

**DLA Land and Maritime - VQ**  
**Supplemental Information Sheet for Electronic QML-38534**

Date: 7/11/2011

**Specification Details:**

Specification: MIL-PRF-38534  
Title: Hybrid Microcircuits  
Federal Supply Class (FSC): 5962  
Conventional: No  
Specification contains quality assurance program: Yes  
MIL-STD-790 Established Reliability & High Reliability: No  
MIL-STD-690 Failure Rate Sampling Plans & Procedures: No  
Weibull Graded: No  
Specification contains space level reliability requirements: Yes  
Specification allows test optimization: Yes

**Contact Information:**

Office of Primary Involvement: Hybrid Devices Branch, DLA Land and Maritime - VQH  
Primary Qualifying Activity Contact: 614-692-0596, e-mail: vqh.rb@dla.mil  
Secondary Qualifying Activity Contact: 614-692-0582, e-mail: vqh.esr@dla.mil

**Notes:**

In order for a manufacturer to have test data considered for qualification, the manufacturer must perform all required qualification tests; produce the qualification sample with DLA Land and Maritime-VQ certified materials and manufacturing construction techniques; and comply with the requirements specified in MIL-PRF-38534.

Custom hybrid microcircuit materials and manufacturing construction techniques in this listing applies only to products produced on the MIL-PRF-38534 certified line(s) at the plant(s) specified in this listing.

Custom hybrid microcircuits manufactured, assembled, and tested in accordance with MIL-PRF-38534 shall bear the "certification mark" for SMD controlled hybrid Microcircuits, or the "compliant hybrid" certification mark for non-SMD controlled hybrid microcircuits as follows:

SMD product, for all classes, shall have the certification mark "QML" or "Q" for small devices.  
Non-SMD product dated after MIL-PRF-38534D, for Class K shall have the certification mark "CK."  
Non-SMD product dated after MIL-PRF-38534D, for Class H shall have the certification mark "CH."  
Non-SMD product dated after MIL-PRF-38534D, for Class G shall have the certification mark "CG."  
Non-SMD product dated after MIL-PRF-38534D, for Class E shall have the certification mark "CE."  
Non-SMD product dated after MIL-PRF-38534D, for Class D shall have the certification mark "CD."  
Non-SMD dated prior to MIL-PRF-38534D, for all classes, shall have the certification mark "CH" or "C" for small devices.

These certification marks or the abbreviations "Q" or "C" shall not be used on product that does not meet all requirements of MIL-PRF-38534 except as allowed in 3.7.5 of MIL-PRF-38534.

Products manufactured, assembled, and tested for Class K, Class H, Class G, Class E, or Class D, with all the provisions of MIL-PRF-38534, and with DLA Land and Maritime-VQ qualified materials and manufacturing construction techniques, can be represented as being compliant to the appropriate product assurance levels as listed herein. The information contained in this listing reflects the general material and manufacturing techniques of the particular test sample(s). In order to protect the manufacturers' proprietary processes and materials, only the generic process and material are listed. The user must contact the manufacturer for any detail information on specific materials (i.e., such as epoxy, getter, solder-type), or process details. Processes and materials, not listed, may be considered qualified by similarity to those demonstrated for the qualification (e.g., different wire, package, or die sizes). See Appendix E of MIL-PRF-38534, Class I, major changes paragraph, for a baseline of qualification limits.

Any product represented as being compliant to MIL-PRF-38534 must be built using qualified processes and materials. The user shall be responsible for determining if the qualification baseline for a given class level is adequate to demonstrate capability for the intended application.

To obtain MIL-PRF-38534 qualified hybrid microcircuits, the user should specify in the procurement document that the product be manufactured to MIL-PRF-38534, and be comprised of materials and manufacturing construction techniques listed herein. Acquisition requirements are contained in paragraph 6.2 of MIL-PRF-38534. Microcircuit devices represented as being built, tested and shipped under the QML provision of MIL-PRF-38534 must be built using qualified manufacturing materials and construction in this listing.

Contractor acquiring activities, military program offices, and other government representatives can determine if hybrid microcircuits meet the requirements of MIL-PRF-38534 by:

- a. For SMD controlled product: Product listed in the product eligibility section herein and marked with "QML" or "Q".
- b. For non-SMD controlled Product: The part will not be listed herein. However, the part will be marked with "C" plus the Class Level designator".

**WARNING!** If products were not purchased to, and identified as MIL-PRF-38534 compliant, do not assume they have been manufactured on the DLA Land and Maritime-VQ certified line, with qualified materials and processes, or that all other MIL-PRF-38534 requirements were performed. To determine whether new SMD controlled products are in accordance with MIL-PRF-38534, or to verify any new process/material qualifications, you may call the qualifying activity (DLA Land and Maritime-VQ).

DLA Land and Maritime-VQ ISO Registrations are also listed herein. However, QML listed manufacturers may have ISO registrations from other registrars.

1/ This listing can be expanded provided appropriate qualification testing is performed and passed. Therefore the manufacturer may accept an order for compliant product not covered by his listing, but shall not ship the compliant product until the testing has been successfully completed.

2/ Package seal perimeter is listed by largest perimeter successfully tested in inches.

3/ Package lead counts are listed by maximum number of leads covered by qualification.

4/ Caution. Do not use this number for item acquisition. Item acquired to this number may not satisfy the performance requirements of the listed SMD.

5/ Inactive for new design, no longer available from manufacturer.

6/ Class E devices are devices which meet all of the requirements of one of the other classes (K, H, or G), with some exceptions taken. Therefore any manufacturer qualified to G, H or K is eligible to produce and mark product as compliant to class E.

**Part Configuration:**

| Standardized Microcircuit Drawing (SMD) |            |               |       |              |             |
|---|------------|---------------|-------|--------------|-------------|
| Federal Stock Class                     | SMD Number | Device Number | Class | Package Type | Lead Finish |
| 5962                                    | 99616      | 01            | H     | X            | A           |

**Process/Material Listings:**

**Sourcing and Qualification Unit, Hybrid Devices Team, DSCC-VQH**

**DLA Land and Maritime - VQ**

**MIL-PRF-38534 QML Program Status**

**Aeroflex Microelectronic Solutions (CAGE Code: 88379)**

35 South Service Road, Plainview, NY 11803-4193, US

**Company Contact:** Mr. Joe Saber, Phone: 516-752-6404, Fax: 516-694-6715, E-mail: Joseph.Saber@aeroflex.com

**DSCC Contact:** Ms. Jacqueline Cunningham, Phone: 614-692-0584, Fax: 614-692-6942, E-mail: vqh.jc@dla.mil

**Quality Management (QM) Program:** Non-TRB

**Periodic Inspection System:** Options 1 and 2

**Approved ISO 9000 System:** No

**Technologies:** Linear, Analog, Digital, Power, Voltage Regulator

**Aeroflex Microelectronic Solutions**

**Qualification Letters:** EQ(EQC-90-616), EQ(EQC-91-896), EQ(EQC-92-001), EQ(EQC-93-019), EQ(EQC-94-032), ELS(ELSH-94-0342), ELS(ELSH-95-0042), ELS(ELSH-95-0395), ELS(ELSH-96-0130), ELS(ELSH-96-176), VQ(VQH-98-0001), VQ(VQH-99-0028), VQ(VQH-01-0070), VQ(VQH-01-0081), VQH-02-000431, VQ(VQH-02-001027), VQ(VQH-04-5086), VQ(VQH-04-005472), VQ(VQH-04-006026), VQ(VQH-04-006367), VQ(VQH-05-008607), VQ(VQH-05-009404), VQ(VQH-06-010542), VQ(VQH-07-012806)

**Class Level Information: See Note 6/**

Class K, Class H, Class E

**Substrate Fabrication Information: See Note 1/**

**Substrate Fabrication Flows:** QAP21-225, QAP21-240

**Substrate Fabrication:** Thick Film on Alumina, 6 Conductor Level(s), Resistors; Thick Film on Beryllia, 1 Conductor Level(s)

**Assembly Information: See Note 1/**

**Assembly Flows:** QAP21-241, QAP21-337

**Substrate Attach:** Solder, Nonconductive Epoxy, Conductive Epoxy

**Element Attach:** Conductive Epoxy, Nonconductive Epoxy, Solder, Eutectic

**Add-on Elements:** Unpackaged Die, Chip Capacitors, Tantalum Capacitors, Tabs, Chip Resistors, Daughter Board, Transformers, Optocoupler Assembly

**Wire Bonding:** Gold, Aluminum

**Package Information: See Notes 1/ 2/ 3/**

**Package Information:** Metal Package, Axial Leads, Seam Weld, 7.94 Inch Seal Perimeter, 90 Leads, Gold Lead Finish; Ceramic Package, Dual-in-line, Seam Weld, 3.72 Inch Seal Perimeter, 24 Leads, Gold Lead Finish; Metal Package, Peripheral Leads, Seam Weld, 7.01 Inch Seal Perimeter, 88 Leads, Gold/Solder Lead Finish; Metal Package, Platform, Projection Weld, 3.93 Inch Seal Perimeter, 24 Leads, Gold Lead Finish; Ceramic Co-fire Package, Axial Leads, Seam Weld, 7.66 Inch Seal Perimeter, 90 Leads, Gold Lead Finish; Metal Package, Flatpack, Seam Weld, 5.00 Inch Seal Perimeter, 96 Leads, Gold Lead Finish

Sourcing and Qualification Unit, Hybrid Devices Team, DSCC-VQH

DLA Land and Maritime - VQ

MIL-PRF-38534 QML Program Status

***Aeroflex Microelectronic Solutions (CAGE Code: 88379)***

35 South Service Road, Plainview, NY 11803-4193, US

**Company Contact:** Mr. Joe Saber, Phone: 516-752-6404, Fax: 516-694-6715, E-mail: Joseph.Saber@aeroflex.com

**DSCC Contact:** Ms. Jacqueline Cunningham, Phone: 614-692-0584, Fax: 614-692-6942, E-mail: vqh.jc@dla.mil

**Quality Management (QM) Program:** Non-TRB

**Periodic Inspection System:** Options 1 and 2

**Approved ISO 9000 System:** No

**Technologies:** Linear, Analog, Digital, Power, Voltage Regulator

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**Cirtek Electronics Corp. Philippines Plant**

**Qualification Letters:** VQ(VQH-03-003903), VQ(VQH-03-004625)

**Class Level Information:** See Note 6/

Class H

**Substrate Fabrication Information:** See Note 1/

**Substrate Fabrication Flows:** N/A

**Substrate Fabrication:** N/A

**Assembly Information:** See Note 1/

**Assembly Flows:** QAP21-241

**Substrate Attach:** Nonconductive Epoxy

**Element Attach:** Conductive Epoxy, Eutectic

**Add-on Elements:** Unpackaged Die, Chip Capacitors, Tabs, Chip Resistors

**Wire Bonding:** Gold

**Package Information:** See Notes 1/ 2/ 3/

**Package Information:** N/A

Sourcing and Qualification Unit, Hybrid Devices Team, DSCC-VQH

DLA Land and Maritime - VQ

MIL-PRF-38534 QML Program Status

**Analog Devices Incorporated (CAGE Code: 34031)**

Assembled Products Division, 7910 Triad Center Drive, Greensboro, NC 27409-9605, US

**Company Contact:** Ms. Elaine Trotter, Phone: 336-605-4234, Fax: 336-605-4347, E-mail: elaine.trotter@analog.com

**DSCC Contact:** Mr. Joseph Buben II, Phone: 614-692-0592, Fax: 614-692-6942, E-mail: vqh.jbu@dla.mil

**Quality Management (QM) Program:** TRB

**Periodic Inspection System:** Option 1

**Approved ISO 9000 System:** No

**Technologies:** AD/DA Converters, Buffer, Op-Amp, Track and Hold, Voltage Reference, Signal Processor, Data Acquisition Systems, DC/DC Converters

**Subcontractor: C-MAC Microcircuits (Cage: U4388)**

**Qualification Letters:** VQ(VQH-04-006510), VQ(VQH-04-007022), VQ(VQH-04-007023), VQ(VQH-05-008727), VQ(VQH-06-010144), VQ(VQH-09-017847)

**Class Level Information:** See Note 6/

Class H, Class E

**Substrate Fabrication Information:** See Note 1/

**Substrate Fabrication Flows:** N/A

**Substrate Fabrication:** Purchased Ceramic Co-fire; Thick Film, 4 Conductor Level(s)

**Assembly Information:** See Note 1/

**Assembly Flows:** FCES 6301:15

**Substrate Attach:** Nonconductive Epoxy

**Element Attach:** Conductive Epoxy, Nonconductive Epoxy

**Add-on Elements:** Unpackaged Die, Chip Capacitors, Chip Resistors, Ceramic Tabs, Transformers

**Wire Bonding:** Gold

**Package Information:** See Notes 1/ 2/ 3/

**Package Information:** Ceramic Co-fire Package, Dual-in-line, Seam Weld, 2.53 Inch Seal Perimeter, 24 Leads, Gold Lead Finish; Ceramic Package, Dual-in-line, Seam Weld, 5.38 Inch Seal Perimeter, 32 Leads, Gold Lead Finish; Ceramic Package, Quad Flat Pack, Seam Weld, 3.48 Inch Seal Perimeter, 68 Leads, Gold Lead Finish

Sourcing and Qualification Unit, Hybrid Devices Team, DSCC-VQH

DLA Land and Maritime - VQ

MIL-PRF-38534 QML Program Status

**Avago Technologies (CAGE Code: 50434)**

No. 1 Yishun Avenue 7, Singapore, 768923

**Company Contact:** Ms. Shelley Sinclair, Phone: 408-435-4120, Fax: 408-435-4271, E-mail: shelley.sinclair@avagotech.com

**DSCC Contact:** Mr. Dan Miller, Phone: 614-692-2908, Fax: 614-692-6942, E-mail: vqh.dm@dla.mil

**Quality Management (QM) Program:** Non-TRB

**Periodic Inspection System:** Options 1 and 2

**Approved ISO 9000 System:** No

**Technologies:** Optocoupler

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**Qualification Letters:** EQ(EQM-87-2594), EQ(EQM-88-1265), EQ(EQC-90-0754), EQ(EQC-93-271), EQ(EQC-93-591), ELS(ELSH-95-271), VQ(VQH-97-047), VQ(VQH-00-0109), VQ(VQH-01-0164), VQ(VQH-02-000432), VQ(VQH-02-001278), VQ(VQH-04-006618), VQ(VQH-04-006839)

**Class Level Information: See Note 6/**

Class K, Class H, Class E

**Substrate Fabrication Information: See Note 1/**

**Substrate Fabrication Flows:** N/A

**Substrate Fabrication:** Purchased Thick Film

**Assembly Information: See Note 1/**

**Assembly Flows:** ICPI-9001-3

**Substrate Attach:** Eutectic, Solder, Silver Glass

**Element Attach:** Eutectic, Silver Glass

**Add-on Elements:** Unpackaged Die

**Wire Bonding:** Gold, Aluminum

**Package Information: See Notes 1/ 2/ 3/**

**Package Information:** Ceramic Package, Dual-in-line, Solder Seal, 1.28 Inch Seal Perimeter, 16 Leads, Gold/Solder Lead Finish; Ceramic Package, Leadless Chip Carrier, Solder Seal, .92 Inch Seal Perimeter, 20 Leads, Solder Lead Finish; Ceramic Package, Peripheral Leads, Solder Seal, 1.32 Inch Seal Perimeter, 16 Leads, Gold Lead Finish

Sourcing and Qualification Unit, Hybrid Devices Team, DSCC-VQH

DLA Land and Maritime - VQ

MIL-PRF-38534 QML Program Status

**BAE Systems Electronic & Integrated Solutions (CAGE Code: 63760)**

2000 Taylor Street, Fort Wayne, IN 46802-4605, US

**Company Contact:** Ms. Julie Kukelhan, Phone: 260-434-5297, Fax: 260-434-5296, E-mail: julie.kukelhan@baesystems.com

**DSCC Contact:** Ms. Jonnie Schneider, Phone: 614-692-0585, Fax: 614-692-6942, E-mail: vqh.jms@dla.mil

**Quality Management (QM) Program:** TRB

**Periodic Inspection System:** Option 1

**Approved ISO 9000 System:** No

**Technologies:** Linear, High Power

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**Qualification Letters:** VQ(VQH-00-0009), VQ(VQH-00-0120)

**Class Level Information:** See Note 6/

Class H, Class E

**Substrate Fabrication Information:** See Note 1/

**Substrate Fabrication Flows:** N/A

**Substrate Fabrication:** Purchased Thick Film on Beryllia, 1 Conductor Level(s), Resistors; Purchased Thick Film on Ceramic Co-fire, 1 Conductor Level(s), Resistors

**Assembly Information:** See Note 1/

**Assembly Flows:** QCWI-ES-610

**Substrate Attach:** Solder

**Element Attach:** Conductive Epoxy, Nonconductive Epoxy, Solder

**Add-on Elements:** Unpackaged Die, Chip Capacitors, Chip Resistors, Tabs

**Wire Bonding:** Gold, Aluminum

**Package Information:** See Notes 1/ 2/ 3/

**Package Information:** Metal Package, Flatpack, Seam Weld, 5.92 Inch Seal Perimeter, 28 Leads, Gold Lead Finish

Sourcing and Qualification Unit, Hybrid Devices Team, DSCC-VQH

DLA Land and Maritime - VQ

MIL-PRF-38534 QML Program Status

**BI Technologies Corporation (CAGE Code: 73138)**

4200 Bonita Place, Fullerton, CA 92835-1053, US

**Company Contact:** Mr. Raul Suarez, Phone: 714-447-2394, Fax: 714-447-2394, E-mail: raulsuarez@bitechnologies.com

**DSCC Contact:** Mr. Christopher Hancock, Phone: 614-692-1309, Fax: 614-692-6942, E-mail: vqh.ch@dla.mil

**Quality Management (QM) Program:** Non-TRB

**Periodic Inspection System:** Options 1 and 2

**Approved ISO 9000 System:** No

**Technologies:** Voltage Regulator, Data Converters, Analog

**Qualification Letters:** EQ(EQC-89-071), EQ(EQC-91-718), EQ(EQC-92-382), EQ(EQC-92-383), VQH-97-0081, VQ(VQH-00-0095), VQ(VQH-10-020568)

**Class Level Information: See Note 6/**

Class H, Class E

**Substrate Fabrication Information: See Note 1/**

**Substrate Fabrication Flows:** 800-403-2

**Substrate Fabrication:** Thick Film on Alumina, 3 Conductor Level(s), Resistors

**Assembly Information: See Note 1/**

**Assembly Flows:** 800-403-03

**Substrate Attach:** Nonconductive Epoxy

**Element Attach:** Conductive Epoxy, Nonconductive Epoxy

**Add-on Elements:** Unpackaged Die, Chip Capacitors, Tabs, Chip Resistors

**Wire Bonding:** Gold

**Package Information: See Notes 1/ 2/ 3/**

**Package Information:** Metal Package, Peripheral Leads, Seam Weld, 5.86 Inch Seal Perimeter, 61 Leads, Gold Lead Finish; Ceramic Package, Dual-in-line, Seam Weld, 6.87 Inch Seal Perimeter, 44 Leads, Gold Lead Finish; Ceramic Co-fire Package, Flatpack, Seam Weld, 1.04 Inch Seal Perimeter, 10 Leads, Gold Lead Finish

Sourcing and Qualification Unit, Hybrid Devices Team, DSCC-VQH

DLA Land and Maritime - VQ

MIL-PRF-38534 QML Program Status

**Cirrus Logic - APP Tucson (CAGE Code: 60024)**

5980 North Shannon Road, Tucson, AZ 85741-5230, US

**Company Contact:** Mr. Rick Reed, Phone: 520-690-8695, Fax: 520-888-3329, E-mail: rick.reed@cirrus.com

**DSCC Contact:** Mr. Edward Raybould, Phone: 614-692-0582, Fax: 614-692-6942, E-mail: vqh.esr@dla.mil

**Quality Management (QM) Program:** Non-TRB

**Periodic Inspection System:** Option 1

**Approved ISO 9000 System:** Yes

**Technologies:** Power Op-Amp

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**Qualification Letters:** EQ(EQC-91-347), EQ(EQC-92-410), EQ(EQC-92-416), EQ(EQC-93-028), EQ(EQC-93-595), ELS(ELSH-94-0354), ELS(ELSH-95-0070)

**Class Level Information: See Note 6/**

Class H, Class E

**Substrate Fabrication Information: See Note 1/**

**Substrate Fabrication Flows:** Flow 01

**Substrate Fabrication:** Thick Film on Beryllia, 1 Conductor Level(s), Resistors

**Assembly Information: See Note 1/**

**Assembly Flows:** Flow 10, Flow 99

**Substrate Attach:** Solder

**Element Attach:** Conductive Epoxy, Solder

**Add-on Elements:** Unpackaged Die, Chip Capacitors

**Wire Bonding:** Aluminum

**Package Information: See Notes 1/ 2/ 3/**

**Package Information:** Metal Package, TO can, Projection Weld, 2.67 Inch Seal Perimeter, 8 Leads, Gold/Solder Lead Finish



Sourcing and Qualification Unit, Hybrid Devices Team, DSCC-VQH

DLA Land and Maritime - VQ

MIL-PRF-38534 QML Program Status

**C-MAC MicroTechnology (CAGE Code: U4388)**

South Denes, Great Yarmouth, Norfolk NR30 3PX, England

**Company Contact:** Mr. David Lawn, Phone: 1493-743100, Fax: 1493-858536, E-mail: davidlawn@cmac.com

**DSCC Contact:** Mr. Joseph Buben II, Phone: 614-692-0592, Fax: 614-692-6942, E-mail: vqh.jbu@dla.mil

**Quality Management (QM) Program:** Non-TRB

**Periodic Inspection System:** Option 1

**Approved ISO 9000 System:** No

**Technologies:** 1553 Transceiver, High Voltage Drivers, Power

**Qualification Letters:** EQ(EQC-91-835), EQ(EQC-92-084), EQ(EQC-93-139), ELS(ELSH-96-0054), ELS(ELSH-96-0161), VQ(VQH-98-0227), VQ(VQH-99-0192), VQ(VQH-99-0196), VQ(VQH-04-006510), VQ(VQH-04-007022), VQ(VQH-04-007023), VQ(VQH-05-008727), VQ(VQH-05-008978), VQ(VQH-06-010730), VQ(VQH-06-011795), VQ(VQH-09-017847), VQ(VQH-10-020173), VQ(VQH-10-020296)

**Class Level Information: See Note 6/**

Class K, Class H, Class E

**Substrate Fabrication Information: See Note 1/**

**Substrate Fabrication Flows:** FCES 6301:15

**Substrate Fabrication:** Purchased Ceramic Co-fire; Thick Film on Alumina, 4 Conductor Level(s), Resistors; Purchased Direct Bonded Copper on Beryllia

**Assembly Information: See Note 1/**

**Assembly Flows:** FCES 6301:15

**Substrate Attach:** Conductive Epoxy, Nonconductive Epoxy, Solder

**Element Attach:** Conductive Epoxy, Nonconductive Epoxy, Eutectic

**Add-on Elements:** Unpackaged Die, Chip Capacitors, Chip Resistors, Transformers, Ceramic Tabs

**Wire Bonding:** Gold, Aluminum, Aluminum Ribbon

**Package Information: See Notes 1/ 2/ 3/**

**Package Information:** Metal Package, Axial Leads, Seam Weld, 5.30 Inch Seal Perimeter, 36 Leads, Gold/Solder Lead Finish; Metal Package, Peripheral Leads, Seam Weld, 5.30 Inch Seal Perimeter, 36 Leads, Gold/Solder Lead Finish; Metal Package, Axial Leads, Projection Weld, 4.37 Inch Seal Perimeter, 24 Leads, Gold/Solder Lead Finish; Ceramic Package, Pin Grid Array, Seam Weld, 5.00 Inch Seal Perimeter, 101 Leads, Gold Lead Finish; Metal Package, TO can, Projection Weld, 1.13 Inch Seal Perimeter, 10 Leads, Gold/Solder Lead Finish; Ceramic Co-fire Package, Dual-in-line, Seam Weld, 2.53 Inch Seal Perimeter, 24 Leads, Gold Lead Finish; Ceramic Package, Dual-in-line, Seam Weld, 5.38 Inch Seal Perimeter, 32 Leads, Gold Lead Finish; Ceramic Package, Quad Flat Pack, Seam Weld, 3.48 Inch Seal Perimeter, 68 Leads, Gold Lead Finish

Sourcing and Qualification Unit, Hybrid Devices Team, DSCC-VQH

DLA Land and Maritime - VQ

MIL-PRF-38534 QML Program Status

**CMC Electronics Incorporated (CAGE Code: 90073)**

600 Dr. Frederik Philips Boulevard, Ville Saint Laurent, Quebec, H4M 2S9, Canada

**Company Contact:** Mr. Jean-Marc Perreault, Phone: 514-748-3000 x4871, Fax: 514-748-3100, E-mail: Jean-Marc.Perreault@cmcelectronics.ca

**DSCC Contact:** Mr. Christopher Hancock, Phone: 614-692-1309, Fax: 614-692-6942, E-mail: vqh.ch@dla.mil

**Quality Management (QM) Program:** Non-TRB

**Periodic Inspection System:** Options 1 and 2

**Approved ISO 9000 System:** No

**Technologies:** Voltage Regulator

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**Qualification Letters:** EQ(EQC-91-720), EQ(EQC-92-427), VQ(VQH-98-0133), VQ(VQH-04-005582)

**Class Level Information: See Note 6/**

Class H, Class E

**Substrate Fabrication Information: See Note 1/**

**Substrate Fabrication Flows:** 411-146425-000

**Substrate Fabrication:** Thick Film on Alumina, 7 Conductor Level(s), Resistors

**Assembly Information: See Note 1/**

**Assembly Flows:** 411-146426-000

**Substrate Attach:** Nonconductive Epoxy, Conductive Epoxy

**Element Attach:** Conductive Epoxy, Nonconductive Epoxy, Eutectic

**Add-on Elements:** Unpackaged Die, Chip Capacitors, Chip Resistors

**Wire Bonding:** Gold

**Package Information: See Notes 1/ 2/ 3/**

**Package Information:** Metal Package, Axial Leads, Seam Weld, 3.61 Inch Seal Perimeter, 16 Leads, Gold Lead Finish; Metal Package, Bathtub, Seam Weld, 4.30 Inch Seal Perimeter, 24 Leads, Gold Lead Finish; Metal Package, Flatpack, Seam Weld, 1.56 Inch Seal Perimeter, 44 Leads, Gold Lead Finish

Sourcing and Qualification Unit, Hybrid Devices Team, DSCC-VQH

DLA Land and Maritime - VQ

MIL-PRF-38534 QML Program Status

**Cobham Sensor Systems (CAGE Code: 65628)**

9404 Chesapeake Drive, San Diego, CA 92123-1388, US

**Company Contact:** Mr. Chuck Bagwell, Phone: 858-505-3668, Fax: 858-560-0291, E-mail: chuck.bagwell@cobhamdes.com

**DSCC Contact:** Mr. Richard Barker, Phone: 614-692-0596, Fax: 614-692-6942, E-mail: vqh.rb@dla.mil

**Quality Management (QM) Program:** TRB

**Periodic Inspection System:** Option 1

**Approved ISO 9000 System:** No

**Technologies:** Microwave Amplifier, Microwave Filter, Microwave Custom (IMAs)

**Qualification Letters:** ELS(ELSH-94-199), VQ(VQH-96-226), VQ(VQH-96-227), VQ(VQH-97-0180), VQ(VQH-97-0181), VQ(VQH-00-0104)

**Class Level Information: See Note 6/**

Class H, Class E

**Substrate Fabrication Information: See Note 1/**

**Substrate Fabrication Flows:** N/A

**Substrate Fabrication:** Purchased Thin Film; Purchased Duriod; Purchased Polyimide/PWB Copper

**Assembly Information: See Note 1/**

**Assembly Flows:** 001775

**Substrate Attach:** Conductive Epoxy, Eutectic, Solder

**Element Attach:** Conductive Epoxy, Nonconductive Epoxy, Solder

**Add-on Elements:** Unpackaged Die, Chip Capacitors, Chip Resistors, Toroids, Coils, Thermcon, Inductors, Attenuators, IC Package

**Wire Bonding:** Gold, Copper, Ribbon

**Package Information: See Notes 1/ 2/ 3/**

**Package Information:** Metal Package, Peripheral Leads, Seam Weld, 4.00 Inch Seal Perimeter, 16 Leads, Gold Lead Finish; Aluminum/Stainless Steel Package, DC/Microwave Leads, Laser Weld, 12.50 Inch Seal Perimeter, 6 Leads; Aluminum/Stainless Steel Package, DC/Microwave Leads (Dual-Sided, Multi-Cavity), Laser Weld, 24.00 Inch Seal Perimeter, 4 Leads

Sourcing and Qualification Unit, Hybrid Devices Team, DSCC-VQH

DLA Land and Maritime - VQ

MIL-PRF-38534 QML Program Status

**Crane Electronics Corporation (CAGE Code: 50821)**

5 South 6th Road Box 26-143, KEPZ, Kaohsiung, Taiwan, R.O.C 806

**Company Contact:** Mr. Stacy Irwin, Phone: 425-895-5038, Fax: 425-869-7402, E-mail: stacy.irwin@crane-eg.com

**DSCC Contact:** Mr. Richard Barker, Phone: 614-692-0596, Fax: 614-692-6942, E-mail: vqh.rb@dla.mil

**Quality Management (QM) Program:** Non-TRB

**Periodic Inspection System:** Option 1

**Approved ISO 9000 System:** No

**Technologies:** DC-DC Converter, EMI Filters

**Qualification Letters:** VQ(VQH-97-0266), VQ(VQH-99-0070), VQ(VQH-99-0134), VQ(VQH-99-0175), VQ(VQH-99-0200), VQ(VQH-01-0017), VQ(VQH-01-0060), VQ(VQH-02-001187), VQ(VQH-03-004414), VQ(VQH-04-006128), VQ(VQH-04-006855), VQ(VQH-05-008873), VQ(VQH-06-010206), VQ(VQH-06-011675), VQ(VQH-07-012130), VQ(VQH-07-012468), VQ(VQH-10-019428), VQ(VQH-10-019429), VQ(VQH-10-020020), VQ(VQH-11-021213), VQ(VQH-11-021614), VQ(VQH-11-021809), VQ(VQH-11-021810), VQ(VQH-11-021879), VQ(VQH-11-021880)

**Class Level Information:** See Note 6/

Class H, Class E

**Substrate Fabrication Information:** See Note 1/

**Substrate Fabrication Flows:** QA-039

**Substrate Fabrication:** Thick Film on Alumina, 3 Conductor Level(s), Resistors; Thick Film on Beryllia, 3 Conductor Level(s), Resistors

**Assembly Information:** See Note 1/

**Assembly Flows:** QA-039

**Substrate Attach:** Solder, Nonconductive RTV, Conductive Epoxy

**Element Attach:** Conductive Epoxy, Nonconductive Epoxy, Solder, Eutectic

**Add-on Elements:** Unpackaged Die, Chip Capacitors, Tantalum Capacitors, Tabs, Chip Resistors, Inductors, Toroids, Daughter Board

**Wire Bonding:** Gold, Aluminum, Copper

**Package Information:** See Notes 1/ 2/ 3/

**Package Information:** Metal Package, Axial Leads, Projection Weld, 5.14 Inch Seal Perimeter, 8 Leads, Gold Lead Finish; Metal Package, Peripheral Leads, Seam Weld, 8.00 Inch Seal Perimeter, 20 Leads, Gold Lead Finish

Sourcing and Qualification Unit, Hybrid Devices Team, DSCC-VQH

DLA Land and Maritime - VQ

MIL-PRF-38534 QML Program Status

**Crane Electronics, Inc. (CAGE Code: 50821)**

10301 Willows Road, Redmond, WA 98052, US

**Company Contact:** Mr. Stacy Irwin, Phone: 425-895-5038, Fax: 425-869-7402, E-mail: stacy.irwin@crane-eg.com

**DSCC Contact:** Mr. Richard Barker, Phone: 614-692-0596, Fax: 614-692-6942, E-mail: vqh.rb@dla.mil

**Quality Management (QM) Program:** Non-TRB

**Periodic Inspection System:** Options 1 and 2

**Approved ISO 9000 System:** No

**Technologies:** Linear Amplifier, Signal Processor, Data Converters, DC/DC Converters, Analog, Digital, EMI Filters

**Qualification Letters:** EQ(EQM-87-2838), EQ(EQM-89-0439), EQ(EQC-92-174), EQ(EQC-92-300), EQ(EQC-93-031), EQ(EQC-93-056), EQ(EQC-93-196), EQ(EQC-93-221), EQ(EQC-93-280), EQ(EQC-93-550), EQC-93-624, EQ(EQM-94-043), EQ(EQM-94-0111), ELS(ELSH-94-0297), ELS(ELSH-94-0336), ELS(ELSH-94-0364), ELS(ELSH-95-0036), ELS(ELSH-95-0375), ELS(ELSH-96-0095), ELS(ELSH-96-0139), VQ(VQH-96-0214), VQ(VQH-98-0253), VQ(VQH-99-0013), VQ(VQH-00-0131), VQ(VQH-00-0188), VQ(VQH-03-003336), VQ(VQH-03-003760), VQ(VQH-04-006128), VQ(VQH-05-007236 AMENDED), VQ(VQH-05-008263), VQ(VQH-05-008516), VQ(VQH-05-008820), VQ(VQH-07-012129), VQ(VQH-07-012467), VQ(VQH-07-013397)

**Class Level Information: See Note 6/**

Class K, Class H, Class E

**Substrate Fabrication Information: See Note 1/**

**Substrate Fabrication Flows:** QA-039

**Substrate Fabrication:** Thick Film on Alumina, 3 Conductor Level(s), Resistors; Thick Film on Beryllia, 3 Conductor Level(s), Resistors; Thick Film on Beryllia, 1 Conductor Level(s); Purchased Direct Bonded Copper

**Assembly Information: See Note 1/**

**Assembly Flows:** QA-039

**Substrate Attach:** Solder, Nonconductive Epoxy, Conductive Epoxy

**Element Attach:** Conductive Epoxy, Nonconductive Epoxy, Solder, Eutectic, RTV

**Add-on Elements:** Unpackaged Die, Chip Capacitors, Tantalum Capacitors, Tabs, Chip Resistors, Inductors, Toroids, Daughter Board

**Wire Bonding:** Gold, Aluminum, Copper

**Package Information: See Notes 1/ 2/ 3/**

**Package Information:** Metal Package, Axial Leads, Projection Weld, 4.26 Inch Seal Perimeter, 8 Leads, Gold/Solder Lead Finish, Getter Qualified; Metal Package, Peripheral Leads, Seam Weld, 4.00 Inch Seal Perimeter, 32 Leads, Gold/Solder Lead Finish, Getter Qualified; Metal Package, Peripheral Leads, Seam Weld, 8.75 Inch Seal Perimeter, 12 Leads, Gold/Solder Lead Finish, Getter Qualified; Metal Package, Axial Leads, Seam Weld, 6.40 Inch Seal Perimeter, 5 Leads, Gold Lead Finish, Getter Qualified; Metal Package, Axial Leads, Seam Weld, 6.00 Inch Seal Perimeter, 38 Leads, Gold/Solder Lead Finish, Getter Qualified

**Sourcing and Qualification Unit, Hybrid Devices Team, DSCC-VQH**

**DLA Land and Maritime - VQ**

**MIL-PRF-38534 QML Program Status**

**Data Device Corporation (CAGE Code: 19645)**

105 Wilbur Place, Bohemia, NY 11716-2482, US

**Company Contact:** Mr. Ronald Kanaby, Phone: 631-567-5600 x7316, Fax: 631-567-7358, E-mail: kanabyr@ddc-web.com

**DSCC Contact:** Mr. Joseph Buben II, Phone: 614-692-0592, Fax: 614-692-6942, E-mail: vqh.jbu@dla.mil

**Quality Management (QM) Program:** TRB

**Periodic Inspection System:** Options 1 and 2

**Approved ISO 9000 System:** No

**Technologies:** 1553 Bus, Data Converters, Power

**Qualification Letters:** EQ(EQC-90-220), EQ(EQC-90-657), EQ(EQC-91-104), EQ(EQC-91-306), EQ(EQC-91-308), EQ(EQC-91-386), EQ(EQC-91-606), EQ(EQC-91-667), EQ(EQC-93-055), EQ(EQC-93-199), EQ(EQC-93-599), EQ(EQC-93-625), ELS(ELSH-94-0327), ELS(ELSH-94-0392), ELS(ELSH-94-0399), ELS(ELSH-95-0140), ELS(ELSH-95-0266), VQ(VQH-96-0203), VQ(VQH-98-0101), VQ(VQH-99-0033), VQ(VQH-99-0129), VQ(VQH-99-0222), VQ(VQH-02-0969), VQ(VQH-03-3982), VQ(VQH-04-5821), VQ(VQH-04-6876), VQ(VQH-06-010110), VQ(VQH-07-013396), VQ(VQH-10-019748)

**Class Level Information: See Note 6/**

Class K, Class H, Class D, Class G, Class E

**Substrate Fabrication Information: See Note 1/**

**Substrate Fabrication Flows:** 41638, 41639, 45552

**Substrate Fabrication:** Thick Film on Alumina, 4 Conductor Level(s), Resistors; Thin Film on Alumina, 1 Conductor Level(s); Thick Film on Beryllia, 1 Conductor Level(s), Resistors

**Assembly Information: See Note 1/**

**Assembly Flows:** 41634, 41635, 45552

**Substrate Attach:** Nonconductive Epoxy, Solder, Conductive Epoxy

**Element Attach:** Conductive Epoxy, Nonconductive Epoxy, Solder, Eutectic

**Add-on Elements:** Unpackaged Die, Chip Capacitors, Tabs, Transformers, Chip Resistors, Tantalum Capacitors, Ceramic Capacitors

**Wire Bonding:** Gold, Aluminum, Copper/Tin Solder

**Package Information: See Notes 1/ 2/ 3/**

**Package Information:** Metal Package, Peripheral Leads, Seam Weld, 8.80 Inch Seal Perimeter, 16 Leads, Gold Lead Finish, Getter Qualified; Metal Package, Axial Leads, Seam Weld, 10.26 Inch Seal Perimeter, 94 Leads, Gold Lead Finish, Getter Qualified; Metal Package, Platform, Projection Weld, 5.38 Inch Seal Perimeter, 32 Leads, Gold Lead Finish, Getter Qualified; Metal Package, Peripheral Leads, Seam Weld, 7.58 Inch Seal Perimeter, 82 Leads, Gold Lead Finish, Getter Qualified; Ceramic Package, Axial Leads, Seam Weld, 7.34 Inch Seal Perimeter, 78 Leads, Gold Lead Finish, Getter Qualified; Ceramic Package, Peripheral Leads, Seam Weld, 7.34 Inch Seal Perimeter, 78 Leads, Gold Lead Finish, Getter Qualified; Ceramic Co-fire Package, Axial Leads, Seam Weld, 5.80 Inch Seal Perimeter, 70 Leads, Gold Lead Finish, Getter Qualified; Ceramic Co-fire Package, Peripheral Leads, Seam Weld, 5.80 Inch Seal Perimeter, 70 Leads, Gold Lead Finish, Getter Qualified; Ceramic Co-fire Package, Peripheral Leads, Seam Weld, 4.00 Inch Seal Perimeter, 81 Leads, Gold Lead Finish, Getter Qualified; Ceramic Co-fire Package, Axial Leads, Seam Weld, 4.00 Inch Seal Perimeter, 81 Leads, Gold Lead Finish, Getter Qualified; Ceramic Co-fire Package, J-Leads, Solder Seal, 2.12 Inch Seal Perimeter, 40 Leads, Gold Lead Finish, Getter Qualified

Sourcing and Qualification Unit, Hybrid Devices Team, DSCC-VQH

DLA Land and Maritime - VQ

MIL-PRF-38534 QML Program Status

**EADS Astrium Limited (CAGE Code: U6924)**

Astrium Satellites, Anchorage Road, Portsmouth, Hampshire, PO35PU, UK

**Company Contact:** Mr. David Brewster, Phone: 44(0) 239270 4633, Fax: 44(0) 239270 8640, E-mail: david.brewster@astrium.eads.net

**DSCC Contact:** Mr. Joseph Buben II, Phone: 614-692-0592, Fax: 614-692-6942, E-mail: vqh.jbu@dla.mil

**Quality Management (QM) Program:** TRB

**Periodic Inspection System:** Options 1 and 2

**Approved ISO 9000 System:** No

**Technologies:** Modular Microwave Hybrid Technology

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**Produces Class E product based on Class K listing**

**Qualification Letters:** VQ(VQH-09-016808)

**Class Level Information:** See Note 6/

Class K, Class E

**Substrate Fabrication Information:** See Note 1/

**Substrate Fabrication Flows:** N/A

**Substrate Fabrication:** N/A

**Assembly Information:** See Note 1/

**Assembly Flows:** MCD-DG0016373-ASTR

**Substrate Attach:** N/A

**Element Attach:** Eutectic, Solder

**Add-on Elements:** Unpackaged Die, Molytabs

**Wire Bonding:** Gold

**Package Information:** See Notes 1/ 2/ 3/

**Package Information:** Ceramic Package, Leadless, Seam Weld, 2.43 Inch Seal Perimeter

Sourcing and Qualification Unit, Hybrid Devices Team, DSCC-VQH

DLA Land and Maritime - VQ

MIL-PRF-38534 QML Program Status

**International Rectifier Aerospace & Defense (CA) (CAGE Code: 52467)**

2520 Junction Avenue, San Jose, CA 95134-1902, US

**Company Contact:** Mr. Granville 'Bo' Rains, Phone: 408-434-5086, Fax: 408-434-5220, E-mail: grains1@irf.com

**DSCC Contact:** Ms. Jonnie Schneider, Phone: 614-692-0585, Fax: 614-692-6942, E-mail: vqh.jms@dla.mil

**Quality Management (QM) Program:** Non-TRB

**Periodic Inspection System:** Options 1 and 2

**Approved ISO 9000 System:** No

**Technologies:** DC/DC Converters

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**Advanced Semiconductor Engrg Inc, Nantou Branch**

**Qualification Letters:** VQ(VQH-02-1624), VQ(VQH-05-009379)

**Class Level Information:** See Note 6/

Class H, Class E

**Substrate Fabrication Information:** See Note 1/

**Substrate Fabrication Flows:** N/A

**Substrate Fabrication:** N/A

**Assembly Information:** See Note 1/

**Assembly Flows:** 8002-0044

**Substrate Attach:** Conductive Epoxy, Nonconductive Epoxy, Solder

**Element Attach:** Conductive Epoxy, Nonconductive Epoxy, Solder

**Add-on Elements:** Unpackaged Die, Chip Capacitors, Tantalum Capacitors, Tabs, Chip Resistors, Transformers

**Wire Bonding:** Gold, Aluminum, Copper

**Package Information:** See Notes 1/ 2/ 3/

**Package Information:** Metal Package, Axial Leads, Seam Weld, 6.58 Inch Seal Perimeter, 10 Leads, Gold/Solder Lead Finish

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**Santa Clara Facility**

**Qualification Letters:** EQ(EQC-89-065), EQ(EQC-90-652), EQ(EQC-92-103), EQ(EQC-93-204), EQ(EQC-93-403), EQ(EQC-93-553), EQ(EQC-93-658), ELS(ELSH-94-0173), ELS(ELSH-94-0211), ELS(ELSH-94-0212), ELS(ELSH-94-0272), ELS(ELSH-94-0482), ELS(ELSH-94-0483), VQ(VQH-98-0100), VQ(VQH-98-0231), VQ(VQH-03-003517), VQ(VQH-05-9326), VQ(VQH-06-011051), VQ(VQH-07-013935), VQ(VQH-08-015552)

**Class Level Information:** See Note 6/

Class K, Class H, Class E

**Substrate Fabrication Information:** See Note 1/

**Substrate Fabrication Flows:** 8002-0044

**Substrate Fabrication:** Thick Film on Alumina, 2 Conductor Level(s), Resistors; Thick Film on Beryllia, 4 Conductor Level(s), Resistors; Purchased Direct Bonded Copper

**Assembly Information:** See Note 1/

**Assembly Flows:** 8002-0044

**Substrate Attach:** Conductive Epoxy, Nonconductive Epoxy, Solder

**Element Attach:** Conductive Epoxy, Nonconductive Epoxy, Solder, RTV, Elastomer

**Add-on Elements:** Unpackaged Die, Chip Capacitors, Tantalum Capacitors, Tabs, Chip Resistors, Transformers, Inductors

**Wire Bonding:** Gold, Aluminum, Copper

**Package Information:** See Notes 1/ 2/ 3/

**Package Information:** Ceramic Package, Dual-in-line, Seam Weld, 3.69 Inch Seal Perimeter, 24 Leads, Gold/Solder Lead Finish, Getter Qualified; Metal Package, Axial Leads, Seam Weld, 6.58 Inch Seal Perimeter, 10 Leads, Gold/Solder Lead Finish, Getter Qualified; Metal Package, Peripheral Leads, Seam Weld, 10.10 Inch Seal Perimeter, 58 Leads, Gold/Solder Lead Finish, Getter Qualified; Metal Package, Peripheral Leads, Seam Weld, 8.00 Inch Seal Perimeter, 12 Leads, Gold/Solder Lead Finish, Getter Qualified



Sourcing and Qualification Unit, Hybrid Devices Team, DSCC-VQH

DLA Land and Maritime - VQ

MIL-PRF-38534 QML Program Status

**International Rectifier Aerospace & Defense (MA) (CAGE Code: 69210)**

205 Crawford Street, Leominster, MA 01453-2353, US

**Company Contact:** Ms. Laura Halleck, Phone: 978-514-6445, Fax: 978-537-4246, E-mail: lhallec1@irf.com

**DSCC Contact:** Ms. Jacqueline Cunningham, Phone: 614-692-0584, Fax: 614-692-6942, E-mail: vqh.jc@dla.mil

**Quality Management (QM) Program:** Non-TRB

**Periodic Inspection System:** Options 1 and 2

**Approved ISO 9000 System:** No

**Technologies:** Voltage Regulator, Power

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**Qualification Letters:** EQ(EQC-91-408), EQ(EQC-91-807), EQ(EQC-91-838), EQ(EQM-94-0029), ELS(ELSH-94-0388), VQ(VQH-98-0014), VQ(VQH-01-0034), VQ(VQH-03-003838), VQ(VQH-08-016688), VQ(VQH-10-019960), VQ(VQH-10-020180), VQ(VQH-11-022643)

**Class Level Information: See Note 6/**

Class K, Class H, Class E

**Substrate Fabrication Information: See Note 1/**

**Substrate Fabrication Flows:** D050015G

**Substrate Fabrication:** Thick Film on Alumina, 2 Conductor Level(s), Resistors; Thick Film on Beryllia, 3 Conductor Level(s), Resistors

**Assembly Information: See Note 1/**

**Assembly Flows:** D050015G

**Substrate Attach:** Solder, Nonconductive Epoxy

**Element Attach:** Conductive Epoxy, Nonconductive Epoxy, Solder

**Add-on Elements:** Unpackaged Die, Chip Capacitors, Tabs, Chip Resistors, Encapsulated Hybrid

**Wire Bonding:** Gold, Aluminum

**Package Information: See Notes 1/ 2/ 3/**

**Package Information:** Metal Package, Peripheral Leads, Seam Weld, 2.47 Inch Seal Perimeter, 8 Leads, Solder Lead Finish; Metal Package, Peripheral Leads, Seam Weld, 8.80 Inch Seal Perimeter, 43 Leads, Gold Lead Finish; Metal Package, TO Can, Projection Weld, 2.64 Inch Seal Perimeter, 8 Leads, Nickel Lead Finish; Metal Package, Axial Leads, Seam Weld, 4.08 Inch Seal Perimeter, 24 Leads, Gold Lead Finish, Getter Qualified

Sourcing and Qualification Unit, Hybrid Devices Team, DSCC-VQH

DLA Land and Maritime - VQ

MIL-PRF-38534 QML Program Status

**L-3 Communications Cincinnati Electronics (CAGE Code: 80045)**

7500 Innovation Way, Mason, OH 45040-9699, US

**Company Contact:** Ms. Jennifer Douglas, Phone: 513-573-6156, Fax: 513-573-6290, E-mail: Jennifer.Douglas@L-3Com.com

**DSCC Contact:** Mr. Richard Barker, Phone: 614-692-0596, Fax: 614-692-6942, E-mail: vqh.rb@dla.mil

**Quality Management (QM) Program:** Non-TRB

**Periodic Inspection System:** Option 1

**Approved ISO 9000 System:** No

**Technologies:** Custom, Analog, Amplifier, Linear

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**Qualification Letters:** VQ(VQH-98-0195), VQ(VQH-00-0167)

**Class Level Information:** See Note 6/

Class D

**Substrate Fabrication Information:** See Note 1/

**Substrate Fabrication Flows:** 637140

**Substrate Fabrication:** Thick Film on Alumina, 7 Conductor Level(s)

**Assembly Information:** See Note 1/

**Assembly Flows:** 637143

**Substrate Attach:** Nonconductive Epoxy

**Element Attach:** Conductive Epoxy

**Add-on Elements:** Unpackaged Die, Chip Capacitors, Chip Resistors

**Wire Bonding:** Gold

**Package Information:** See Notes 1/ 2/ 3/

**Package Information:** Metal Package, Radial Leads, Laser Weld, 8.00 Inch Seal Perimeter, 69 Leads, Gold Lead Finish

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**Qualification Letters:** EQ(EQC-93-113), EQC-93-197, ELS(ELSH-94-417), VQ(VQH-01-0034), VQ(VQH-10-020213)

**Class Level Information:** See Note 6/

Class K, Class H, Class E

**Substrate Fabrication Information:** See Note 1/

**Substrate Fabrication Flows:** 637140

**Substrate Fabrication:** Thick Film on Alumina, 6 Conductor Level(s)

**Assembly Information:** See Note 1/

**Assembly Flows:** 637143

**Substrate Attach:** Nonconductive Epoxy

**Element Attach:** Conductive Epoxy, Nonconductive Epoxy

**Add-on Elements:** Unpackaged Die, Chip Capacitors, Chip Resistors

**Wire Bonding:** Gold

**Package Information:** See Notes 1/ 2/ 3/

**Package Information:** Metal Package, Axial Leads, Seam Weld, 3.48 Inch Seal Perimeter, 18 Leads, Gold Lead Finish; Metal Package, Peripheral Leads, Seam Weld, 3.58 Inch Seal Perimeter, 20 Leads, Gold Lead Finish; Metal Package, Axial Leads, Seam Weld, 5.20 Inch Seal Perimeter, 30 Leads, Gold Lead Finish

Sourcing and Qualification Unit, Hybrid Devices Team, DSCC-VQH

DLA Land and Maritime - VQ

MIL-PRF-38534 QML Program Status

**Lockheed Martin Missiles and Fire Control (CAGE Code: 04939)**

5600 Sand Lake Road MP189, Orlando, FL 32819-8907, US

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**DSCC Contact:** Ms. Jonnie Schneider, Phone: 614-692-0585, Fax: 614-692-6942, E-mail: vqh.jms@dla.mil

**Quality Management (QM) Program:** TRB

**Periodic Inspection System:** Option 1

**Approved ISO 9000 System:** No

**Technologies:** Digital, Analog

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**Qualification Letters:** EQ(EQC-91-402), EQ(EQC-91-764), EQ(EQC-92-112), EQ(EQC-92-312), EQ(EQC-92-412), VQ(VQH-99-0164), VQ(VQH-10-020356)

**Class Level Information: See Note 6/**

Class H, Class E

**Substrate Fabrication Information: See Note 1/**

**Substrate Fabrication Flows:** N/A

**Substrate Fabrication:** Purchased Thick Film

**Assembly Information: See Note 1/**

**Assembly Flows:** 72301772

**Substrate Attach:** Nonconductive Epoxy

**Element Attach:** Conductive Epoxy, Nonconductive Epoxy, Eutectic

**Add-on Elements:** Unpackaged Die, Chip Capacitors, Tantalum Capacitors, Chip Resistors, Inductors

**Wire Bonding:** Gold, Aluminum

**Package Information: See Notes 1/ 2/ 3/**

**Package Information:** Ceramic Package, Leadless Chip Carrier, Solder Seal, 3.80 Inch Seal Perimeter, 68 Leads, Gold Lead Finish; Ceramic Package, Dual-in-line, Solder Seal, 2.88 Inch Seal Perimeter, 18 Leads, Gold/Solder Lead Finish; Metal Package, Platform, Projection Weld, 5.76 Inch Seal Perimeter, 44 Leads, Gold Lead Finish; Metal Package, Axial Leads, Seam Weld, 11.80 Inch Seal Perimeter, 140 Leads, Gold Lead Finish

Sourcing and Qualification Unit, Hybrid Devices Team, DSCC-VQH

DLA Land and Maritime - VQ

MIL-PRF-38534 QML Program Status

**M.S. Kennedy Corporation (CAGE Code: 51651)**

4707 Dey Road, Liverpool, NY 13088-3510, US

**Company Contact:** Mr. Daniel Miller, Phone: 315-701-6751, Fax: 315-701-6752, E-mail: d.miller@mskennedy.com

**DSCC Contact:** Ms. Binh Tonnu, Phone: 614-692-0586, Fax: 614-692-6942, E-mail: vqh.bt@dla.mil

**Quality Management (QM) Program:** Non-TRB

**Periodic Inspection System:** Options 1 and 2

**Approved ISO 9000 System:** No

**Technologies:** High Power, DC Amplifier, PWB H-Bridge, Custom, Voltage Regulator

**Qualification Letters:** EQ(EQC-90-451), EQ(EQC-90-507), EQ(EQC-92-417), EQ(EQC-93-141), EQ(EQC-93-242), EQ(EQC-93-346), EQ(EQC-93-488), EQ(EQC-93-554), EQ(EQC-93-682), EQ(EQC-93-687), EQ(EQM-94-084), EQ(EQM-94-093), ELS(ELSH-94-0400), ELS(ELSH-94-0401), ELS(ELSH-94-0402), ELS(ELSH-94-0470), ELS(ELSH-95-0020), ELS(ELSH-95-0216), ELS(ELSH-95-0304), ELS(ELSH-96-0073), ELS(ELSH-96-0086), VQ(VQH-96-0206), VQ(VQH-97-0046), VQ(VQH-97-0073), VQ(VQH-97-0089), VQ(VQH-97-0223), VQ(VQH-97-0228), VQ(VQH-97-0238), VQ(VQH-97-0243), VQ(VQH-98-0246), VQ(VQH-99-0145), VQ(VQH-00-0023), VQ(VQH-00-0123), VQ(VQH-01-0065), VQ(VQH-01-0075), VQ(VQH-02-000095), VQ(VQH-03-002841), VQ(VQH-03-003922), VQ(VQH-03-004192), VQ(VQH-03-004194), VQ(VQH-04-005084), VQ(VQH-04-005148), VQ(VQH-04-005646), VQ(VQH-04-006786), VQ(VQH-04-006941), VQ(VQH-04-007061), VQ(VQH-04-007098), VQ(VQH-05-008546), VQ(VQH-05-008816), VQ(VQH-05-008994), VQ(VQH-05-008995), VQ(VQH-06-009631), VQ(VQH-06-009683), VQ(VQH-06-009742), VQ(VQH-06-010016), VQ(VQH-06-010082), VQ(VQH-06-010086), VQ(VQH-06-010359), VQ(VQH-06-010509), VQ(VQH-06-010846), VQ(VQH-06-011516), VQ(VQH-07-012278), VQ(VQH-07-012548), VQ(VQH-07-013658), VQ(VQH-08-014579), VQ(VQH-08-014909), VQ(VQH-09-016693), VQ(VQH-09-018310), VQ(VQH-09-018313), VQ(VQH-09-018466), VQ(VQH-09-018978), VQ(VQH-10-021073)

**Class Level Information:** See Note 6/

Class K, Class H, Class G, Class E

**Substrate Fabrication Information:** See Note 1/

**Substrate Fabrication Flows:** 2422-1563

**Substrate Fabrication:** Thick Film on Alumina, 2 Conductor Level(s), Resistors; Thick Film on Alumina, 6 Conductor Level(s); Purchased Alumina/Copper; Thick Film on Beryllia, 3 Conductor Level(s), Resistors; Thick Film on Beryllia, 1 Conductor Level(s); Purchased Alumina

**Assembly Information:** See Note 1/

**Assembly Flows:** 2422-1518

**Substrate Attach:** Conductive Epoxy, Nonconductive Epoxy, Solder

**Element Attach:** Solder, Conductive Epoxy, Nonconductive Epoxy, Eutectic

**Add-on Elements:** Unpackaged Die, Chip Capacitors, Tabs, Chip Resistors, Inductors, Bonding Block, Daughter Board, Crystal, Ceramic Posts

**Wire Bonding:** Gold, Aluminum

**Package Information:** See Notes 1/ 2/ 3/

**Package Information:** Metal Package, TO Can, Projection Weld, 3.14 Inch Seal Perimeter, 12 Leads, Gold Lead Finish, Getter Qualified; Metal Package, Platform, Projection Weld, 2.60 Inch Seal Perimeter, 14 Leads, Gold Lead Finish, Getter Qualified; Metal Package, Axial Leads, Seam Weld, 5.00 Inch Seal Perimeter, 44 Leads, Gold Lead Finish, Getter Qualified; Metal Package, Peripheral Leads, Seam Weld, 6.95 Inch Seal Perimeter, 82 Leads, Gold Lead Finish, Getter Qualified; Metal Package, Peripheral Leads, Seam Weld, 6.00 Inch Seal Perimeter, 12 Leads, Gold Lead Finish, Getter Qualified; Ceramic Package, Brazed Leads, Solder Seal, 2.06 Inch Seal Perimeter, 28 Leads, Gold Lead Finish, Getter Qualified; Metal Package, Surface Mount, Seam Weld, 2.15 Inch Seal Perimeter, 3 Leads, Gold Lead Finish, Getter Qualified; Ceramic Package, Peripheral Leads, Seam Weld, 4.79 Inch Seal Perimeter, 10 Leads, Gold Lead Finish, Getter Qualified; Ceramic Package, Flatpack, Seam Weld, 2.38 Inch Seal Perimeter, 10 Leads, Gold Lead Finish, Getter Qualified; Metal Package, Flatpack, Seam Weld, 5.98 Inch Seal Perimeter, 196 Leads, Gold Lead Finish, Getter Qualified; Metal Package, Flatpack, Solder Seal, 1.33 Inch Seal Perimeter, 14 Leads, Gold Lead Finish, Getter Qualified; Metal Package, Bath Tub, Seam Weld, 1.68 Inch Seal Perimeter, 3 Leads, Gold Lead Finish, Getter Qualified; Ceramic Package, LCC, Solder Seal, 1.40 Inch Seal Perimeter, 20 Leads, Gold Lead Finish, Getter Qualified; Ceramic Package, LCC, Seam Weld, 2.16 Inch Seal Perimeter, 3 Leads, Gold Lead Finish, Getter Qualified

Sourcing and Qualification Unit, Hybrid Devices Team, DSCC-VQH

DLA Land and Maritime - VQ

MIL-PRF-38534 QML Program Status

**Micropac Industries, Incorporated (CAGE Code: 31757)**

905 East Walnut Street, Garland, TX 75040-6696, US

**Company Contact:** Mr. Cecil Miller, Phone: 972-272-3571, Fax: 972-494-2281, E-mail: cmiller@micropac.com

**DSCC Contact:** Mr. Dan Miller, Phone: 614-692-2908, Fax: 614-692-6942, E-mail: vqh.dm@dla.mil

**Quality Management (QM) Program:** Non-TRB

**Periodic Inspection System:** Options 1 and 2

**Approved ISO 9000 System:** Yes

**Technologies:** Custom, Power, Optocouplers

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**Inmobiliaria San Jose De Co. Plant**

**Qualification Letters:** VQ(VQH-04-005466), VQ(VQH-06-010381), VQ(VQH-06-011928)

**Class Level Information:** See Note 6/

Class H, Class E

**Substrate Fabrication Information:** See Note 1/

**Substrate Fabrication Flows:** N/A

**Substrate Fabrication:** N/A

**Assembly Information:** See Note 1/

**Assembly Flows:** 90138

**Substrate Attach:** N/A

**Element Attach:** Conductive Epoxy, Nonconductive Epoxy

**Add-on Elements:** Unpackaged Die, Chip Resistors, Spacer

**Wire Bonding:** Gold

**Package Information:** See Notes 1/ 2/ 3/

**Package Information:** N/A

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**Micropac Custom Line, Garland TX**

**Qualification Letters:** EQ(EQC-91-178), EQ(EQC-91-647), EQ(EQC-92-183), EQ(EQC-92-258), VQ(VQH-04-006232), VQ(VQH-05-008704), VQ(VQH-05-009200), VQ(VQH-05-009466), VQ(VQH-06-011928), VQ(VQH-07-012661), VQ(VQH-07-013773)

**Class Level Information:** See Note 6/

Class K, Class H, Class E

**Substrate Fabrication Information:** See Note 1/

**Substrate Fabrication Flows:** 90138

**Substrate Fabrication:** Thick Film on Alumina, 5 Conductor Level(s), Resistors

**Assembly Information:** See Note 1/

**Assembly Flows:** 90138

**Substrate Attach:** Nonconductive Epoxy, Solder

**Element Attach:** Eutectic, Conductive Epoxy, Nonconductive Epoxy

**Add-on Elements:** Unpackaged Die, Chip Capacitors, Chip Resistors

**Wire Bonding:** Gold

**Package Information:** See Notes 1/ 2/ 3/

**Package Information:** Metal Package, Axial Leads, Seam Weld, 5.00 Inch Seal Perimeter, 28 Leads, Gold/Solder Lead Finish, Getter Qualified; Metal Package, Peripheral Leads, Seam Weld, 5.00 Inch Seal Perimeter, 46 Leads, Gold/Solder Lead Finish, Getter Qualified

Sourcing and Qualification Unit, Hybrid Devices Team, DSCC-VQH

DLA Land and Maritime - VQ

MIL-PRF-38534 QML Program Status

**Micropac Industries, Incorporated (CAGE Code: 31757)**

905 East Walnut Street, Garland, TX 75040-6696, US

**Company Contact:** Mr. Cecil Miller, Phone: 972-272-3571, Fax: 972-494-2281, E-mail: cmiller@micropac.com

**DSCC Contact:** Mr. Dan Miller, Phone: 614-692-2908, Fax: 614-692-6942, E-mail: vqh.dm@dla.mil

**Quality Management (QM) Program:** Non-TRB

**Periodic Inspection System:** Options 1 and 2

**Approved ISO 9000 System:** Yes

**Technologies:** Custom, Power, Optocouplers

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**Micropac Opto Line, Garland TX**

**Qualification Letters:** EQ(EQC-90-624), EQ(EQC-91-188), EQ(EQC-91-466), EQ(EQC-92-120), ELS(ELSH-95-0057), ELS(ELSH-95-0444), VQ(VQH-04-006232), VQ(VQH-05-008721)

**Class Level Information:** See Note 6/

Class K, Class H, Class E

**Substrate Fabrication Information:** See Note 1/

**Substrate Fabrication Flows:** 90138

**Substrate Fabrication:** Thick Film on Alumina, 2 Conductor Level(s), Resistors; Thick Film on Alumina, 1 Conductor Level(s)

**Assembly Information:** See Note 1/

**Assembly Flows:** 90138

**Substrate Attach:** Conductive Epoxy, Nonconductive Epoxy

**Element Attach:** Eutectic, Conductive Epoxy

**Add-on Elements:** Unpackaged Die

**Wire Bonding:** Gold

**Package Information:** See Notes 1/ 2/ 3/

**Package Information:** Ceramic Package, Dual-in-line, Solder Seal, 1.89 Inch Seal Perimeter, 16 Leads, Gold/Solder Lead Finish, Getter Qualified; Ceramic Package, Leadless Chip Carrier, Solder Seal, 1.60 Inch Seal Perimeter, 24 Leads, Solder Lead Finish, Getter Qualified; Metal Package, TO Can (dual base), Projection Weld, .54 Inch Seal Perimeter, 7 Leads, Gold/Solder Lead Finish, Getter Qualified

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**Micropac Power Line, Garland TX**

**Qualification Letters:** EQ(EQC-90-625), EQ(EQC-91-328), EQ(EQC-91-338), EQ(EQC-92-183), EQ(EQC-92-258), ELS(ELSH-94-0496), VQ(VQH-04-006232), VQ(VQH-05-007911), VQ(VQH-05-009200), VQ(VQH-06-011765), VQ(VQH-07-013121), VQ(VQH-08-015994)

**Class Level Information:** See Note 6/

Class K, Class H, Class E

**Substrate Fabrication Information:** See Note 1/

**Substrate Fabrication Flows:** 90138

**Substrate Fabrication:** Thick Film on Alumina, 1 Conductor Level(s), Resistors; Thick Film on Beryllia, 2 Conductor Level(s), Resistors

**Assembly Information:** See Note 1/

**Assembly Flows:** 90138

**Substrate Attach:** Nonconductive Epoxy, Solder

**Element Attach:** Conductive Epoxy, Solder, Eutectic

**Add-on Elements:** Unpackaged Die, Chip Capacitors

**Wire Bonding:** Gold, Aluminum

**Package Information:** See Notes 1/ 2/ 3/

**Package Information:** Metal Package, TO Can, Projection Weld, 2.27 Inch Seal Perimeter, 8 Leads, Gold/Solder Lead Finish, Getter Qualified; Ceramic Package, Dual-in-line, Seam Weld, 1.36 Inch Seal Perimeter, 8 Leads, Gold Lead Finish

Sourcing and Qualification Unit, Hybrid Devices Team, DSCC-VQH

DLA Land and Maritime - VQ

MIL-PRF-38534 QML Program Status

**Micro-Precision Technologies, Inc. (CAGE Code: 0F962)**

10 Manor Parkway, Salem, NH 03079-2841, US

**Company Contact:** Dr. Etang Chen, Phone: 603-893-7600, Fax: 603-893-9110, E-mail: ec@micropt.com

**DSCC Contact:** Ms. Binh Tonnu, Phone: 614-692-0586, Fax: 614-692-6942, E-mail: vqh.bt@dla.mil

**Quality Management (QM) Program:** Non-TRB

**Periodic Inspection System:** Option 1

**Approved ISO 9000 System:** Yes

**Technologies:** Linear, Digital, Analog

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**Qualification Letters:** VQ(VQH-00-0004), VQ(VQH-10-019928)

**Class Level Information: See Note 6/**

Class H, Class G, Class E

**Substrate Fabrication Information: See Note 1/**

**Substrate Fabrication Flows:** CP9146-Screening Rev. -

**Substrate Fabrication:** Thick Film on Alumina, 3 Conductor Level(s), Resistors

**Assembly Information: See Note 1/**

**Assembly Flows:** CP9146Q-Assembly Traveler Rev. -

**Substrate Attach:** Nonconductive Epoxy

**Element Attach:** Conductive Epoxy, Nonconductive Epoxy, Solder

**Add-on Elements:** Unpackaged Die, Chip Resistors, Chip Capacitors

**Wire Bonding:** Gold

**Package Information: See Notes 1/ 2/ 3/**

**Package Information:** Metal Package, Peripheral Leads, Seam Weld, 6.32 Inch Seal Perimeter, 65 Leads, Gold Lead Finish

Sourcing and Qualification Unit, Hybrid Devices Team, DSCC-VQH

DLA Land and Maritime - VQ

MIL-PRF-38534 QML Program Status

***Micross Components, Austin (CAGE Code: 0EU86)***

8701 Cross Park Drive, Austin, TX 78754-4566, US

**Company Contact:** Mr. Allen Wares, Phone: 512-339-1188 x7138, Fax: 512-339-6641, E-mail: Allen.Wares@micross.com

**DSCC Contact:** Mr. Joseph Buben II, Phone: 614-692-0592, Fax: 614-692-6942, E-mail: vqh.jbu@dla.mil

**Quality Management (QM) Program:** TRB

**Periodic Inspection System:** Option 1

**Approved ISO 9000 System:** No

**Technologies:** Memory

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**Micross Components, Austin**

**Qualification Letters:** VQ(VQH-99-0144), VQ(VQH-05-009274), VQ(VQH-05-009315), VQ(VQH-05-009388), VQ(VQH-05-009621), VQ(VQH-06-009807), VQ(VQH-06-010137), VQ(VQH-06-010562), VQ(VQH-06-010804), VQ(VQH-07-012340), (VQ(VQH-09-017567)

**Class Level Information:** See Note 6/

Class H, Class E

**Substrate Fabrication Information:** See Note 1/

**Substrate Fabrication Flows:** N/A

**Substrate Fabrication:** N/A

**Assembly Information:** See Note 1/

**Assembly Flows:** 2/ASI-H/512K32F1/A, 1595, 1648, AS85512K32P-SAD, S51232MA, R12832MA

**Substrate Attach:** N/A

**Element Attach:** Ag Cyanate Ester, Eutectic, Noncond. Cyanate Ester, Conductive Epoxy, Nonconductive Epoxy

**Add-on Elements:** Unpackaged Die, Chip Capacitors, Chip Resistors

**Wire Bonding:** Gold, Aluminum

**Package Information:** See Notes 1/ 2/ 3/

**Package Information:** Ceramic Co-fire Package, Quad Flat Pack, Solder Seal, 1.76 Inch Seal Perimeter, 68 Leads, Gold Lead Finish; Ceramic Package, Dual-in-line, Solder Seal, 1.44 Inch Seal Perimeter, 14 Leads, Solder Lead Finish; Ceramic Co-fire Package, Pin Grid Array, Seam Weld, 4.06 Inch Seal Perimeter, 66 Leads, Gold/Solder Lead Finish; Ceramic Co-fire Package, Quad Flat Pack, Seam Weld, 3.34 Inch Seal Perimeter, 68 Leads, Gold/Solder Lead Finish; Ceramic Co-fire Package, Quad Flat Pack, Seam Weld, 5.60 Inch Seal Perimeter, 68 Leads, Gold Lead Finish



Sourcing and Qualification Unit, Hybrid Devices Team, DSCC-VQH

DLA Land and Maritime - VQ

MIL-PRF-38534 QML Program Status

**Murata Power Solutions Inc. (CAGE Code: 50721)**

11 Cabot Boulevard, Mansfield, MA 02048-1194, US

**Company Contact:** Mr. Tim Brown, Phone: 508-339-3000, Fax: 508-339-6356, E-mail: Tim.Brown@murata-ps.com

**DSCC Contact:** Mr. Edward Raybould, Phone: 614-692-0582, Fax: 614-692-6942, E-mail: vqh.esr@dla.mil

**Quality Management (QM) Program:** Non-TRB

**Periodic Inspection System:** Option 1

**Approved ISO 9000 System:** No

**Technologies:** Digital

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**Qualification Letters:** EQ(EQC-90-626), EQ(EQC-90-677), EQ(EQC-91-029), EQ(EQC-92-446), ELS(ELSH-95-0356), VQ(VQH-97-0084), VQ(VQH-98-0261), VQ(VQH-07-012296), VQ(VQH-10-019587)

**Class Level Information: See Note 6/**

Class H, Class E

**Substrate Fabrication Information: See Note 1/**

**Substrate Fabrication Flows:** D-4552

**Substrate Fabrication:** Thick Film on Alumina, 4 Conductor Level(s)

**Assembly Information: See Note 1/**

**Assembly Flows:** D-4552

**Substrate Attach:** Nonconductive Epoxy

**Element Attach:** Conductive Epoxy, Nonconductive Epoxy

**Add-on Elements:** Unpackaged Die, Chip Capacitors, Tantalum Capacitors, Chip Resistors

**Wire Bonding:** Gold

**Package Information: See Notes 1/ 2/ 3/**

**Package Information:** Ceramic Package, Dual-in-line, Seam Weld, 7.24 Inch Seal Perimeter, 62 Leads, Gold Lead Finish

Sourcing and Qualification Unit, Hybrid Devices Team, DSCC-VQH

DLA Land and Maritime - VQ

MIL-PRF-38534 QML Program Status

**Natel Carson City Operations (CAGE Code: 0ANM4)**

400 Hot Springs Road, Carson City, NV 89706-1609, US

**Company Contact:** Mrs. Kathy Cano, Phone: 775-883-0820, Fax: 775-883-0827, E-mail: kcano@natelengr.com

**DSCC Contact:** Mr. Edward Raybould, Phone: 614-692-0582, Fax: 614-692-6942, E-mail: vqh.esr@dla.mil

**Quality Management (QM) Program:** Non-TRB

**Periodic Inspection System:** Options 1 and 2

**Approved ISO 9000 System:** No

**Technologies:** Active Delay Line, Linear, Custom Hybrid

**Qualification Letters:** EQ(EQC-91-859), EQ(EQM-94-0023), EQ(EQM-94-0102), VQ(VQH-04-006262), VQ(VQH-05-007828), VQ(VQH-06-010743), VQ(VQH-07-012497), VQ(VQH-08-015017), VQ(VQH-08-015553), VQ(VQH-09-016945), VQ(VQH-10-020918)

**Class Level Information: See Note 6/**

Class K, Class H, Class E

**Substrate Fabrication Information: See Note 1/**

**Substrate Fabrication Flows:** RN1005-002, 8111663

**Substrate Fabrication:** Thick Film on Alumina, 2 Conductor Level(s), Resistors; Thick Film on Beryllia, 1 Conductor Level(s); Thick Film on Ceramic, 7 Conductor Level(s), Resistors

**Assembly Information: See Note 1/**

**Assembly Flows:** RN1005-004

**Substrate Attach:** Nonconductive Epoxy, Conductive Epoxy

**Element Attach:** Conductive Epoxy, Nonconductive Epoxy, Solder, Eutectic

**Add-on Elements:** Unpackaged Die, Chip Capacitors, Inductors, Chip Resistors, Tabs, Tantalum Capacitors, Quartz Crystal, Ceramic Stand Off

**Wire Bonding:** Gold, Aluminum

**Package Information: See Notes 1/ 2/ 3/**

**Package Information:** Metal Package, Platform, Projection Weld, 2.94 Inch Seal Perimeter, 16 Leads, Gold/Solder Lead Finish, Getter Qualified; Metal Package, Axial Leads, Seam Weld, 6.32 Inch Seal Perimeter, 48 Leads, Gold Lead Finish, Getter Qualified; Metal Package, Axial Leads, Seam Weld, 5.00 Inch Seal Perimeter, 56 Leads, Nickel Lead Finish, Getter Qualified; Ceramic Co-fire Package, Brazed Leads, Seam Weld, 2.47 Inch Seal Perimeter, 11 Leads, Gold Lead Finish

Sourcing and Qualification Unit, Hybrid Devices Team, DSCC-VQH

DLA Land and Maritime - VQ

MIL-PRF-38534 QML Program Status

**Natel Engineering Company, Inc. (CAGE Code: 09059)**

9340 Owensmouth Avenue, Chatsworth, CA 91311-6915, US

**Company Contact:** Mr. Jay Klug, Phone: 818-734-6568, Fax: 818-734-6540, E-mail: jklug@natelengr.com

**DSCC Contact:** Ms. Jonnie Schneider, Phone: 614-692-0585, Fax: 614-692-6942, E-mail: vqh.jms@dla.mil

**Quality Management (QM) Program:** Non-TRB

**Periodic Inspection System:** Option 2

**Approved ISO 9000 System:** No

**Technologies:** Hybrid Microcircuits, Custom Hybrids, Multichip Modules

**Qualification Letters:** EQ(EQC-91-714), EQ(EQC-92-039), EQ(EQC-92-048), EQ(EQC-92-202), EQ(EQC-93-261), ELS(ELSH-95-0154), ELS(ELSH-95-0314), VQ(VQH-01-156), VQ(VQH-03-004107)

**Class Level Information: See Note 6/**

Class K, Class H, Class E

**Substrate Fabrication Information: See Note 1/**

**Substrate Fabrication Flows:** N/A

**Substrate Fabrication:** Purchased Direct Bonded Copper; Purchased Thick Film on Beryllia/Alumina, 1 Conductor Level(s)

**Assembly Information: See Note 1/**

**Assembly Flows:** NHPS-01.001, NPS-01.016

**Substrate Attach:** Nonconductive Epoxy, Conductive Epoxy

**Element Attach:** Conductive Epoxy, Nonconductive Epoxy, Eutectic

**Add-on Elements:** Ceramic Posts, Chip Capacitors, Chip Resistors, Daughter Board, Unpackaged Die

**Wire Bonding:** Gold, Aluminum

**Package Information: See Notes 1/ 2/ 3/**

**Package Information:** Metal Package, Peripheral Leads, Seam Weld, 5.34 Inch Seal Perimeter, 36 Leads, Gold Lead Finish; Metal Package, Axial Leads, Seam Weld, 6.56 Inch Seal Perimeter, 40 Leads, Gold Lead Finish; Metal Package, Single-in-line, Seam Weld, 4.34 Inch Seal Perimeter, 14 Leads, Nickel Lead Finish

Sourcing and Qualification Unit, Hybrid Devices Team, DSCC-VQH

DLA Land and Maritime - VQ

MIL-PRF-38534 QML Program Status

**Pantronix Corporation (CAGE Code: 2V289)**

2710 Lakeview Court, Fremont, CA 94538, US

**Company Contact:** Mr. Solomon Ching, Phone: 510-656-5898, Fax: 510-656-7779, E-mail: sching@pantronix.com

**DSCC Contact:** Ms. Binh Tonnu, Phone: 614-692-0586, Fax: 614-692-6942, E-mail: vqh.bt@dla.mil

**Quality Management (QM) Program:** Non-TRB

**Periodic Inspection System:** Option 1

**Approved ISO 9000 System:** No

**Technologies:** Custom, Digital, Analog

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**Qualification Letters:** VQ(VQH-06-010701)

**Class Level Information:** See Note 6/

Class D

**Substrate Fabrication Information:** See Note 1/

**Substrate Fabrication Flows:** N/A

**Substrate Fabrication:** Purchased LTCC on Ceramic, 10 Conductor Level(s)

**Assembly Information:** See Note 1/

**Assembly Flows:** 710-023

**Substrate Attach:** N/A

**Element Attach:** Conductive Epoxy, Nonconductive Epoxy, Eutectic, Silver Glass

**Add-on Elements:** Unpackaged Die, Chip Resistors, Chip Capacitors, Ceramic Posts

**Wire Bonding:** Gold, Aluminum

**Package Information:** See Notes 1/ 2/ 3/

**Package Information:** Ceramic Package, Quad Flat Pack, Seam Weld, 5.38 Inch Seal Perimeter, 270 Leads, Gold Lead Finish, Getter Qualified

Sourcing and Qualification Unit, Hybrid Devices Team, DSCC-VQH

DLA Land and Maritime - VQ

MIL-PRF-38534 QML Program Status

**Precision Devices Incorporated (CAGE Code: 0S4G1)**

8840 N. Greenview Drive, Middleton, WI 53562, US

**Company Contact:** Mr. Lucas Miller, Phone: 608-831-4445 x238, Fax: 608-831-3343, E-mail: Lucas\_M@pdixtal.com

**DSCC Contact:** Ms. Jonnie Schneider, Phone: 614-692-0585, Fax: 614-692-6942, E-mail: vqh.jms@dla.mil

**Quality Management (QM) Program:** Non-TRB

**Periodic Inspection System:** Option 2

**Approved ISO 9000 System:** No

**Technologies:** crystal oscillator

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**Qualification Letters:** VQ(VQH-05-007968)

**Class Level Information:** See Note 6/

Class H, Class E

**Substrate Fabrication Information:** See Note 1/

**Substrate Fabrication Flows:** N/A

**Substrate Fabrication:** Purchased FR4 printed circuit board, 2 Conductor Level(s)

**Assembly Information:** See Note 1/

**Assembly Flows:** CP 7.5.1.38-A

**Substrate Attach:** Solder

**Element Attach:** Solder

**Add-on Elements:** surface mount capacitors, surface mount resistors, plastic enc. Microcircuit, metal canned crystal

**Wire Bonding:** N/A

**Package Information:** See Notes 1/ 2/ 3/

**Package Information:** Metal Package, Dual-in-line, Projection Weld, 2.85 Inch Seal Perimeter, 14 Leads, Solder Lead Finish

Sourcing and Qualification Unit, Hybrid Devices Team, DSCC-VQH

DLA Land and Maritime - VQ

MIL-PRF-38534 QML Program Status

**Robins AFB (CAGE Code: 0RCH2)**

402 EMXSS/MXDEAD, 420 Richard Ray Blvd. STE 100, Robins AFB, GA 31098-1640, US

**Company Contact:** Ms. Kimberly Dockery, Phone: 478-926-9472, Fax: 478-926-9234, E-mail: Kimberly.Dockery@ROBINS.AF.MIL

**DSCC Contact:** Ms. Binh Tonnu, Phone: 614-692-0586, Fax: 614-692-6942, E-mail: vqh.bt@dla.mil

**Quality Management (QM) Program:** Non-TRB

**Periodic Inspection System:** Option 1

**Approved ISO 9000 System:** No

**Technologies:** I/Q Phase Detector, Digibus

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**Qualification Letters:** VQ(VQH-00-0107), VQ(VQH-07-012450)

**Class Level Information: See Note 6/**

Class H, Class G, Class E

**Substrate Fabrication Information: See Note 1/**

**Substrate Fabrication Flows:** N/A

**Substrate Fabrication:** Purchased Thick Film on Alumina, 4 Conductor Level(s)

**Assembly Information: See Note 1/**

**Assembly Flows:** PCD0200

**Substrate Attach:** Conductive Epoxy, Nonconductive Epoxy

**Element Attach:** Conductive Epoxy, Nonconductive Epoxy

**Add-on Elements:** Unpackaged Die, Chip Capacitors, Chip Resistors

**Wire Bonding:** Gold

**Package Information: See Notes 1/ 2/ 3/**

**Package Information:** Metal Package, Flatpack, Seam Weld, 5.92 Inch Seal Perimeter, 68 Leads, Gold Lead Finish

**Sourcing and Qualification Unit, Hybrid Devices Team, DSCC-VQH**

**DLA Land and Maritime - VQ**

**MIL-PRF-38534 QML Program Status**

**Sensitron Semiconductor (CAGE Code: 13409)**

221 West Industry Court, Deer Park, NY 11729-4681, US

**Company Contact:** Ms. Marilyn Schroh, Phone: 631-586-7600, Fax: 631-586-7652, E-mail: marilyn.schroh@rsm.com

**DSCC Contact:** Ms. Binh Tonnu, Phone: 614-692-0586, Fax: 614-692-6942, E-mail: vqh.bt@dla.mil

**Quality Management (QM) Program:** Non-TRB

**Periodic Inspection System:** Options 1 and 2

**Approved ISO 9000 System:** No

**Technologies:** Power, Transistors

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**Qualification Letters:** VQ(VQH-00-0119), VQ(VQH-00-0168), VQ(VQH-00-0169), VQ(VQH-03-002777)

**Class Level Information:** See Note 6/

Class H, Class E

**Substrate Fabrication Information:** See Note 1/

**Substrate Fabrication Flows:** N/A

**Substrate Fabrication:** Purchased Aluminum Nitride

**Assembly Information:** See Note 1/

**Assembly Flows:** 7710-0582

**Substrate Attach:** Solder

**Element Attach:** Conductive Epoxy, Solder, Eutectic

**Add-on Elements:** Unpackaged Die, Chip Resistors

**Wire Bonding:** Gold, Aluminum

**Package Information:** See Notes 1/ 2/ 3/

**Package Information:** Metal Package, Axial Leads, Seam Weld, 4.00 Inch Seal Perimeter, 12 Leads, Gold Lead Finish; Metal Package, Solder Seal, 1.96 Inch Seal Perimeter; Metal Package, TO Can, Projection Weld, 1.13 Inch Seal Perimeter, 8 Leads, Gold Lead Finish

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**Qualification Letters:** VQ(VQH-00-0123)

**Class Level Information:** See Note 6/

Class D

**Substrate Fabrication Information:** See Note 1/

**Substrate Fabrication Flows:** N/A

**Substrate Fabrication:** Purchased Beryllia; Purchased Alumina

**Assembly Information:** See Note 1/

**Assembly Flows:** 7710-0582

**Substrate Attach:** Solder

**Element Attach:** Solder

**Add-on Elements:** Packaged FET, Chip Resistors, Chip Capacitors

**Wire Bonding:** Copper

**Package Information:** See Notes 1/ 2/ 3/

**Package Information:** Epoxy Package, Axial Leads, Epoxy Seal, 4.64 Inch Seal Perimeter, 16 Leads, Copper Lead Finish

Sourcing and Qualification Unit, Hybrid Devices Team, DSCC-VQH

DLA Land and Maritime - VQ

MIL-PRF-38534 QML Program Status

**Solitron Devices, Incorporated (CAGE Code: 21845)**

3301 Electronics Way, West Palm Beach, FL 33407-4697, US

**Company Contact:** Mr. Arthur France, Phone: 561-848-4311, Fax: 561-863-5946, E-mail: afrance@solitrondevices.com

**DSCC Contact:** Mr. Dan Miller, Phone: 614-692-2908, Fax: 614-692-6942, E-mail: vqh.dm@dla.mil

**Quality Management (QM) Program:** Non-TRB

**Periodic Inspection System:** Options 1 and 2

**Approved ISO 9000 System:** No

**Technologies:** Linear, Power, Voltage Regulator

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**Qualification Letters:** ELS(ELSH-94-0316), ELS(ELSH-94-0433), ELS(ELSH-95-0079), ELS(ELSH-95-0210), VQ(VQH-99-0180), VQ(VQH-99-0195), VQ(VQH-00-0125), VQ(VQH-03-003255), VQ(VQH-03-004107), VQ(VQH-05-007716)

**Class Level Information: See Note 6/**

Class H, Class E

**Substrate Fabrication Information: See Note 1/**

**Substrate Fabrication Flows:** H1043

**Substrate Fabrication:** Thick Film on Alumina, 1 Conductor Level(s), Resistors; Thick Film on Beryllia, 2 Conductor Level(s), Resistors; Thick Film on Beryllia, 2 Conductor Level(s)

**Assembly Information: See Note 1/**

**Assembly Flows:** H1040

**Substrate Attach:** Eutectic, Solder

**Element Attach:** Conductive Epoxy, Nonconductive Epoxy, Eutectic, Solder

**Add-on Elements:** Unpackaged Die, Chip Capacitors, Tabs

**Wire Bonding:** Gold, Aluminum

**Package Information: See Notes 1/ 2/ 3/**

**Package Information:** Metal Package, TO Can, Projection Weld, 2.86 Inch Seal Perimeter, 3 Leads, Gold/Solder Lead Finish, Getter Qualified; Metal Package, Peripheral Leads, Seam Weld, 4.64 Inch Seal Perimeter, 6 Leads, Gold/Solder Lead Finish, Getter Qualified



Sourcing and Qualification Unit, Hybrid Devices Team, DSCC-VQH

DLA Land and Maritime - VQ

MIL-PRF-38534 QML Program Status

**Spectrum Microwave (former Marlborough facility) (CAGE Code: 27851)**

400 Nickerson Road, Marlborough, MA 01752, US

**Company Contact:** Mr. Steve LaRue, Phone: 508-251-6429, Fax: , E-mail: LarueS@spectrummicrowave.com

**DSCC Contact:** Mr. Edward Raybould, Phone: 614-692-0582, Fax: 614-692-6942, E-mail: vqh.esr@dla.mil

**Quality Management (QM) Program:** Non-TRB

**Periodic Inspection System:** Option 2

**Approved ISO 9000 System:** No

**Technologies:** Low Power, Analog, Voltage Reference, Direct Bond Copper Hybrid

**Qualification Letters:** EQ(EQC-89-421), ELS(ELSH-94-0252), ELS(ELSH-94-0253), ELS(ELSH-94-0254), ELS(ELSH-95-0183), VQ(VQH-98-0177), VQ(VQH-98-0232), VQ(VQH-99-0176), VQ(VQH-99-0204), VQ(VQH-01-0102), VQ(VQH-01-0104), VQ(VQH-03-004619), VQ(VQH-04-004898), VQ(VQH-04-005172), VQ(VQH-06-011842), VQ(VQH-07-013689), VQ(VQH-08-014380)

**Class Level Information: See Note 6/**

Class K, Class H, Class E

**Substrate Fabrication Information: See Note 1/**

**Substrate Fabrication Flows:** 52-0059

**Substrate Fabrication:** Thin Film on Alumina, 2 Conductor Level(s), Resistors; Thin Film on Alumina, 1 Conductor Level(s); Thin Film on Beryllia, 1 Conductor Level(s); Purchased Direct Bonded Copper on Alumina Nitride, 2 Conductor Level(s); Purchased Thick Film on Alumina, 5 Conductor Level(s)

**Assembly Information: See Note 1/**

**Assembly Flows:** 12-0902

**Substrate Attach:** Nonconductive Epoxy, Solder

**Element Attach:** Conductive Epoxy, Solder, Nonconductive Epoxy, Eutectic

**Add-on Elements:** Unpackaged Die, Chip Resistors, Chip Capacitors

**Wire Bonding:** Gold, Aluminum

**Package Information: See Notes 1/ 2/ 3/**

**Package Information:** Metal Package, Peripheral Leads, Seam Weld, 3.58 Inch Seal Perimeter, 16 Leads, Gold Lead Finish, Getter Qualified; Metal Package, TO can, Projection Weld, 1.65 Inch Seal Perimeter, 12 Leads, Gold Lead Finish, Getter Qualified; Metal Package, TO can, Projection Weld, 6.00 Inch Seal Perimeter, 12 Leads, Nickel Lead Finish, Getter Qualified; Ceramic Package, Dual-in-line, Seam Weld, 2.57 Inch Seal Perimeter, 14 Leads, Gold Lead Finish; Ceramic Package, Leadless Chip Carrier, Seam Weld, 1.62 Inch Seal Perimeter, 28 Leads, Solder Lead Finish; Ceramic Package, Single-in-line, Seam Weld, 2.90 Inch Seal Perimeter, 10 Leads, Gold Lead Finish; Copper Package, Single-in-line, Seam Weld, 4.90 Inch Seal Perimeter, 17 Leads, Nickel Lead Finish

Sourcing and Qualification Unit, Hybrid Devices Team, DSCC-VQH

DLA Land and Maritime - VQ

MIL-PRF-38534 QML Program Status

***Spectrum Microwave (former Worcester facility) (CAGE Code: 50507)***

400 Nickerson Road, Marlborough, MA 01752, US

**Company Contact:** Mr. Steve LaRue, Phone: 508-251-6429, Fax: , E-mail: LarueS@spectrummicrowave.com

**DSCC Contact:** Mr. Edward Raybould, Phone: 614-692-0582, Fax: 614-692-6942, E-mail: vqh.esr@dla.mil

**Quality Management (QM) Program:** Non-TRB

**Periodic Inspection System:** Options 1 and 2

**Approved ISO 9000 System:** No

**Technologies:** Data Converters, Track and Hold Amp

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**Qualification Letters:** EQ(EQM-88-0709), EQ(EQC-91-235), EQ(EQC-91-894), EQ(EQC-92-062), EQ(EQC-93-162), EQ(EQC-94-008), ELS(ELSH-95-0269), VQ(VQH-06-010485)

**Class Level Information: See Note 6/**

Class H, Class E

**Substrate Fabrication Information: See Note 1/**

**Substrate Fabrication Flows:** N/A

**Substrate Fabrication:** Ceramic Co-fire

**Assembly Information: See Note 1/**

**Assembly Flows:** FC-25

**Substrate Attach:** Nonconductive Epoxy

**Element Attach:** Conductive Epoxy, Nonconductive Epoxy, Eutectic

**Add-on Elements:** Unpackaged Die, Chip Capacitors, Chip Resistors

**Wire Bonding:** Gold

**Package Information: See Notes 1/ 2/ 3/**

**Package Information:** Ceramic Package, Dual-in-line, Seam Weld, 7.48 Inch Seal Perimeter, 62 Leads, Gold/Solder Lead Finish; Ceramic Package, Leadless Chip Carrier, Solder Seal, 1.13 Inch Seal Perimeter, 22 Leads, Solder Lead Finish; Ceramic Package, Quad Flat Pack, Seam Weld, 6.20 Inch Seal Perimeter, 136 Leads, Gold Lead Finish

Sourcing and Qualification Unit, Hybrid Devices Team, DSCC-VQH

DLA Land and Maritime - VQ

MIL-PRF-38534 QML Program Status

**Teledyne Cougar Incorporated (CAGE Code: 0D4L1)**

927 Thompson Place, Sunnyvale, CA 94085-4518, US

**Company Contact:** Ms. Dory Maciel, Phone: 408-522-0449, Fax: 408-522-3839, E-mail: dmaciel@teledyne.com

**DSCC Contact:** Mr. Edward Raybould, Phone: 614-692-0582, Fax: 614-692-6942, E-mail: vqh.esr@dla.mil

**Quality Management (QM) Program:** TRB

**Periodic Inspection System:** Option 1

**Approved ISO 9000 System:** No

**Technologies:** RF Cascadable Amplifier, Microwave Cascadable Amplifier, Mixers, Attenuators, Limiters, Switches, Multi-function

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**Qualification Letters:** VQ(VQH-00-0037), VQ(VQH-01-0128)

**Class Level Information: See Note 6/**

Class K, Class H, Class E

**Substrate Fabrication Information: See Note 1/**

**Substrate Fabrication Flows:** N/A

**Substrate Fabrication:** Purchased Thin Film

**Assembly Information: See Note 1/**

**Assembly Flows:** 351393

**Substrate Attach:** Solder

**Element Attach:** Conductive Epoxy, Nonconductive Epoxy, Solder

**Add-on Elements:** Unpackaged Die, Chip Capacitors, Inductors

**Wire Bonding:** Gold, Copper

**Package Information: See Notes 1/ 2/ 3/**

**Package Information:** Metal Package, TO Can, Projection Weld, 1.37 Inch Seal Perimeter, 4 Leads, Gold Lead Finish; Metal Package, Flatpack, Seam Weld, 2.13 Inch Seal Perimeter, 4 Leads, Gold Lead Finish; Metal/Ceramic Package, SMT0, Seam Weld, 2.13 Inch Seal Perimeter, 4 Leads, Gold Lead Finish

Sourcing and Qualification Unit, Hybrid Devices Team, DSCC-VQH

DLA Land and Maritime - VQ

MIL-PRF-38534 QML Program Status

**Teledyne Microelectronic Technologies (CAGE Code: 16170)**

12964 Panama Street, Los Angeles, CA 90066-6534, US

**Company Contact:** Mr. Evon Bennett, Phone: 310-574-2004, Fax: 310-574-2093, E-mail: ebennett@teledyne.com

**DSCC Contact:** Mr. Richard Barker, Phone: 614-692-0596, Fax: 614-692-6942, E-mail: vqh.rb@dla.mil

**Quality Management (QM) Program:** Non-TRB

**Periodic Inspection System:** Options 1 and 2

**Approved ISO 9000 System:** No

**Technologies:** Data Converters, Linear, Microwave, Custom, Power, RF Microwave

**Qualification Letters:** EQ(EQM-87-1898), EQ(EQC-91-897), EQ(EQM-94-0085), EQ(EQM-94-0098), EQ(EQM-94-138), ELS(ELSH-94-313), VQ(VQH-00-0081), VQ(VQH-04-006032), VQ(VQH-05-7258), VQ(VQH-10-019408), VQ(VQH-10-019950), VQ(VQH-11-021450), VQ(VQH-11-021451), VQ(VQH-11-021452)

**Class Level Information: See Note 6/**

Class K, Class H, Class E

**Substrate Fabrication Information: See Note 1/**

**Substrate Fabrication Flows:** 8575200-1, 2303506

**Substrate Fabrication:** Thin Film on Alumina, 1 Conductor Level(s), Resistors; Thick Film on Alumina, 7 Conductor Level(s), Resistors

**Assembly Information: See Note 1/**

**Assembly Flows:** 7700530

**Substrate Attach:** Nonconductive Epoxy, Solder

**Element Attach:** Conductive Epoxy, Nonconductive Epoxy, Eutectic

**Add-on Elements:** Unpackaged Die, Chip Capacitors

**Wire Bonding:** Gold, Aluminum, Ribbon

**Package Information: See Notes 1/ 2/ 3/**

**Package Information:** Metal Package, Peripheral Leads, Seam Weld, 8.75 Inch Seal Perimeter, 94 Leads, Gold Lead Finish, Getter Qualified; Metal Package, Axial Leads, Seam Weld, 5.00 Inch Seal Perimeter, 24 Leads, Gold Lead Finish, Getter Qualified; Metal Package, Side Braze Leads, Seam Weld, 6.60 Inch Seal Perimeter, 136 Leads, Gold Lead Finish, Getter Qualified

**Qualification Letters:** VQ(VQH-06-10253)

**Class Level Information: See Note 6/**

Class D

**Substrate Fabrication Information: See Note 1/**

**Substrate Fabrication Flows:** 8575200-1, 2303506

**Substrate Fabrication:** Thick Film on Alumina, 7 Conductor Level(s), Resistors; Thin Film on Alumina, 1 Conductor Level(s), Resistors; Purchased Thick Film on Alumina

**Assembly Information: See Note 1/**

**Assembly Flows:** 7700530

**Substrate Attach:** Nonconductive Epoxy, Solder

**Element Attach:** Nonconductive Epoxy, Conductive Epoxy, Eutectic

**Add-on Elements:** Unpackaged Die, Chip Capacitors, stiffener plate, Tabs, Inductors, Transformers, Chip Resistors

**Wire Bonding:** Gold, Aluminum, Ribbon

**Package Information: See Notes 1/ 2/ 3/**

**Package Information:** Metal Package, Peripheral Leads, Seam Weld, 10.90 Inch Seal Perimeter, 92 Leads, Gold Lead Finish, Getter Qualified

Sourcing and Qualification Unit, Hybrid Devices Team, DSCC-VQH

DLA Land and Maritime - VQ

MIL-PRF-38534 QML Program Status

**VPT Incorporated (CAGE Code: 0ZBZ6)**

2801 Commerce Street SE, PO Box 253, Blacksburg, VA 24063-0253, US

**Company Contact:** Mr. Shawn Graham, Phone: 540-552-5000 x7566, Fax: 540-552-5003, E-mail: sgraham@vpt-inc.com

**DSCC Contact:** Ms. Binh Tonnu, Phone: 614-692-0586, Fax: 614-692-6942, E-mail: vqh.bt@dla.mil

**Quality Management (QM) Program:** Non-TRB

**Periodic Inspection System:** Option 1

**Approved ISO 9000 System:** No

**Technologies:** DC/DC Converters, Filters

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**Delta Electronics, Inc Taoyuan Shien, Taiwan Plant**

**Qualification Letters:** VQ(VQH-03-3408), VQ(VQH-05-007383), VQ(VQH-06-009911), VQ(VQH-06-010083), VQ(VQH-06-010462), VQ(VQH-06-010463), VQ(VQH-06-010748), VQ(VQH-07-012667), VQ(VQH-08-014580), VQ(VQH-09-017993), VQ(VQH-09-017994), VQ(VQH-11-022477), VQ(VQH-11-022562)

**Class Level Information: See Note 6/**

Class K, Class H, Class E

**Substrate Fabrication Information: See Note 1/**

**Substrate Fabrication Flows:** MFG-001

**Substrate Fabrication:** Thick Film on Alumina, 4 Conductor Level(s), Resistors; Thick Film on Alumina, 1 Conductor Level(s), Resistors; Thick Film on Alumina, 4 Conductor Level(s)

**Assembly Information: See Note 1/**

**Assembly Flows:** MFG-001

**Substrate Attach:** Solder

**Element Attach:** Conductive Epoxy, Solder, Nonconductive Epoxy, RTV

**Add-on Elements:** Unpackaged Die, Chip Capacitors, Chip Resistors, Magnetics, Bonding Chip, Copper Straps, Flexible Circuits, Wirewound Resistor

**Wire Bonding:** Aluminum, Gold

**Package Information: See Notes 1/ 2/ 3/**

**Package Information:** Metal Package, Dual-in-line, Projection Weld, 5.14 Inch Seal Perimeter, 9 Leads, Gold Lead Finish; Metal Package, Dual-in-line, Bathtub, Seam Weld, 6.44 Inch Seal Perimeter, 5 Leads, Gold Lead Finish; Metal Package, Peripheal Leads, Bathtub, Seam Weld, 8.00 Inch Seal Perimeter, 12 Leads, Gold Lead Finish

Sourcing and Qualification Unit, Hybrid Devices Team, DSCC-VQH

DLA Land and Maritime - VQ

MIL-PRF-38534 QML Program Status

**White Electronic Designs Corporation (CAGE Code: 54230)**

3601 East University Drive, Phoenix, AZ 85034-7217, US

**Company Contact:** Ms. Usha Shah, Phone: 602-437-1520 x13225, Fax: 602-437-9120, E-mail: ushah@wedc.com

**DSCC Contact:** Ms. Jacqueline Cunningham, Phone: 614-692-0584, Fax: 614-692-6942, E-mail: vqh.jc@dla.mil

**Quality Management (QM) Program:** Non-TRB

**Periodic Inspection System:** Options 1 and 2

**Approved ISO 9000 System:** No

**Technologies:** Digital Memory

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**Qualification Letters:** EQ(EQC-90-019), EQ(EQC-92-070), EQ(EQC-92-138), EQC-93-457, EQ(EQC-93-508), ELS(ELSH-94-0256), ELS(ELSH-95-0107), ELS(ELSH-95-0365), ELS(ELSH-96-0014), ELS(ELSH-96-0184), ELS(ELSH-96-0186), VQ(VQH-96-0210), VQ(VQH-96-0211), VQ(VQH-97-0016), VQ(VQH-97-0170), VQ(VQH-98-0172), VQ(VQH-99-0258), VQ(VQH-00-0079)

**Class Level Information: See Note 6/**

Class K, Class H, Class E

**Substrate Fabrication Information: See Note 1/**

**Substrate Fabrication Flows:** N/A

**Substrate Fabrication:** Purchased Thick Film; Purchased Ceramic Co-fire

**Assembly Information: See Note 1/**

**Assembly Flows:** 035A00001

**Substrate Attach:** Nonconductive Epoxy

**Element Attach:** Conductive Epoxy, Nonconductive Epoxy

**Add-on Elements:** Unpackaged Die, Chip Capacitors, Chip Resistors

**Wire Bonding:** Gold

**Package Information: See Notes 1/ 2/ 3/**

**Package Information:** Ceramic Co-fire Package, Brazed Leads, Seam Weld, 5.36 Inch Seal Perimeter, 68 Leads, Gold/Solder Lead Finish, Getter Qualified;  
Ceramic Co-fire Package, Axial Leads, Seam Weld, 4.58 Inch Seal Perimeter, 66 Leads, Gold/Solder Lead Finish, Getter Qualified;  
Ceramic Package, Pin Grid Array, Seam Weld, 4.10 Inch Seal Perimeter, 66 Leads, Gold Lead Finish, Getter Qualified

Sourcing and Qualification Unit, Hybrid Devices Team, DSCC-VQH

DLA Land and Maritime - VQ

MIL-PRF-38534 QML Program Status

**Woodward MPC Incorporated (CAGE Code: 19710)**

7320 North Linder Avenue, Skokie, IL 60077-3290, US

**Company Contact:** Mr. Henry Nowicki, Phone: 847-673-2718 x308, Fax: 847-673-9789, E-mail: Henry.Nowicki@woodward.com

**DSCC Contact:** Mr. Dan Miller, Phone: 614-692-2908, Fax: 614-692-6942, E-mail: vqh.dm@dla.mil

**Quality Management (QM) Program:** Non-TRB

**Periodic Inspection System:** Option 1

**Approved ISO 9000 System:** No

**Technologies:** Motor Drive, Analog Power, Custom

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**Qualification Letters:** VQ(VQH-97-0067), VQ(VQH-00-0137), VQ(VQH-01-0097)

**Class Level Information:** See Note 6/

Class G, Class E

**Substrate Fabrication Information:** See Note 1/

**Substrate Fabrication Flows:** 6H95903044A, Sheet 27

**Substrate Fabrication:** Thick Film on Beryllia, 5 Conductor Level(s), Resistors

**Assembly Information:** See Note 1/

**Assembly Flows:** 6H95903044A, Sheet 27

**Substrate Attach:** Conductive Epoxy

**Element Attach:** Conductive Epoxy, Nonconductive Epoxy

**Add-on Elements:** Unpackaged Die, Chip Capacitors, Chip Resistors

**Wire Bonding:** Gold, Aluminum

**Package Information:** See Notes 1/ 2/ 3/

**Package Information:** Metal Package, Peripheral Leads, Seam Weld, 6.00 Inch Seal Perimeter, 20 Leads, Gold Lead Finish

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**Qualification Letters:** VQ(VQH-05-8587), VQ(VQH-05-8601), VQ(VQH-05-8614)

**Class Level Information:** See Note 6/

Class G

**Substrate Fabrication Information:** See Note 1/

**Substrate Fabrication Flows:** 6H95903044A, Sheet 27

**Substrate Fabrication:** Thick Film on Alumina, 3 Conductor Level(s), Resistors; Purchased Direct Bonded Copper, 1 Conductor Level(s); Thick Film on Beryllia, 5 Conductor Level(s), Resistors

**Assembly Information:** See Note 1/

**Assembly Flows:** 6H95903044A, Sheet 27

**Substrate Attach:** Solder, Conductive Epoxy

**Element Attach:** Nonconductive Epoxy, Solder, Conductive Epoxy

**Add-on Elements:** Daughter Board, Unpackaged Die, Chip Capacitors, Chip Resistors

**Wire Bonding:** Aluminum, Gold

**Package Information:** See Notes 1/ 2/ 3/

**Package Information:** Metal Package, Peripheral Leads, Seam Weld, 6.00 Inch Seal Perimeter, 46 Leads, Gold Lead Finish; Metal Package, Axial Leads, Seam Weld, 5.00 Inch Seal Perimeter, 44 Leads, Gold Lead Finish

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                     | Approved Source | CAGE Code |
| 00002H01HXA                             | SFME120-461/HH                      | 1          | FILTER, EMI, 120 V, 2.0 A                    | Crane           | 50821     |
| 00002H01HXC                             | SFME120-461/HH                      | 1          | FILTER, EMI, 120 V, 2.0 A                    | Crane           | 50821     |
| 00002H01KXA                             | SFME120-461/KH                      | 1          | FILTER, EMI, 120 V, 2.0 A                    | Crane           | 50821     |
| 00002H01KXC                             | SFME120-461/KH                      | 1          | FILTER, EMI, 120 V, 2.0 A                    | Crane           | 50821     |
| 00003H01HXA                             | SFCS28-461/HH                       | 1          | FILTER, EMI, 5 A                             | Crane           | 50821     |
| 00003H01KXA                             | SFCS28-461/KH                       | 1          | FILTER, EMI, 5 A                             | Crane           | 50821     |
| 00003H01HXC                             | SFCS28-461/HH                       | 1          | FILTER, EMI, 5 A                             | Crane           | 50821     |
| 00003H01KXC                             | SFCS28-461/KH                       | 1          | FILTER, EMI, 5 A                             | Crane           | 50821     |
| 5962-0050201KXC                         | ACT8500-S                           | 1          | ANALOG MULTIPLEXER, 64 CHANNEL, HYBRID       | Aeroflex        | 88379     |
| 5962-0050202KXC                         | ACT8501-S                           | 1          | ANALOG MULTIPLEXER, 64 CHANNEL, HYBRID       | Aeroflex        | 88379     |
| 5962-0052201HYA                         | MGA2805D/883                        | 1          | DC/DC CONVERTER, 5 W, +/-5 V OUTPUTS, HYBRID | Crane           | 50821     |
| 5962-0052201HYC                         | MGA2805D/883                        | 1          | DC/DC CONVERTER, 5 W, +/-5 V OUTPUTS, HYBRID | Crane           | 50821     |
| 5962-0052201HZA                         | MGA2805DZ/883                       | 1          | DC/DC CONVERTER, 5 W, +/-5 V OUTPUTS, HYBRID | Crane           | 50821     |
| 5962-0052201HXC                         | MSA2805D/883                        | 1          | DC/DC CONVERTER, 5 W, +/-5 V OUTPUTS, HYBRID | Crane           | 50821     |
| 5962-0052201HXA                         | MSA2805D/883                        | 1          | DC/DC CONVERTER, 5 W, +/-5 V OUTPUTS, HYBRID | Crane           | 50821     |
| 5962P0052202KXC                         | SMSA2805D/KP                        | 1          | DC/DC CONVERTER, 5 W, +/-5 V OUTPUTS, HYBRID | Crane           | 50821     |
| 5962P0052202KXA                         | SMSA2805D/KP                        | 1          | DC/DC CONVERTER, 5 W, +/-5 V OUTPUTS, HYBRID | Crane           | 50821     |
| 5962L0052202KXC                         | SMSA2805D/KL                        | 1          | DC/DC CONVERTER, 5 W, +/-5 V OUTPUTS, HYBRID | Crane           | 50821     |
| 5962-0052202HXC                         | SMSA2805D/HO                        | 1          | DC/DC CONVERTER, 5 W, +/-5 V OUTPUTS, HYBRID | Crane           | 50821     |
| 5962R0052202KXA                         | SMSA2805D/KR                        | 1          | DC/DC CONVERTER, 5 W, +/-5 V OUTPUTS, HYBRID | Crane           | 50821     |
| 5962L0052202KXA                         | SMSA2805D/KL                        | 1          | DC/DC CONVERTER, 5 W, +/-5 V OUTPUTS, HYBRID | Crane           | 50821     |
| 5962R0052202HXC                         | SMSA2805D/HR                        | 1          | DC/DC CONVERTER, 5 W, +/-5 V OUTPUTS, HYBRID | Crane           | 50821     |
| 5962R0052202HXA                         | SMSA2805D/HR                        | 1          | DC/DC CONVERTER, 5 W, +/-5 V OUTPUTS, HYBRID | Crane           | 50821     |
| 5962R0052202KXC                         | SMSA2805D/KR                        | 1          | DC/DC CONVERTER, 5 W, +/-5 V OUTPUTS, HYBRID | Crane           | 50821     |
| 5962P0052202HXA                         | SMSA2805D/HP                        | 1          | DC/DC CONVERTER, 5 W, +/-5 V OUTPUTS, HYBRID | Crane           | 50821     |
| 5962L0052202HXC                         | SMSA2805D/HL                        | 1          | DC/DC CONVERTER, 5 W, +/-5 V OUTPUTS, HYBRID | Crane           | 50821     |
| 5962-0052202HXA                         | SMSA2805D/HO                        | 1          | DC/DC CONVERTER, 5 W, +/-5 V OUTPUTS, HYBRID | Crane           | 50821     |
| 5962L0052202HXA                         | SMSA2805D/HL                        | 1          | DC/DC CONVERTER, 5 W, +/-5 V OUTPUTS, HYBRID | Crane           | 50821     |
| 5962P0052202HXC                         | SMSA2805D/HP                        | 1          | DC/DC CONVERTER, 5 W, +/-5 V OUTPUTS, HYBRID | Crane           | 50821     |
| 5962L0052601KXC                         | SLH2805S/KL                         | 1          | DC/DC CONVERTER, 1.5 W, 5 V OUTPUT, HYBRID   | Crane           | 50821     |
| 5962R0052601KXA                         | SLH2805S/KR                         | 1          | DC/DC CONVERTER, 1.5 W, 5 V OUTPUT, HYBRID   | Crane           | 50821     |
| 5962R0052601KXC                         | SLH2805S/KR                         | 1          | DC/DC CONVERTER, 1.5 W, 5 V OUTPUT, HYBRID   | Crane           | 50821     |
| 5962L0052601KXA                         | SLH2805S/KL                         | 1          | DC/DC CONVERTER, 1.5 W, 5 V OUTPUT, HYBRID   | Crane           | 50821     |
| 5962R0052601HXC                         | SLH2805S/HR                         | 1          | DC/DC CONVERTER, 1.5 W, 5 V OUTPUT, HYBRID   | Crane           | 50821     |
| 5962R0052601HXA                         | SLH2805S/HR                         | 1          | DC/DC CONVERTER, 1.5 W, 5 V OUTPUT, HYBRID   | Crane           | 50821     |
| 5962-0052601HXC                         | SLH2805S/HO                         | 1          | DC/DC CONVERTER, 1.5 W, 5 V OUTPUT, HYBRID   | Crane           | 50821     |
| 5962-0052601HXA                         | SLH2805S/HO                         | 1          | DC/DC CONVERTER, 1.5 W, 5 V OUTPUT, HYBRID   | Crane           | 50821     |
| 5962L0052601HXC                         | SLH2805S/HL                         | 1          | DC/DC CONVERTER, 1.5 W, 5 V OUTPUT, HYBRID   | Crane           | 50821     |
| 5962L0052601HXA                         | SLH2805S/HL                         | 1          | DC/DC CONVERTER, 1.5 W, 5 V OUTPUT, HYBRID   | Crane           | 50821     |
| 5962R0052701KXA                         | SLH2812S/KR                         | 1          | DC/DC CONVERTER, 1.5 W, 12 V OUTPUT          | Crane           | 50821     |
| 5962L0052701HXC                         | SLH2812S/HL                         | 1          | DC/DC CONVERTER, 1.5 W, 12 V OUTPUT          | Crane           | 50821     |
| 5962-0052701HXA                         | SLH2812S/HO                         | 1          | DC/DC CONVERTER, 1.5 W, 12 V OUTPUT          | Crane           | 50821     |
| 5962-0052701HXC                         | SLH2812S/HO                         | 1          | DC/DC CONVERTER, 1.5 W, 12 V OUTPUT          | Crane           | 50821     |
| 5962R0052701HXA                         | SLH2812S/HR                         | 1          | DC/DC CONVERTER, 1.5 W, 12 V OUTPUT          | Crane           | 50821     |
| 5962R0052701HXC                         | SLH2812S/HR                         | 1          | DC/DC CONVERTER, 1.5 W, 12 V OUTPUT          | Crane           | 50821     |
| 5962L0052701KXA                         | SLH2812S/KL                         | 1          | DC/DC CONVERTER, 1.5 W, 12 V OUTPUT          | Crane           | 50821     |



Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description   | Approved Source | CAGE Code |
| 5962L0052701KXC                         | SLH2812S/KL                         | 1          | DC/DC CONVERTER, 1.5 W, 12 V OUTPUT  | Crane           | 50821     |
| 5962R0052701KXC                         | SLH2812S/KR                         | 1          | DC/DC CONVERTER, 1.5 W, 12 V OUTPUT  | Crane           | 50821     |
| 5962L0052701HXA                         | SLH2812S/HL                         | 1          | DC/DC CONVERTER, 1.5 W, 12 V OUTPUT  | Crane           | 50821     |
| 5962R0052801KXA                         | SLH2815S/KR                         | 1          | DC/DC CONVERTER, 1.5 W, 15 V OUTPUT  | Crane           | 50821     |
| 5962-0052801HXC                         | SLH2815S/HO                         | 1          | DC/DC CONVERTER, 1.5 W, 15 V OUTPUT  | Crane           | 50821     |
| 5962-0052801HXA                         | SLH2815S/HO                         | 1          | DC/DC CONVERTER, 1.5 W, 15 V OUTPUT  | Crane           | 50821     |
| 5962R0052801HXA                         | SLH2815S/HR                         | 1          | DC/DC CONVERTER, 1.5 W, 15 V OUTPUT  | Crane           | 50821     |
| 5962R0052801HXC                         | SLH2815S/HR                         | 1          | DC/DC CONVERTER, 1.5 W, 15 V OUTPUT  | Crane           | 50821     |
| 5962L0052801KXA                         | SLH2815S/KL                         | 1          | DC/DC CONVERTER, 1.5 W, 15 V OUTPUT  | Crane           | 50821     |
| 5962L0052801KXC                         | SLH2815S/KL                         | 1          | DC/DC CONVERTER, 1.5 W, 15 V OUTPUT  | Crane           | 50821     |
| 5962R0052801KXC                         | SLH2815S/KR                         | 1          | DC/DC CONVERTER, 1.5 W, 15 V OUTPUT  | Crane           | 50821     |
| 5962L0052801HXA                         | SLH2815S/HL                         | 1          | DC/DC CONVERTER, 1.5 W, 15 V OUTPUT  | Crane           | 50821     |
| 5962L0052801HXC                         | SLH2815S/HL                         | 1          | DC/DC CONVERTER, 1.5 W, 15 V OUTPUT  | Crane           | 50821     |
| 5962-0054101HGC                         | MSK1476H                            | 1          | OP AMP   | MSK             | 51651     |
| 5962-0054101HGA                         | MSK1476H                            | 1          | OP AMP   | MSK             | 51651     |
| 5962-0150101HZC                         | MTR283R3SF/883                      | 1          | DC/DC CONVERTER, 20 W, +3.3 V OUTPUT, HYBRID                                     | Crane           | 50821     |
| 5962-0150101HXA                         | MTR283R3S/883                       | 1          | DC/DC CONVERTER, 20 W, +3.3 V OUTPUT, HYBRID                                     | Crane           | 50821     |
| 5962-0150101HZA                         | MTR283R3SF/883                      | 1          | DC/DC CONVERTER, 20 W, +3.3 V OUTPUT, HYBRID                                     | Crane           | 50821     |
| 5962-0150101HXC                         | MTR283R3S/883                       | 1          | DC/DC CONVERTER, 20 W, +3.3 V OUTPUT, HYBRID                                     | Crane           | 50821     |
| 5962P0150102HXA                         | SMTR283R3S/HP                       | 1          | DC/DC CONVERTER, 18 W, +3.3 V OUTPUT, HYBRID                                     | Crane           | 50821     |
| 5962-0150102HXA                         | SMTR283R3S/HO                       | 1          | DC/DC CONVERTER, 18 W, +3.3 V OUTPUT, HYBRID                                     | Crane           | 50821     |
| 5962P0150102HZC                         | SMTR283R3SF/HP                      | 1          | DC/DC CONVERTER, 18 W, +3.3 V OUTPUT, HYBRID                                     | Crane           | 50821     |
| 5962R0150102HZA                         | SMTR283R3SF/HR                      | 1          | DC/DC CONVERTER, 18 W, +3.3 V OUTPUT, HYBRID                                     | Crane           | 50821     |
| 5962P0150102KZA                         | SMTR283R3SF/KP                      | 1          | DC/DC CONVERTER, 18 W, +3.3 V OUTPUT, HYBRID                                     | Crane           | 50821     |
| 5962R0150102HXC                         | SMTR283R3S/HR                       | 1          | DC/DC CONVERTER, 18 W, +3.3 V OUTPUT, HYBRID                                     | Crane           | 50821     |
| 5962P0150102KZC                         | SMTR283R3SF/KP                      | 1          | DC/DC CONVERTER, 18 W, +3.3 V OUTPUT, HYBRID                                     | Crane           | 50821     |
| 5962R0150102KZA                         | SMTR283R3SF/KR                      | 1          | DC/DC CONVERTER, 18 W, +3.3 V OUTPUT, HYBRID                                     | Crane           | 50821     |
| 5962R0150102HZC                         | SMTR283R3SF/HR                      | 1          | DC/DC CONVERTER, 18 W, +3.3 V OUTPUT, HYBRID                                     | Crane           | 50821     |
| 5962P0150102KXC                         | SMTR283R3S/KP                       | 1          | DC/DC CONVERTER, 18 W, +3.3 V OUTPUT, HYBRID                                     | Crane           | 50821     |
| 5962R0150102KZC                         | SMTR283R3SF/KR                      | 1          | DC/DC CONVERTER, 18 W, +3.3 V OUTPUT, HYBRID                                     | Crane           | 50821     |
| 5962-0150102HZA                         | SMTR283R3SF/HO                      | 1          | DC/DC CONVERTER, 18 W, +3.3 V OUTPUT, HYBRID                                     | Crane           | 50821     |
| 5962-0150102HZC                         | SMTR283R3SF/HO                      | 1          | DC/DC CONVERTER, 18 W, +3.3 V OUTPUT, HYBRID                                     | Crane           | 50821     |
| 5962P0150102HZA                         | SMTR283R3SF/HP                      | 1          | DC/DC CONVERTER, 18 W, +3.3 V OUTPUT, HYBRID                                     | Crane           | 50821     |
| 5962P0150102KXA                         | SMTR283R3S/KP                       | 1          | DC/DC CONVERTER, 18 W, +3.3 V OUTPUT, HYBRID                                     | Crane           | 50821     |
| 5962-0150102HXC                         | SMTR283R3S/HO                       | 1          | DC/DC CONVERTER, 18 W, +3.3 V OUTPUT, HYBRID                                     | Crane           | 50821     |
| 5962P0150102HXC                         | SMTR283R3S/HP                       | 1          | DC/DC CONVERTER, 18 W, +3.3 V OUTPUT, HYBRID                                     | Crane           | 50821     |
| 5962R0150102KXA                         | SMTR283R3S/KR                       | 1          | DC/DC CONVERTER, 18 W, +3.3 V OUTPUT, HYBRID                                     | Crane           | 50821     |
| 5962L0150102HZC                         | SMTR283R3SF/HL                      | 1          | DC/DC CONVERTER, 18 W, +3.3 V OUTPUT, HYBRID                                     | Crane           | 50821     |
| 5962L0150102HZA                         | SMTR283R3SF/HL                      | 1          | DC/DC CONVERTER, 18 W, +3.3 V OUTPUT, HYBRID                                     | Crane           | 50821     |
| 5962R0150102HXA                         | SMTR283R3S/HR                       | 1          | DC/DC CONVERTER, 18 W, +3.3 V OUTPUT, HYBRID                                     | Crane           | 50821     |
| 5962R0150102KXC                         | SMTR283R3S/KR                       | 1          | DC/DC CONVERTER, 18 W, +3.3 V OUTPUT, HYBRID                                     | Crane           | 50821     |
| 5962-0150301HXC                         | MSK1665H                            | 1          | FIELD EFFECT TRANSISTOR, 600 V, N-CHANNEL WITH GATE PROTECTION CIRCUITRY, HYBRID | MSK             | 51651     |
| 5962-0150302HXC                         | MSK1666H                            | 1          | FIELD EFFECT TRANSISTOR, 500 V, N-CHANNEL WITH GATE PROTECTION CIRCUITRY, HYBRID | MSK             | 51651     |
| 5962-0150401HXC                         | MSK1667H                            | 1          | FIELD EFFECT TRANSISTOR, N-CHANNEL WITH GATE PROTECTION CIRCUITRY, HYBRID        | MSK             | 51651     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |   |                 |           |
|---|-------------------------------------|------------|---|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description  | Approved Source | CAGE Code |
| 5962-0151401HTC                         | BU-61865F3-130                      | 1          | MIL-STD-1553, BC/RT/MT, 64K RAM, +5 V TRANSCEIVER, +5 V LOGIC                   | DDC             | 19645     |
| 5962-0151401HTA                         | BU-61865F3-140                      | 1          | MIL-STD-1553, BC/RT/MT, 64K RAM, +5 V TRANSCEIVER, +5 V LOGIC                   | DDC             | 19645     |
| 5962-0151401HMA                         | BU-61865G3-150                      | 1          | MIL-STD-1553, BC/RT/MT, 64K RAM, +5 V TRANSCEIVER, +5 V LOGIC                   | DDC             | 19645     |
| 5962-0151401HMA                         | BU-61865G3-140                      | 1          | MIL-STD-1553, BC/RT/MT, 64K RAM, +5 V TRANSCEIVER, +5 V LOGIC                   | DDC             | 19645     |
| 5962-0151401HMC                         | BU-61865G3-130                      | 1          | MIL-STD-1553, BC/RT/MT, 64K RAM, +5 V TRANSCEIVER, +5 V LOGIC                   | DDC             | 19645     |
| 5962-0151401HMC                         | BU-61865G3-110                      | 1          | MIL-STD-1553, BC/RT/MT, 64K RAM, +5 V TRANSCEIVER, +5 V LOGIC                   | DDC             | 19645     |
| 5962-0151401HTA                         | BU-61865F3-150                      | 1          | MIL-STD-1553, BC/RT/MT, 64K RAM, +5 V TRANSCEIVER, +5 V LOGIC                   | DDC             | 19645     |
| 5962-0151401HTC                         | BU-61865F3-110                      | 1          | MIL-STD-1553, BC/RT/MT, 64K RAM, +5 V TRANSCEIVER, +5 V LOGIC                   | DDC             | 19645     |
| 5962-0151402HTA                         | BU-61865F4-150                      | 1          | MIL-STD-1553, BC/RT/MT, 64K RAM, +5 V TRANSCEIVER, +5 V LOGIC, McAIR COMPATIBLE | DDC             | 19645     |
| 5962-0151402HMA                         | BU-61865G4-150                      | 1          | MIL-STD-1553, BC/RT/MT, 64K RAM, +5 V TRANSCEIVER, +5 V LOGIC, McAIR COMPATIBLE | DDC             | 19645     |
| 5962-0151402HTC                         | BU-61865F4-110                      | 1          | MIL-STD-1553, BC/RT/MT, 64K RAM, +5 V TRANSCEIVER, +5 V LOGIC, McAIR COMPATIBLE | DDC             | 19645     |
| 5962-0151402HTC                         | BU-61865F4-130                      | 1          | MIL-STD-1553, BC/RT/MT, 64K RAM, +5 V TRANSCEIVER, +5 V LOGIC, McAIR COMPATIBLE | DDC             | 19645     |
| 5962-0151402HTA                         | BU-61865F4-140                      | 1          | MIL-STD-1553, BC/RT/MT, 64K RAM, +5 V TRANSCEIVER, +5 V LOGIC, McAIR COMPATIBLE | DDC             | 19645     |
| 5962-0151402HMC                         | BU-61865G4-110                      | 1          | MIL-STD-1553, BC/RT/MT, 64K RAM, +5 V TRANSCEIVER, +5 V LOGIC, McAIR COMPATIBLE | DDC             | 19645     |
| 5962-0151402HMC                         | BU-61865G4-130                      | 1          | MIL-STD-1553, BC/RT/MT, 64K RAM, +5 V TRANSCEIVER, +5 V LOGIC, McAIR COMPATIBLE | DDC             | 19645     |
| 5962-0151402HMA                         | BU-61865G4-140                      | 1          | MIL-STD-1553, BC/RT/MT, 64K RAM, +5 V TRANSCEIVER, +5 V LOGIC, McAIR COMPATIBLE | DDC             | 19645     |
| 5962-0151403HMA                         | BU-61864G3-150                      | 1          | MIL-STD-1553, BC/RT/MT, 64K RAM, +5 V TRANSCEIVER, +3.3 V AND +5 V LOGIC        | DDC             | 19645     |
| 5962-0151403HTA                         | BU-61864F3-140                      | 1          | MIL-STD-1553, BC/RT/MT, 64K RAM, +5 V TRANSCEIVER, +3.3 V AND +5 V LOGIC        | DDC             | 19645     |
| 5962-0151403HTC                         | BU-61864F3-130                      | 1          | MIL-STD-1553, BC/RT/MT, 64K RAM, +5 V TRANSCEIVER, +3.3 V AND +5 V LOGIC        | DDC             | 19645     |
| 5962-0151403HMC                         | BU-61864G3-110                      | 1          | MIL-STD-1553, BC/RT/MT, 64K RAM, +5 V TRANSCEIVER, +3.3 V AND +5 V LOGIC        | DDC             | 19645     |
| 5962-0151403HMC                         | BU-61864G3-130                      | 1          | MIL-STD-1553, BC/RT/MT, 64K RAM, +5 V TRANSCEIVER, +3.3 V AND +5 V LOGIC        | DDC             | 19645     |
| 5962-0151403HMA                         | BU-61864G3-140                      | 1          | MIL-STD-1553, BC/RT/MT, 64K RAM, +5 V TRANSCEIVER, +3.3 V AND +5 V LOGIC        | DDC             | 19645     |
| 5962-0151403HTC                         | BU-61864F3-110                      | 1          | MIL-STD-1553, BC/RT/MT, 64K RAM, +5 V TRANSCEIVER, +3.3 V AND +5 V LOGIC        | DDC             | 19645     |
| 5962-0151403HTA                         | BU-61864F3-150                      | 1          | MIL-STD-1553, BC/RT/MT, 64K RAM, +5 V TRANSCEIVER, +3.3 V AND +5 V LOGIC        | DDC             | 19645     |
| 5962-0151404HTC                         | BU-61864F4-110                      | 1          | MIL-STD-1553, BC/RT/MT, 64K RAM, +5 V TRANSCEIVER, +3.3 V AND +5 V LOGIC, McAIR | DDC             | 19645     |
| 5962-0151404HMA                         | BU-61864G4-140                      | 1          | MIL-STD-1553, BC/RT/MT, 64K RAM, +5 V TRANSCEIVER, +3.3 V AND +5 V LOGIC, McAIR | DDC             | 19645     |
| 5962-0151404HMC                         | BU-61864G4-110                      | 1          | MIL-STD-1553, BC/RT/MT, 64K RAM, +5 V TRANSCEIVER, +3.3 V AND +5 V LOGIC, McAIR | DDC             | 19645     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |   |                 |           |
|---|-------------------------------------|------------|---|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description  | Approved Source | CAGE Code |
| 5962-0151404HTA                         | BU-61864F4-150                      | 1          | MIL-STD-1553, BC/RT/MT, 64K RAM, +5 V TRANSCEIVER, +3.3 V AND +5 V LOGIC, McAIR | DDC             | 19645     |
| 5962-0151404HTA                         | BU-61864F4-140                      | 1          | MIL-STD-1553, BC/RT/MT, 64K RAM, +5 V TRANSCEIVER, +3.3 V AND +5 V LOGIC, McAIR | DDC             | 19645     |
| 5962-0151404HTC                         | BU-61864F4-130                      | 1          | MIL-STD-1553, BC/RT/MT, 64K RAM, +5 V TRANSCEIVER, +3.3 V AND +5 V LOGIC, McAIR | DDC             | 19645     |
| 5962-0151404HMA                         | BU-61864G4-150                      | 1          | MIL-STD-1553, BC/RT/MT, 64K RAM, +5 V TRANSCEIVER, +3.3 V AND +5 V LOGIC, McAIR | DDC             | 19645     |
| 5962-0151404HMC                         | BU-61864G4-130                      | 1          | MIL-STD-1553, BC/RT/MT, 64K RAM, +5 V TRANSCEIVER, +3.3 V AND +5 V LOGIC, McAIR | DDC             | 19645     |
| 5962-0151405HTC                         | BU-61745F3-110                      | 1          | MIL-STD-1553, RT, 4K RAM, +5 V TRANSCEIVER, +5 V LOGIC                          | DDC             | 19645     |
| 5962-0151405HTC                         | BU-61745F3-130                      | 1          | MIL-STD-1553, RT, 4K RAM, +5 V TRANSCEIVER, +5 V LOGIC                          | DDC             | 19645     |
| 5962-0151405HTA                         | BU-61745F3-140                      | 1          | MIL-STD-1553, RT, 4K RAM, +5 V TRANSCEIVER, +5 V LOGIC                          | DDC             | 19645     |
| 5962-0151405HTA                         | BU-61745F3-150                      | 1          | MIL-STD-1553, RT, 4K RAM, +5 V TRANSCEIVER, +5 V LOGIC                          | DDC             | 19645     |
| 5962-0151405HMC                         | BU-61745G3-110                      | 1          | MIL-STD-1553, RT, 4K RAM, +5 V TRANSCEIVER, +5 V LOGIC                          | DDC             | 19645     |
| 5962-0151405HMA                         | BU-61745G3-150                      | 1          | MIL-STD-1553, RT, 4K RAM, +5 V TRANSCEIVER, +5 V LOGIC                          | DDC             | 19645     |
| 5962-0151405HMC                         | BU-61745G3-130                      | 1          | MIL-STD-1553, RT, 4K RAM, +5 V TRANSCEIVER, +5 V LOGIC                          | DDC             | 19645     |
| 5962-0151405HMA                         | BU-61745G3-140                      | 1          | MIL-STD-1553, RT, 4K RAM, +5 V TRANSCEIVER, +5 V LOGIC                          | DDC             | 19645     |
| 5962-0151406HMA                         | BU-61745G4-140                      | 1          | MIL-STD-1553, RT, 4K RAM, +5 V TRANSCEIVER, +5 V LOGIC, McAIR COMPATIBLE        | DDC             | 19645     |
| 5962-0151406HMC                         | BU-61745G4-130                      | 1          | MIL-STD-1553, RT, 4K RAM, +5 V TRANSCEIVER, +5 V LOGIC, McAIR COMPATIBLE        | DDC             | 19645     |
| 5962-0151406HMC                         | BU-61745G4-110                      | 1          | MIL-STD-1553, RT, 4K RAM, +5 V TRANSCEIVER, +5 V LOGIC, McAIR COMPATIBLE        | DDC             | 19645     |
| 5962-0151406HTA                         | BU-61745F4-150                      | 1          | MIL-STD-1553, RT, 4K RAM, +5 V TRANSCEIVER, +5 V LOGIC, McAIR COMPATIBLE        | DDC             | 19645     |
| 5962-0151406HTA                         | BU-61745F4-140                      | 1          | MIL-STD-1553, RT, 4K RAM, +5 V TRANSCEIVER, +5 V LOGIC, McAIR COMPATIBLE        | DDC             | 19645     |
| 5962-0151406HTC                         | BU-61745F4-130                      | 1          | MIL-STD-1553, RT, 4K RAM, +5 V TRANSCEIVER, +5 V LOGIC, McAIR COMPATIBLE        | DDC             | 19645     |
| 5962-0151406HTC                         | BU-61745F4-110                      | 1          | MIL-STD-1553, RT, 4K RAM, +5 V TRANSCEIVER, +5 V LOGIC, McAIR COMPATIBLE        | DDC             | 19645     |
| 5962-0151406HMA                         | BU-61745G4-150                      | 1          | MIL-STD-1553, RT, 4K RAM, +5 V TRANSCEIVER, +5 V LOGIC, McAIR COMPATIBLE        | DDC             | 19645     |
| 5962-0151407HMA                         | BU-61743G3-140                      | 1          | MIL-STD-1553, RT, 4K RAM, +5 V TRANSCEIVER, +3.3 V LOGIC                        | DDC             | 19645     |
| 5962-0151407HMA                         | BU-61743G3-150                      | 1          | MIL-STD-1553, RT, 4K RAM, +5 V TRANSCEIVER, +3.3 V LOGIC                        | DDC             | 19645     |
| 5962-0151407HTA                         | BU-61743F3-150                      | 1          | MIL-STD-1553, RT, 4K RAM, +5 V TRANSCEIVER, +3.3 V LOGIC                        | DDC             | 19645     |
| 5962-0151407HMC                         | BU-61743G3-130                      | 1          | MIL-STD-1553, RT, 4K RAM, +5 V TRANSCEIVER, +3.3 V LOGIC                        | DDC             | 19645     |
| 5962-0151407HMC                         | BU-61743G3-110                      | 1          | MIL-STD-1553, RT, 4K RAM, +5 V TRANSCEIVER, +3.3 V LOGIC                        | DDC             | 19645     |
| 5962-0151407HTA                         | BU-61743F3-140                      | 1          | MIL-STD-1553, RT, 4K RAM, +5 V TRANSCEIVER, +3.3 V LOGIC                        | DDC             | 19645     |
| 5962-0151407HTC                         | BU-61743F3-130                      | 1          | MIL-STD-1553, RT, 4K RAM, +5 V TRANSCEIVER, +3.3 V LOGIC                        | DDC             | 19645     |
| 5962-0151407HTC                         | BU-61743F3-110                      | 1          | MIL-STD-1553, RT, 4K RAM, +5 V TRANSCEIVER, +3.3 V LOGIC                        | DDC             | 19645     |
| 5962-0151408HMC                         | BU-61743G4-130                      | 1          | MIL-STD-1553, RT, 4K RAM, +5 V TRANSCEIVER, +3.3 V LOGIC, McAIR COMPATIBLE      | DDC             | 19645     |
| 5962-0151408HMA                         | BU-61743G4-140                      | 1          | MIL-STD-1553, RT, 4K RAM, +5 V TRANSCEIVER, +3.3 V LOGIC, McAIR COMPATIBLE      | DDC             | 19645     |

**Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing**

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**DLA Land and Maritime - VQ**

**Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH**

**Approved Source Master Product Listing**

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description   | Approved Source | CAGE Code |
| 5962-0151408HMA                         | BU-61743G4-150                      | 1          | MIL-STD-1553, RT, 4K RAM, +5 V TRANSCEIVER, +3.3 V LOGIC, McAIR COMPATIBLE     | DDC             | 19645     |
| 5962-0151408HTA                         | BU-61743F4-150                      | 1          | MIL-STD-1553, RT, 4K RAM, +5 V TRANSCEIVER, +3.3 V LOGIC, McAIR COMPATIBLE     | DDC             | 19645     |
| 5962-0151408HTA                         | BU-61743F4-140                      | 1          | MIL-STD-1553, RT, 4K RAM, +5 V TRANSCEIVER, +3.3 V LOGIC, McAIR COMPATIBLE     | DDC             | 19645     |
| 5962-0151408HTC                         | BU-61743F4-130                      | 1          | MIL-STD-1553, RT, 4K RAM, +5 V TRANSCEIVER, +3.3 V LOGIC, McAIR COMPATIBLE     | DDC             | 19645     |
| 5962-0151408HMC                         | BU-61743G4-110                      | 1          | MIL-STD-1553, RT, 4K RAM, +5 V TRANSCEIVER, +3.3 V LOGIC, McAIR COMPATIBLE     | DDC             | 19645     |
| 5962-0151408HTC                         | BU-61743F4-110                      | 1          | MIL-STD-1553, RT, 4K RAM, +5 V TRANSCEIVER, +3.3 V LOGIC, McAIR COMPATIBLE     | DDC             | 19645     |
| 5962-0151409HMA                         | BU-61705G3-140                      | 1          | MIL-STD-1553, SIMPLE SYSTEM RT, +5 V TRANSCEIVER, +5 V LOGIC                   | DDC             | 19645     |
| 5962-0151409HTC                         | BU-61705F3-110                      | 1          | MIL-STD-1553, SIMPLE SYSTEM RT, +5 V TRANSCEIVER, +5 V LOGIC                   | DDC             | 19645     |
| 5962-0151409HTC                         | BU-61705F3-130                      | 1          | MIL-STD-1553, SIMPLE SYSTEM RT, +5 V TRANSCEIVER, +5 V LOGIC                   | DDC             | 19645     |
| 5962-0151409HTA                         | BU-61705F3-140                      | 1          | MIL-STD-1553, SIMPLE SYSTEM RT, +5 V TRANSCEIVER, +5 V LOGIC                   | DDC             | 19645     |
| 5962-0151409HTA                         | BU-61705F3-150                      | 1          | MIL-STD-1553, SIMPLE SYSTEM RT, +5 V TRANSCEIVER, +5 V LOGIC                   | DDC             | 19645     |
| 5962-0151409HMC                         | BU-61705G3-130                      | 1          | MIL-STD-1553, SIMPLE SYSTEM RT, +5 V TRANSCEIVER, +5 V LOGIC                   | DDC             | 19645     |
| 5962-0151409HMA                         | BU-61705G3-150                      | 1          | MIL-STD-1553, SIMPLE SYSTEM RT, +5 V TRANSCEIVER, +5 V LOGIC                   | DDC             | 19645     |
| 5962-0151409HMC                         | BU-61705G3-110                      | 1          | MIL-STD-1553, SIMPLE SYSTEM RT, +5 V TRANSCEIVER, +5 V LOGIC                   | DDC             | 19645     |
| 5962-0151410HTA                         | BU-61705F4-140                      | 1          | MIL-STD-1553, SIMPLE SYSTEM RT, +5 V TRANSCEIVER, +5 V LOGIC, McAIR COMPATIBLE | DDC             | 19645     |
| 5962-0151410HTC                         | BU-61705F4-130                      | 1          | MIL-STD-1553, SIMPLE SYSTEM RT, +5 V TRANSCEIVER, +5 V LOGIC, McAIR COMPATIBLE | DDC             | 19645     |
| 5962-0151410HTA                         | BU-61705F4-150                      | 1          | MIL-STD-1553, SIMPLE SYSTEM RT, +5 V TRANSCEIVER, +5 V LOGIC, McAIR COMPATIBLE | DDC             | 19645     |
| 5962-0151410HMC                         | BU-61705G4-110                      | 1          | MIL-STD-1553, SIMPLE SYSTEM RT, +5 V TRANSCEIVER, +5 V LOGIC, McAIR COMPATIBLE | DDC             | 19645     |
| 5962-0151410HMC                         | BU-61705G4-130                      | 1          | MIL-STD-1553, SIMPLE SYSTEM RT, +5 V TRANSCEIVER, +5 V LOGIC, McAIR COMPATIBLE | DDC             | 19645     |
| 5962-0151410HMA                         | BU-61705G4-140                      | 1          | MIL-STD-1553, SIMPLE SYSTEM RT, +5 V TRANSCEIVER, +5 V LOGIC, McAIR COMPATIBLE | DDC             | 19645     |
| 5962-0151410HMA                         | BU-61705G4-150                      | 1          | MIL-STD-1553, SIMPLE SYSTEM RT, +5 V TRANSCEIVER, +5 V LOGIC, McAIR COMPATIBLE | DDC             | 19645     |
| 5962-0151410HTC                         | BU-61705F4-110                      | 1          | MIL-STD-1553, SIMPLE SYSTEM RT, +5 V TRANSCEIVER, +5 V LOGIC, McAIR COMPATIBLE | DDC             | 19645     |
| 5962-0151411HTC                         | BU-61703F3-110                      | 1          | MIL-STD-1553, SIMPLE SYSTEM RT, +5 V TRANSCEIVER, +3.3 V LOGIC                 | DDC             | 19645     |
| 5962-0151411HTC                         | BU-61703F3-130                      | 1          | MIL-STD-1553, SIMPLE SYSTEM RT, +5 V TRANSCEIVER, +3.3 V LOGIC                 | DDC             | 19645     |
| 5962-0151411HTA                         | BU-61703F3-140                      | 1          | MIL-STD-1553, SIMPLE SYSTEM RT, +5 V TRANSCEIVER, +3.3 V LOGIC                 | DDC             | 19645     |
| 5962-0151411HTA                         | BU-61703F3-150                      | 1          | MIL-STD-1553, SIMPLE SYSTEM RT, +5 V TRANSCEIVER, +3.3 V LOGIC                 | DDC             | 19645     |
| 5962-0151411HMA                         | BU-61703G3-150                      | 1          | MIL-STD-1553, SIMPLE SYSTEM RT, +5 V TRANSCEIVER, +3.3 V LOGIC                 | DDC             | 19645     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description   | Approved Source | CAGE Code |
| 5962-0151411HMC                         | BU-61703G3-110                      | 1          | MIL-STD-1553, SIMPLE SYSTEM RT, +5 V TRANSCEIVER, +3.3 V LOGIC                   | DDC             | 19645     |
| 5962-0151411HMC                         | BU-61703G3-130                      | 1          | MIL-STD-1553, SIMPLE SYSTEM RT, +5 V TRANSCEIVER, +3.3 V LOGIC                   | DDC             | 19645     |
| 5962-0151411HMA                         | BU-61703G3-140                      | 1          | MIL-STD-1553, SIMPLE SYSTEM RT, +5 V TRANSCEIVER, +3.3 V LOGIC                   | DDC             | 19645     |
| 5962-0151412HMA                         | BU-61703G4-140                      | 1          | MIL-STD-1553, SIMPLE SYSTEM RT, +5 V TRANSCEIVER, +3.3 V LOGIC, McAIR COMPATIBLE | DDC             | 19645     |
| 5962-0151412HMC                         | BU-61703G4-130                      | 1          | MIL-STD-1553, SIMPLE SYSTEM RT, +5 V TRANSCEIVER, +3.3 V LOGIC, McAIR COMPATIBLE | DDC             | 19645     |
| 5962-0151412HMC                         | BU-61703G4-110                      | 1          | MIL-STD-1553, SIMPLE SYSTEM RT, +5 V TRANSCEIVER, +3.3 V LOGIC, McAIR COMPATIBLE | DDC             | 19645     |
| 5962-0151412HTA                         | BU-61703F4-150                      | 1          | MIL-STD-1553, SIMPLE SYSTEM RT, +5 V TRANSCEIVER, +3.3 V LOGIC, McAIR COMPATIBLE | DDC             | 19645     |
| 5962-0151412HTA                         | BU-61703F4-140                      | 1          | MIL-STD-1553, SIMPLE SYSTEM RT, +5 V TRANSCEIVER, +3.3 V LOGIC, McAIR COMPATIBLE | DDC             | 19645     |
| 5962-0151412HTC                         | BU-61703F4-130                      | 1          | MIL-STD-1553, SIMPLE SYSTEM RT, +5 V TRANSCEIVER, +3.3 V LOGIC, McAIR COMPATIBLE | DDC             | 19645     |
| 5962-0151412HTC                         | BU-61703F4-110                      | 1          | MIL-STD-1553, SIMPLE SYSTEM RT, +5 V TRANSCEIVER, +3.3 V LOGIC, McAIR COMPATIBLE | DDC             | 19645     |
| 5962-0151412HMA                         | BU-61703G4-150                      | 1          | MIL-STD-1553, SIMPLE SYSTEM RT, +5 V TRANSCEIVER, +3.3 V LOGIC, McAIR COMPATIBLE | DDC             | 19645     |
| 5962-0151413HMA                         | BU-61845G3-140                      | 1          | MIL-STD-1553, BC/RT/MT, 4K RAM, +5 V TRANSCEIVER, +5 V LOGIC                     | DDC             | 19645     |
| 5962-0151413HMC                         | BU-61845G3-130                      | 1          | MIL-STD-1553, BC/RT/MT, 4K RAM, +5 V TRANSCEIVER, +5 V LOGIC                     | DDC             | 19645     |
| 5962-0151413HMC                         | BU-61845G3-110                      | 1          | MIL-STD-1553, BC/RT/MT, 4K RAM, +5 V TRANSCEIVER, +5 V LOGIC                     | DDC             | 19645     |
| 5962-0151413HMA                         | BU-61845G3-150                      | 1          | MIL-STD-1553, BC/RT/MT, 4K RAM, +5 V TRANSCEIVER, +5 V LOGIC                     | DDC             | 19645     |
| 5962-0151413HTC                         | BU-61845F3-130                      | 1          | MIL-STD-1553, BC/RT/MT, 4K RAM, +5 V TRANSCEIVER, +5 V LOGIC                     | DDC             | 19645     |
| 5962-0151413HTC                         | BU-61845F3-110                      | 1          | MIL-STD-1553, BC/RT/MT, 4K RAM, +5 V TRANSCEIVER, +5 V LOGIC                     | DDC             | 19645     |
| 5962-0151413HTA                         | BU-61845F3-150                      | 1          | MIL-STD-1553, BC/RT/MT, 4K RAM, +5 V TRANSCEIVER, +5 V LOGIC                     | DDC             | 19645     |
| 5962-0151413HTA                         | BU-61845F3-140                      | 1          | MIL-STD-1553, BC/RT/MT, 4K RAM, +5 V TRANSCEIVER, +5 V LOGIC                     | DDC             | 19645     |
| 5962-0151414HMC                         | BU-61845G4-130                      | 1          | MIL-STD-1553, BC/RT/MT, 4K RAM, +5 V TRANSCEIVER, +5 V LOGIC, McAIR COMPATIBLE   | DDC             | 19645     |
| 5962-0151414HTC                         | BU-61845F4-130                      | 1          | MIL-STD-1553, BC/RT/MT, 4K RAM, +5 V TRANSCEIVER, +5 V LOGIC, McAIR COMPATIBLE   | DDC             | 19645     |
| 5962-0151414HMA                         | BU-61845G4-140                      | 1          | MIL-STD-1553, BC/RT/MT, 4K RAM, +5 V TRANSCEIVER, +5 V LOGIC, McAIR COMPATIBLE   | DDC             | 19645     |
| 5962-0151414HMC                         | BU-61845G4-110                      | 1          | MIL-STD-1553, BC/RT/MT, 4K RAM, +5 V TRANSCEIVER, +5 V LOGIC, McAIR COMPATIBLE   | DDC             | 19645     |
| 5962-0151414HTA                         | BU-61845F4-140                      | 1          | MIL-STD-1553, BC/RT/MT, 4K RAM, +5 V TRANSCEIVER, +5 V LOGIC, McAIR COMPATIBLE   | DDC             | 19645     |
| 5962-0151414HMA                         | BU-61845G4-150                      | 1          | MIL-STD-1553, BC/RT/MT, 4K RAM, +5 V TRANSCEIVER, +5 V LOGIC, McAIR COMPATIBLE   | DDC             | 19645     |
| 5962-0151414HTA                         | BU-61845F4-150                      | 1          | MIL-STD-1553, BC/RT/MT, 4K RAM, +5 V TRANSCEIVER, +5 V LOGIC, McAIR COMPATIBLE   | DDC             | 19645     |
| 5962-0151414HTC                         | BU-61845F4-110                      | 1          | MIL-STD-1553, BC/RT/MT, 4K RAM, +5 V TRANSCEIVER, +5 V LOGIC, McAIR COMPATIBLE   | DDC             | 19645     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description   | Approved Source | CAGE Code |
| 5962-0151415HMC                         | BU-61843G3-110                      | 1          | MIL-STD-1553, BC/RT/MT, 4K RAM, +5 V TRANSCEIVER, +3.3 V LOGIC                   | DDC             | 19645     |
| 5962-0151415HMA                         | BU-61843G3-150                      | 1          | MIL-STD-1553, BC/RT/MT, 4K RAM, +5 V TRANSCEIVER, +3.3 V LOGIC                   | DDC             | 19645     |
| 5962-0151415HMA                         | BU-61843G3-140                      | 1          | MIL-STD-1553, BC/RT/MT, 4K RAM, +5 V TRANSCEIVER, +3.3 V LOGIC                   | DDC             | 19645     |
| 5962-0151415HMC                         | BU-61843G3-130                      | 1          | MIL-STD-1553, BC/RT/MT, 4K RAM, +5 V TRANSCEIVER, +3.3 V LOGIC                   | DDC             | 19645     |
| 5962-0151415HTA                         | BU-61843F3-150                      | 1          | MIL-STD-1553, BC/RT/MT, 4K RAM, +5 V TRANSCEIVER, +3.3 V LOGIC                   | DDC             | 19645     |
| 5962-0151415HTA                         | BU-61843F3-140                      | 1          | MIL-STD-1553, BC/RT/MT, 4K RAM, +5 V TRANSCEIVER, +3.3 V LOGIC                   | DDC             | 19645     |
| 5962-0151415HTC                         | BU-61843F3-130                      | 1          | MIL-STD-1553, BC/RT/MT, 4K RAM, +5 V TRANSCEIVER, +3.3 V LOGIC                   | DDC             | 19645     |
| 5962-0151415HTC                         | BU-61843F3-110                      | 1          | MIL-STD-1553, BC/RT/MT, 4K RAM, +5 V TRANSCEIVER, +3.3 V LOGIC                   | DDC             | 19645     |
| 5962-0151416HTA                         | BU-61843F4-140                      | 1          | MIL-STD-1553, BC/RT/MT, 4K RAM, +5 V TRANSCEIVER, +3.3 V LOGIC, McAIR COMPATIBLE | DDC             | 19645     |
| 5962-0151416HTC                         | BU-61843F4-130                      | 1          | MIL-STD-1553, BC/RT/MT, 4K RAM, +5 V TRANSCEIVER, +3.3 V LOGIC, McAIR COMPATIBLE | DDC             | 19645     |
| 5962-0151416HMA                         | BU-61843G4-150                      | 1          | MIL-STD-1553, BC/RT/MT, 4K RAM, +5 V TRANSCEIVER, +3.3 V LOGIC, McAIR COMPATIBLE | DDC             | 19645     |
| 5962-0151416HMC                         | BU-61843G4-110                      | 1          | MIL-STD-1553, BC/RT/MT, 4K RAM, +5 V TRANSCEIVER, +3.3 V LOGIC, McAIR COMPATIBLE | DDC             | 19645     |
| 5962-0151416HMC                         | BU-61843G4-130                      | 1          | MIL-STD-1553, BC/RT/MT, 4K RAM, +5 V TRANSCEIVER, +3.3 V LOGIC, McAIR COMPATIBLE | DDC             | 19645     |
| 5962-0151416HMA                         | BU-61843G4-140                      | 1          | MIL-STD-1553, BC/RT/MT, 4K RAM, +5 V TRANSCEIVER, +3.3 V LOGIC, McAIR COMPATIBLE | DDC             | 19645     |
| 5962-0151416HTA                         | BU-61843F4-150                      | 1          | MIL-STD-1553, BC/RT/MT, 4K RAM, +5 V TRANSCEIVER, +3.3 V LOGIC, McAIR COMPATIBLE | DDC             | 19645     |
| 5962-0151416HTC                         | BU-61843F4-110                      | 1          | MIL-STD-1553, BC/RT/MT, 4K RAM, +5 V TRANSCEIVER, +3.3 V LOGIC, McAIR COMPATIBLE | DDC             | 19645     |
| 5962-0250401HXC                         | SLH2805D/HO                         | 1          | DC-DC CONVERTER, DUAL CHANNEL, 5 VOLT, HYBRID                                    | Crane           | 50821     |
| 5962R0250401HXA                         | SLH2805D/HR                         | 1          | DC-DC CONVERTER, DUAL CHANNEL, 5 VOLT, HYBRID                                    | Crane           | 50821     |
| 5962R0250401HXC                         | SLH2805D/HR                         | 1          | DC-DC CONVERTER, DUAL CHANNEL, 5 VOLT, HYBRID                                    | Crane           | 50821     |
| 5962R0250401KXA                         | SLH2805D/KR                         | 1          | DC-DC CONVERTER, DUAL CHANNEL, 5 VOLT, HYBRID                                    | Crane           | 50821     |
| 5962R0250401KXC                         | SLH2805D/KR                         | 1          | DC-DC CONVERTER, DUAL CHANNEL, 5 VOLT, HYBRID                                    | Crane           | 50821     |
| 5962-0250401HXA                         | SLH2805D/HO                         | 1          | DC-DC CONVERTER, DUAL CHANNEL, 5 VOLT, HYBRID                                    | Crane           | 50821     |
| 5962-0250502HXC                         | 52445                               | 1          | HIGH SPEED PWM CONTROLLER  | Micropac        | 31757     |
| 5962-0250502HXA                         | 52445                               | 1          | HIGH SPEED PWM CONTROLLER  | Micropac        | 31757     |
| 5962-0250503HXC                         | 52446                               | 1          | HIGH SPEED PWM CONTROLLER  | Micropac        | 31757     |
| 5962-0250503HXA                         | 52446                               | 1          | HIGH SPEED PWM CONTROLLER  | Micropac        | 31757     |
| 5962-0250601HXC                         | 52447                               | 1          | PHASE SHIFT RESONANT CONTROLLER  | Micropac        | 31757     |
| 5962-0250601HXA                         | 52447                               | 1          | PHASE SHIFT RESONANT CONTROLLER  | Micropac        | 31757     |
| 5962-0251001HZC                         | MHF+283R3SF/883                     | 1          | DC/DC CONVERTER, 8 W, 3.3 V OUTPUT, HYBRID                                       | Crane           | 50821     |
| 5962-0251001HZA                         | MHF+283R3SF/883                     | 1          | DC/DC CONVERTER, 8 W, 3.3 V OUTPUT, HYBRID                                       | Crane           | 50821     |
| 5962-0251001HXC                         | MHF+283R3S/883                      | 1          | DC/DC CONVERTER, 8 W, 3.3 V OUTPUT, HYBRID                                       | Crane           | 50821     |
| 5962-0251001HXA                         | MHF+283R3S/883                      | 1          | DC/DC CONVERTER, 8 W, 3.3 V OUTPUT, HYBRID                                       | Crane           | 50821     |
| 5962P0251002HZC                         | SMHF283R3SF/HP                      | 1          | DC/DC CONVERTER, 8 W, 3.3 V OUTPUT, HYBRID                                       | Crane           | 50821     |
| 5962D0251002KZC                         | SMHF283R3SF/KD                      | 1          | DC/DC CONVERTER, 8 W, 3.3 V OUTPUT, HYBRID                                       | Crane           | 50821     |
| 5962-0251002HZC                         | SMHF283R3SF/HO                      | 1          | DC/DC CONVERTER, 8 W, 3.3 V OUTPUT, HYBRID                                       | Crane           | 50821     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |   |                 |           |
|---|-------------------------------------|------------|---|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                          | Approved Source | CAGE Code |
| 5962D0251002HZC                         | SMHF283R3SF/HD                      | 1          | DC/DC CONVERTER, 8 W, 3.3 V OUTPUT, HYBRID        | Crane           | 50821     |
| 5962L0251002HZC                         | SMHF283R3SF/HL                      | 1          | DC/DC CONVERTER, 8 W, 3.3 V OUTPUT, HYBRID        | Crane           | 50821     |
| 5962P0251002HZA                         | SMHF283R3SF/HP                      | 1          | DC/DC CONVERTER, 8 W, 3.3 V OUTPUT, HYBRID        | Crane           | 50821     |
| 5962L0251002HZA                         | SMHF283R3SF/HL                      | 1          | DC/DC CONVERTER, 8 W, 3.3 V OUTPUT, HYBRID        | Crane           | 50821     |
| 5962R0251002HZA                         | SMHF283R3SF/HR                      | 1          | DC/DC CONVERTER, 8 W, 3.3 V OUTPUT, HYBRID        | Crane           | 50821     |
| 5962R0251002KXC                         | SMHF283R3S/KR                       | 1          | DC/DC CONVERTER, 8 W, 3.3 V OUTPUT, HYBRID        | Crane           | 50821     |
| 5962D0251002KZA                         | SMHF283R3SF/KD                      | 1          | DC/DC CONVERTER, 8 W, 3.3 V OUTPUT, HYBRID        | Crane           | 50821     |
| 5962R0251002KXA                         | SMHF283R3S/KR                       | 1          | DC/DC CONVERTER, 8 W, 3.3 V OUTPUT, HYBRID        | Crane           | 50821     |
| 5962L0251002KZA                         | SMHF283R3SF/KL                      | 1          | DC/DC CONVERTER, 8 W, 3.3 V OUTPUT, HYBRID        | Crane           | 50821     |
| 5962L0251002KZC                         | SMHF283R3SF/KL                      | 1          | DC/DC CONVERTER, 8 W, 3.3 V OUTPUT, HYBRID        | Crane           | 50821     |
| 5962P0251002KZA                         | SMHF283R3SF/KP                      | 1          | DC/DC CONVERTER, 8 W, 3.3 V OUTPUT, HYBRID        | Crane           | 50821     |
| 5962P0251002KZC                         | SMHF283R3SF/KP                      | 1          | DC/DC CONVERTER, 8 W, 3.3 V OUTPUT, HYBRID        | Crane           | 50821     |
| 5962R0251002KZA                         | SMHF283R3SF/KR                      | 1          | DC/DC CONVERTER, 8 W, 3.3 V OUTPUT, HYBRID        | Crane           | 50821     |
| 5962R0251002KZC                         | SMHF283R3SF/KR                      | 1          | DC/DC CONVERTER, 8 W, 3.3 V OUTPUT, HYBRID        | Crane           | 50821     |
| 5962R0251002HZC                         | SMHF283R3SF/HR                      | 1          | DC/DC CONVERTER, 8 W, 3.3 V OUTPUT, HYBRID        | Crane           | 50821     |
| 5962R0251002HXC                         | SMHF283R3S/HR                       | 1          | DC/DC CONVERTER, 8 W, 3.3 V OUTPUT, HYBRID        | Crane           | 50821     |
| 5962D0251002HXC                         | SMHF283R3S/HD                       | 1          | DC/DC CONVERTER, 8 W, 3.3 V OUTPUT, HYBRID        | Crane           | 50821     |
| 5962L0251002HXA                         | SMHF283R3S/HL                       | 1          | DC/DC CONVERTER, 8 W, 3.3 V OUTPUT, HYBRID        | Crane           | 50821     |
| 5962L0251002HXC                         | SMHF283R3S/HL                       | 1          | DC/DC CONVERTER, 8 W, 3.3 V OUTPUT, HYBRID        | Crane           | 50821     |
| 5962-0251002HXA                         | SMHF283R3S/HO                       | 1          | DC/DC CONVERTER, 8 W, 3.3 V OUTPUT, HYBRID        | Crane           | 50821     |
| 5962-0251002HXC                         | SMHF283R3S/HO                       | 1          | DC/DC CONVERTER, 8 W, 3.3 V OUTPUT, HYBRID        | Crane           | 50821     |
| 5962P0251002HXA                         | SMHF283R3S/HP                       | 1          | DC/DC CONVERTER, 8 W, 3.3 V OUTPUT, HYBRID        | Crane           | 50821     |
| 5962D0251002HZA                         | SMHF283R3SF/HD                      | 1          | DC/DC CONVERTER, 8 W, 3.3 V OUTPUT, HYBRID        | Crane           | 50821     |
| 5962R0251002HXA                         | SMHF283R3S/HR                       | 1          | DC/DC CONVERTER, 8 W, 3.3 V OUTPUT, HYBRID        | Crane           | 50821     |
| 5962D0251002HXA                         | SMHF283R3S/HD                       | 1          | DC/DC CONVERTER, 8 W, 3.3 V OUTPUT, HYBRID        | Crane           | 50821     |
| 5962D0251002KXA                         | SMHF283R3S/KD                       | 1          | DC/DC CONVERTER, 8 W, 3.3 V OUTPUT, HYBRID        | Crane           | 50821     |
| 5962D0251002KXC                         | SMHF283R3S/KD                       | 1          | DC/DC CONVERTER, 8 W, 3.3 V OUTPUT, HYBRID        | Crane           | 50821     |
| 5962L0251002KXA                         | SMHF283R3S/KL                       | 1          | DC/DC CONVERTER, 8 W, 3.3 V OUTPUT, HYBRID        | Crane           | 50821     |
| 5962L0251002KXC                         | SMHF283R3S/KL                       | 1          | DC/DC CONVERTER, 8 W, 3.3 V OUTPUT, HYBRID        | Crane           | 50821     |
| 5962P0251002KXA                         | SMHF283R3S/KP                       | 1          | DC/DC CONVERTER, 8 W, 3.3 V OUTPUT, HYBRID        | Crane           | 50821     |
| 5962P0251002KXC                         | SMHF283R3S/KP                       | 1          | DC/DC CONVERTER, 8 W, 3.3 V OUTPUT, HYBRID        | Crane           | 50821     |
| 5962P0251002HXC                         | SMHF283R3S/HP                       | 1          | DC/DC CONVERTER, 8 W, 3.3 V OUTPUT, HYBRID        | Crane           | 50821     |
| 5962-0251002HZA                         | SMHF283R3SF/HO                      | 1          | DC/DC CONVERTER, 8 W, 3.3 V OUTPUT, HYBRID        | Crane           | 50821     |
| 5962-0251301HXA                         | MSA285R2S/883                       | 1          | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 5.2 VOLT | Crane           | 50821     |
| 5962-0252201EXA                         | 12775-DESC                          | 1          | TRANSISTOR ASSEMBLY, 5/2.2 VOLT OUTPUT, HYBRID    | C-MAC           | U4388     |
| 5962-0252201EXA                         | 2002                                | 1          | TRANSISTOR ASSEMBLY, 5/2.2 VOLT OUTPUT, HYBRID    | Spectrum (Marl) | 27851     |
| 5962-0252201EXA                         | SMC51676/2                          | 1          | TRANSISTOR ASSEMBLY, 5/2.2 VOLT OUTPUT, HYBRID    | Natel           | 09059     |
| 5962-0252501EXA                         | SMC51677/2                          | 1          | TRANSISTOR ASSEMBLY, 15 VOLT OUTPUT, HYBRID       | Natel           | 09059     |
| 5962-0252501EXA                         | 1500                                | 1          | TRANSISTOR ASSEMBLY, 15 VOLT OUTPUT, HYBRID       | Spectrum (Marl) | 27851     |
| 5962-0254001EXA                         | 12811-DESC                          | 1          | TRANSISTOR ASSEMBLY, BOOST REGULATOR, HYBRID      | C-MAC           | U4388     |
| 5962-0254001EXA                         | SMC51675/2                          | 1          | TRANSISTOR ASSEMBLY, BOOST REGULATOR, HYBRID      | Natel           | 09059     |
| 5962-0254001EXA                         | 2003                                | 1          | TRANSISTOR ASSEMBLY, BOOST REGULATOR, HYBRID      | Spectrum (Marl) | 27851     |
| 5962-0254801HZA                         | AFL1203R3SZ/CH                      | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V, HYBRID    | IR Santa Clara  | 52467     |
| 5962-0254801HYC                         | AFL1203R3SY/CH                      | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V, HYBRID    | IR Santa Clara  | 52467     |
| 5962-0254801HYA                         | AFL1203R3SY/CH                      | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V, HYBRID    | IR Santa Clara  | 52467     |
| 5962-0254801HXC                         | AFL1203R3SX/CH                      | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V, HYBRID    | IR Santa Clara  | 52467     |
| 5962-0254801HXA                         | AFL1203R3SX/CH                      | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V, HYBRID    | IR Santa Clara  | 52467     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                       | Approved Source | CAGE Code |
| 5962-0254801HUC                         | AFL1203R3SW/CH                      | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V, HYBRID | IR Santa Clara  | 52467     |
| 5962-0254801HUA                         | AFL1203R3SW/CH                      | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V, HYBRID | IR Santa Clara  | 52467     |
| 5962-0254801HXC                         | AFL1203R3SZ/CH                      | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V, HYBRID | IR Santa Clara  | 52467     |
| 5962-0254901HXC                         | AFL12008SX/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 8 V, HYBRID   | IR Santa Clara  | 52467     |
| 5962-0254901HZC                         | AFL12008SZ/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 8 V, HYBRID   | IR Santa Clara  | 52467     |
| 5962-0254901HZA                         | AFL12008SZ/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 8 V, HYBRID   | IR Santa Clara  | 52467     |
| 5962-0254901HYA                         | AFL12008SY/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 8 V, HYBRID   | IR Santa Clara  | 52467     |
| 5962-0254901HXA                         | AFL12008SX/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 8 V, HYBRID   | IR Santa Clara  | 52467     |
| 5962-0254901HUC                         | AFL12008SW/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 8 V, HYBRID   | IR Santa Clara  | 52467     |
| 5962-0254901HUA                         | AFL12008SW/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 8 V, HYBRID   | IR Santa Clara  | 52467     |
| 5962-0254901HYC                         | AFL12008SY/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 8 V, HYBRID   | IR Santa Clara  | 52467     |
| 5962-0255001HUA                         | AFL12009SW/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 9 V, HYBRID   | IR Santa Clara  | 52467     |
| 5962-0255001HUC                         | AFL12009SW/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 9 V, HYBRID   | IR Santa Clara  | 52467     |
| 5962-0255001HXA                         | AFL12009SX/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 9 V, HYBRID   | IR Santa Clara  | 52467     |
| 5962-0255001HXC                         | AFL12009SX/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 9 V, HYBRID   | IR Santa Clara  | 52467     |
| 5962-0255001HYA                         | AFL12009SY/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 9 V, HYBRID   | IR Santa Clara  | 52467     |
| 5962-0255001HYC                         | AFL12009SY/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 9 V, HYBRID   | IR Santa Clara  | 52467     |
| 5962-0255001HZA                         | AFL12009SZ/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 9 V, HYBRID   | IR Santa Clara  | 52467     |
| 5962-0255001HZC                         | AFL12009SZ/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 9 V, HYBRID   | IR Santa Clara  | 52467     |
| 5962-0255101HYC                         | AFL12012SY/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 12 V, HYBRID  | IR Santa Clara  | 52467     |
| 5962-0255101HYA                         | AFL12012SY/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 12 V, HYBRID  | IR Santa Clara  | 52467     |
| 5962-0255101HZA                         | AFL12012SZ/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 12 V, HYBRID  | IR Santa Clara  | 52467     |
| 5962-0255101HXA                         | AFL12012SX/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 12 V, HYBRID  | IR Santa Clara  | 52467     |
| 5962-0255101HZC                         | AFL12012SZ/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 12 V, HYBRID  | IR Santa Clara  | 52467     |
| 5962-0255101HUC                         | AFL12012SW/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 12 V, HYBRID  | IR Santa Clara  | 52467     |
| 5962-0255101HUA                         | AFL12012SW/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 12 V, HYBRID  | IR Santa Clara  | 52467     |
| 5962-0255101HXC                         | AFL12012SX/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 12 V, HYBRID  | IR Santa Clara  | 52467     |
| 5962-0255201HYC                         | AFL12015SY/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 15 V, HYBRID  | IR Santa Clara  | 52467     |
| 5962-0255201HZA                         | AFL12015SZ/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 15 V, HYBRID  | IR Santa Clara  | 52467     |
| 5962-0255201HYA                         | AFL12015SY/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 15 V, HYBRID  | IR Santa Clara  | 52467     |
| 5962-0255201HXC                         | AFL12015SX/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 15 V, HYBRID  | IR Santa Clara  | 52467     |
| 5962-0255201HXA                         | AFL12015SX/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 15 V, HYBRID  | IR Santa Clara  | 52467     |
| 5962-0255201HUC                         | AFL12015SW/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 15 V, HYBRID  | IR Santa Clara  | 52467     |
| 5962-0255201HUA                         | AFL12015SW/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 15 V, HYBRID  | IR Santa Clara  | 52467     |
| 5962-0255201HZC                         | AFL12015SZ/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 15 V, HYBRID  | IR Santa Clara  | 52467     |
| 5962-0255301HXC                         | AFL12028SX/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 28 V, HYBRID  | IR Santa Clara  | 52467     |
| 5962-0255301HZC                         | AFL12028SZ/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 28 V, HYBRID  | IR Santa Clara  | 52467     |
| 5962-0255301HZA                         | AFL12028SZ/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 28 V, HYBRID  | IR Santa Clara  | 52467     |
| 5962-0255301HYA                         | AFL12028SY/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 28 V, HYBRID  | IR Santa Clara  | 52467     |
| 5962-0255301HXA                         | AFL12028SX/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 28 V, HYBRID  | IR Santa Clara  | 52467     |
| 5962-0255301HUC                         | AFL12028SW/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 28 V, HYBRID  | IR Santa Clara  | 52467     |
| 5962-0255301HUA                         | AFL12028SW/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 28 V, HYBRID  | IR Santa Clara  | 52467     |
| 5962-0255301HYC                         | AFL12028SY/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 28 V, HYBRID  | IR Santa Clara  | 52467     |
| 5962-0255401HZA                         | AFL12005DZ/CH                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, 5 V, HYBRID     | IR Santa Clara  | 52467     |
| 5962-0255401HUA                         | AFL12005DW/CH                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, 5 V, HYBRID     | IR Santa Clara  | 52467     |
| 5962-0255401HUC                         | AFL12005DW/CH                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, 5 V, HYBRID     | IR Santa Clara  | 52467     |
| 5962-0255401HXA                         | AFL12005DX/CH                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, 5 V, HYBRID     | IR Santa Clara  | 52467     |



Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                       | Approved Source | CAGE Code |
| 5962-0255401HXC                         | AFL12005DX/CH                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, 5 V, HYBRID     | IR Santa Clara  | 52467     |
| 5962-0255401HYA                         | AFL12005DY/CH                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, 5 V, HYBRID     | IR Santa Clara  | 52467     |
| 5962-0255401HYC                         | AFL12005DY/CH                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, 5 V, HYBRID     | IR Santa Clara  | 52467     |
| 5962-0255401HZC                         | AFL12005DZ/CH                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, 5 V, HYBRID     | IR Santa Clara  | 52467     |
| 5962-0255501HYA                         | AFL12015DY/CH                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, 15 V, HYBRID    | IR Santa Clara  | 52467     |
| 5962-0255501HYC                         | AFL12015DY/CH                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, 15 V, HYBRID    | IR Santa Clara  | 52467     |
| 5962-0255501HXC                         | AFL12015DX/CH                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, 15 V, HYBRID    | IR Santa Clara  | 52467     |
| 5962-0255501HZC                         | AFL12015DZ/CH                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, 15 V, HYBRID    | IR Santa Clara  | 52467     |
| 5962-0255501HUC                         | AFL12015DW/CH                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, 15 V, HYBRID    | IR Santa Clara  | 52467     |
| 5962-0255501HUA                         | AFL12015DW/CH                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, 15 V, HYBRID    | IR Santa Clara  | 52467     |
| 5962-0255501HZA                         | AFL12015DZ/CH                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, 15 V, HYBRID    | IR Santa Clara  | 52467     |
| 5962-0255501HXA                         | AFL12015DX/CH                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, 15 V, HYBRID    | IR Santa Clara  | 52467     |
| 5962-0255601HYC                         | AFL503R3SY/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V, HYBRID | IR Santa Clara  | 52467     |
| 5962-0255601HZA                         | AFL503R3SZ/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V, HYBRID | IR Santa Clara  | 52467     |
| 5962-0255601HYA                         | AFL503R3SY/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V, HYBRID | IR Santa Clara  | 52467     |
| 5962-0255601HXC                         | AFL503R3SX/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V, HYBRID | IR Santa Clara  | 52467     |
| 5962-0255601HXA                         | AFL503R3SX/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V, HYBRID | IR Santa Clara  | 52467     |
| 5962-0255601HUC                         | AFL503R3SW/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V, HYBRID | IR Santa Clara  | 52467     |
| 5962-0255601HUA                         | AFL503R3SW/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V, HYBRID | IR Santa Clara  | 52467     |
| 5962-0255601HZC                         | AFL503R3SZ/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V, HYBRID | IR Santa Clara  | 52467     |
| 5962-0255701HYA                         | AFL5005SY/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5 V, HYBRID   | IR Santa Clara  | 52467     |
| 5962-0255701HZC                         | AFL5005SZ/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5 V, HYBRID   | IR Santa Clara  | 52467     |
| 5962-0255701HUA                         | AFL5005SW/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5 V, HYBRID   | IR Santa Clara  | 52467     |
| 5962-0255701HUC                         | AFL5005SW/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5 V, HYBRID   | IR Santa Clara  | 52467     |
| 5962-0255701HXC                         | AFL5005SX/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5 V, HYBRID   | IR Santa Clara  | 52467     |
| 5962-0255701HYC                         | AFL5005SY/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5 V, HYBRID   | IR Santa Clara  | 52467     |
| 5962-0255701HZA                         | AFL5005SZ/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5 V, HYBRID   | IR Santa Clara  | 52467     |
| 5962-0255701HXA                         | AFL5005SX/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5 V, HYBRID   | IR Santa Clara  | 52467     |
| 5962-0255801HUC                         | AFL5008SW/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 8 V, HYBRID   | IR Santa Clara  | 52467     |
| 5962-0255801HUA                         | AFL5008SW/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 8 V, HYBRID   | IR Santa Clara  | 52467     |
| 5962-0255801HXA                         | AFL5008SX/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 8 V, HYBRID   | IR Santa Clara  | 52467     |
| 5962-0255801HXC                         | AFL5008SX/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 8 V, HYBRID   | IR Santa Clara  | 52467     |
| 5962-0255801HYA                         | AFL5008SY/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 8 V, HYBRID   | IR Santa Clara  | 52467     |
| 5962-0255801HYC                         | AFL5008SY/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 8 V, HYBRID   | IR Santa Clara  | 52467     |
| 5962-0255801HZA                         | AFL5008SZ/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 8 V, HYBRID   | IR Santa Clara  | 52467     |
| 5962-0255801HZC                         | AFL5008SZ/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 8 V, HYBRID   | IR Santa Clara  | 52467     |
| 5962-0255901HUC                         | AFL5009SW/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 9 V, HYBRID   | IR Santa Clara  | 52467     |
| 5962-0255901HXA                         | AFL5009SX/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 9 V, HYBRID   | IR Santa Clara  | 52467     |
| 5962-0255901HXC                         | AFL5009SX/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 9 V, HYBRID   | IR Santa Clara  | 52467     |
| 5962-0255901HYA                         | AFL5009SY/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 9 V, HYBRID   | IR Santa Clara  | 52467     |
| 5962-0255901HYC                         | AFL5009SY/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 9 V, HYBRID   | IR Santa Clara  | 52467     |
| 5962-0255901HZA                         | AFL5009SZ/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 9 V, HYBRID   | IR Santa Clara  | 52467     |
| 5962-0255901HZC                         | AFL5009SZ/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 9 V, HYBRID   | IR Santa Clara  | 52467     |
| 5962-0255901HUA                         | AFL5009SW/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 9 V, HYBRID   | IR Santa Clara  | 52467     |
| 5962-0256001HXC                         | AFL5012SX/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 12 V, HYBRID  | IR Santa Clara  | 52467     |
| 5962-0256001HZA                         | AFL5012SZ/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 12 V, HYBRID  | IR Santa Clara  | 52467     |
| 5962-0256001HYC                         | AFL5012SY/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 12 V, HYBRID  | IR Santa Clara  | 52467     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |   |                 |           |
|---|-------------------------------------|------------|---|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                      | Approved Source | CAGE Code |
| 5962-0256001HUA                         | AFL5012SW/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 12 V, HYBRID | IR Santa Clara  | 52467     |
| 5962-0256001HUC                         | AFL5012SW/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 12 V, HYBRID | IR Santa Clara  | 52467     |
| 5962-0256001HXA                         | AFL5012SX/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 12 V, HYBRID | IR Santa Clara  | 52467     |
| 5962-0256001HZC                         | AFL5012SZ/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 12 V, HYBRID | IR Santa Clara  | 52467     |
| 5962-0256001HYA                         | AFL5012SY/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 12 V, HYBRID | IR Santa Clara  | 52467     |
| 5962-0256101HYA                         | AFL5015SY/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 15 V, HYBRID | IR Santa Clara  | 52467     |
| 5962-0256101HYC                         | AFL5015SY/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 15 V, HYBRID | IR Santa Clara  | 52467     |
| 5962-0256101HZA                         | AFL5015SZ/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 15 V, HYBRID | IR Santa Clara  | 52467     |
| 5962-0256101HUA                         | AFL5015SW/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 15 V, HYBRID | IR Santa Clara  | 52467     |
| 5962-0256101HUC                         | AFL5015SW/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 15 V, HYBRID | IR Santa Clara  | 52467     |
| 5962-0256101HXC                         | AFL5015SX/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 15 V, HYBRID | IR Santa Clara  | 52467     |
| 5962-0256101HXA                         | AFL5015SX/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 15 V, HYBRID | IR Santa Clara  | 52467     |
| 5962-0256101HZC                         | AFL5015SZ/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 15 V, HYBRID | IR Santa Clara  | 52467     |
| 5962-0256201HZC                         | AFL5028SZ/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 28 V, HYBRID | IR Santa Clara  | 52467     |
| 5962-0256201HZA                         | AFL5028SZ/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 28 V, HYBRID | IR Santa Clara  | 52467     |
| 5962-0256201HYC                         | AFL5028SY/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 28 V, HYBRID | IR Santa Clara  | 52467     |
| 5962-0256201HYA                         | AFL5028SY/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 28 V, HYBRID | IR Santa Clara  | 52467     |
| 5962-0256201HXA                         | AFL5028SX/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 28 V, HYBRID | IR Santa Clara  | 52467     |
| 5962-0256201HUC                         | AFL5028SW/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 28 V, HYBRID | IR Santa Clara  | 52467     |
| 5962-0256201HUA                         | AFL5028SW/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 28 V, HYBRID | IR Santa Clara  | 52467     |
| 5962-0256201HXC                         | AFL5028SX/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 28 V, HYBRID | IR Santa Clara  | 52467     |
| 5962-0256301HYA                         | AFL5005DY/CH                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 5 V, HYBRID    | IR Santa Clara  | 52467     |
| 5962-0256301HZA                         | AFL5005DZ/CH                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 5 V, HYBRID    | IR Santa Clara  | 52467     |
| 5962-0256301HXA                         | AFL5005DX/CH                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 5 V, HYBRID    | IR Santa Clara  | 52467     |
| 5962-0256301HZC                         | AFL5005DZ/CH                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 5 V, HYBRID    | IR Santa Clara  | 52467     |
| 5962-0256301HYC                         | AFL5005DY/CH                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 5 V, HYBRID    | IR Santa Clara  | 52467     |
| 5962-0256301HXC                         | AFL5005DX/CH                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 5 V, HYBRID    | IR Santa Clara  | 52467     |
| 5962-0256301HUC                         | AFL5005DW/CH                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 5 V, HYBRID    | IR Santa Clara  | 52467     |
| 5962-0256301HUA                         | AFL5005DW/CH                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 5 V, HYBRID    | IR Santa Clara  | 52467     |
| 5962-0256401HUA                         | AFL5012DW/CH                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 12 V, HYBRID   | IR Santa Clara  | 52467     |
| 5962-0256401HZC                         | AFL5012DZ/CH                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 12 V, HYBRID   | IR Santa Clara  | 52467     |
| 5962-0256401HYC                         | AFL5012DY/CH                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 12 V, HYBRID   | IR Santa Clara  | 52467     |
| 5962-0256401HYA                         | AFL5012DY/CH                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 12 V, HYBRID   | IR Santa Clara  | 52467     |
| 5962-0256401HXC                         | AFL5012DX/CH                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 12 V, HYBRID   | IR Santa Clara  | 52467     |
| 5962-0256401HXA                         | AFL5012DX/CH                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 12 V, HYBRID   | IR Santa Clara  | 52467     |
| 5962-0256401HUC                         | AFL5012DW/CH                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 12 V, HYBRID   | IR Santa Clara  | 52467     |
| 5962-0256401HZA                         | AFL5012DZ/CH                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 12 V, HYBRID   | IR Santa Clara  | 52467     |
| 5962-0256501HUA                         | AFL5015DW/CH                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 15 V, HYBRID   | IR Santa Clara  | 52467     |
| 5962-0256501HYC                         | AFL5015DY/CH                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 15 V, HYBRID   | IR Santa Clara  | 52467     |
| 5962-0256501HZC                         | AFL5015DZ/CH                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 15 V, HYBRID   | IR Santa Clara  | 52467     |
| 5962-0256501HZA                         | AFL5015DZ/CH                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 15 V, HYBRID   | IR Santa Clara  | 52467     |
| 5962-0256501HYA                         | AFL5015DY/CH                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 15 V, HYBRID   | IR Santa Clara  | 52467     |
| 5962-0256501HXA                         | AFL5015DX/CH                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 15 V, HYBRID   | IR Santa Clara  | 52467     |
| 5962-0256501HUC                         | AFL5015DW/CH                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 15 V, HYBRID   | IR Santa Clara  | 52467     |
| 5962-0256501HXC                         | AFL5015DX/CH                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 15 V, HYBRID   | IR Santa Clara  | 52467     |
| 5962-0321801KXC                         | M3G2803R3S/CK                       | 1          | DC/DC CONVERTER, 30 W, +3.3 V OUTPUT          | IR Santa Clara  | 52467     |
| 5962-0321801KXA                         | M3G2803R3S/CK                       | 1          | DC/DC CONVERTER, 30 W, +3.3 V OUTPUT          | IR Santa Clara  | 52467     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |   |                 |           |
|---|-------------------------------------|------------|---|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                                    | Approved Source | CAGE Code |
| 5962-0321901KXC                         | M3G2805S/CK                         | 1          | DC/DC CONVERTER, 40 W, +5 V OUTPUT                          | IR Santa Clara  | 52467     |
| 5962-0321901KXA                         | M3G2805S/CK                         | 1          | DC/DC CONVERTER, 40 W, +5 V OUTPUT                          | IR Santa Clara  | 52467     |
| 5962-0322001KXC                         | M3G2805R2S/CK                       | 1          | DC/DC CONVERTER, 40 W, +5.2 V OUTPUT                        | IR Santa Clara  | 52467     |
| 5962-0322001KXA                         | M3G2805R2S/CK                       | 1          | DC/DC CONVERTER, 40 W, +5.2 V OUTPUT                        | IR Santa Clara  | 52467     |
| 5962-0322101KXC                         | M3G2812S/CK                         | 1          | DC/DC CONVERTER, 40 W, +12 V OUTPUT                         | IR Santa Clara  | 52467     |
| 5962-0322101KXA                         | M3G2812S/CK                         | 1          | DC/DC CONVERTER, 40 W, +12 V OUTPUT                         | IR Santa Clara  | 52467     |
| 5962-0322201KXC                         | M3G2815S/CK                         | 1          | DC/DC CONVERTER, 40 W, +15 V OUTPUT                         | IR Santa Clara  | 52467     |
| 5962-0322201KXA                         | M3G2815S/CK                         | 1          | DC/DC CONVERTER, 40 W, +15 V OUTPUT                         | IR Santa Clara  | 52467     |
| 5962-0322301KXC                         | M3G2805D/CK                         | 1          | DC/DC CONVERTER, 40 W, +/-5 V OUTPUT                        | IR Santa Clara  | 52467     |
| 5962-0322301KXA                         | M3G2805D/CK                         | 1          | DC/DC CONVERTER, 40 W, +/-5 V OUTPUT                        | IR Santa Clara  | 52467     |
| 5962-0322601KXA                         | M3G280512T/CK                       | 1          | DC/DC CONVERTER, +5 V AND +/-12 V OUTPUTS, HYBRID           | IR Santa Clara  | 52467     |
| 5962-0322601KXC                         | M3G280512T/CK                       | 1          | DC/DC CONVERTER, +5 V AND +/-12 V OUTPUTS, HYBRID           | IR Santa Clara  | 52467     |
| 5962-0322701KXA                         | M3G280515T/CK                       | 1          | DC/DC CONVERTER, +5 V AND +/-15 V OUTPUTS, HYBRID           | IR Santa Clara  | 52467     |
| 5962-0322701KXC                         | M3G280515T/CK                       | 1          | DC/DC CONVERTER, +5 V AND +/-15 V OUTPUTS, HYBRID           | IR Santa Clara  | 52467     |
| 5962-0323201HXA                         | MSK5275-1.5H                        | 1          | VOLTAGE REGULATOR, POSITIVE, FIXED, +1.5 V, HYBRID          | MSK             | 51651     |
| 5962-0323201HXC                         | MSK5275-1.5H                        | 1          | VOLTAGE REGULATOR, POSITIVE, FIXED, +1.5 V, HYBRID          | MSK             | 51651     |
| 5962-0323202HXC                         | MSK5275-1.7H                        | 1          | VOLTAGE REGULATOR, POSITIVE, FIXED, +1.7 V, HYBRID          | MSK             | 51651     |
| 5962-0323202HXA                         | MSK5275-1.7H                        | 1          | VOLTAGE REGULATOR, POSITIVE, FIXED, +1.7 V, HYBRID          | MSK             | 51651     |
| 5962-0323203HXC                         | MSK5275-1.8H                        | 1          | VOLTAGE REGULATOR, POSITIVE, FIXED, +1.8 V, HYBRID          | MSK             | 51651     |
| 5962-0323203HXA                         | MSK5275-1.8H                        | 1          | VOLTAGE REGULATOR, POSITIVE, FIXED, +1.8 V, HYBRID          | MSK             | 51651     |
| 5962-0323204HXC                         | MSK5275-1.9H                        | 1          | VOLTAGE REGULATOR, POSITIVE, FIXED, +1.9 V, HYBRID          | MSK             | 51651     |
| 5962-0323204HXA                         | MSK5275-1.9H                        | 1          | VOLTAGE REGULATOR, POSITIVE, FIXED, +1.9 V, HYBRID          | MSK             | 51651     |
| 5962-0323205HXA                         | MSK5275-2.5H                        | 1          | VOLTAGE REGULATOR, POSITIVE, FIXED, +2.5 V, HYBRID          | MSK             | 51651     |
| 5962-0323205HXC                         | MSK5275-2.5H                        | 1          | VOLTAGE REGULATOR, POSITIVE, FIXED, +2.5 V, HYBRID          | MSK             | 51651     |
| 5962-0323206HXC                         | MSK5275-3.3H                        | 1          | VOLTAGE REGULATOR, POSITIVE, FIXED, +3.3 V, HYBRID          | MSK             | 51651     |
| 5962-0323206HXA                         | MSK5275-3.3H                        | 1          | VOLTAGE REGULATOR, POSITIVE, FIXED, +3.3 V, HYBRID          | MSK             | 51651     |
| 5962-0323207HXC                         | MSK5275-3.4H                        | 1          | VOLTAGE REGULATOR, POSITIVE, FIXED, +3.4 V, HYBRID          | MSK             | 51651     |
| 5962-0323207HXA                         | MSK5275-3.4H                        | 1          | VOLTAGE REGULATOR, POSITIVE, FIXED, +3.4 V, HYBRID          | MSK             | 51651     |
| 5962-0323208HXA                         | MSK5275-5.0H                        | 1          | VOLTAGE REGULATOR, POSITIVE, FIXED, +5.0 V, HYBRID          | MSK             | 51651     |
| 5962-0323208HXC                         | MSK5275-5.0H                        | 1          | VOLTAGE REGULATOR, POSITIVE, FIXED, +5.0 V, HYBRID          | MSK             | 51651     |
| 5962-0323209HXC                         | MSK5275-12H                         | 1          | VOLTAGE REGULATOR, POSITIVE, FIXED, +12.0 V, HYBRID         | MSK             | 51651     |
| 5962-0323209HXA                         | MSK5275-12H                         | 1          | VOLTAGE REGULATOR, POSITIVE, FIXED, +12.0 V, HYBRID         | MSK             | 51651     |
| 5962-0323210HXC                         | MSK5275-2.0H                        | 1          | VOLTAGE REGULATOR, POSITIVE, FIXED, +2.0 V, HYBRID          | MSK             | 51651     |
| 5962-0323210HXA                         | MSK5275-2.0H                        | 1          | VOLTAGE REGULATOR, POSITIVE, FIXED, +2.0 V, HYBRID          | MSK             | 51651     |
| 5962-0323401KXC                         | ACT8502-S                           | 1          | ANALOG MULTIPLEXER, 48-CHANNEL, WITH ESD PROTECTION, HYBRID | Aeroflex        | 88379     |
| 5962-0323402KXC                         | ACT8506-S                           | 1          | ANALOG MULTIPLEXER, 48-CHANNEL, HYBRID                      | Aeroflex        | 88379     |
| 5962-0323403KXC                         | ACT8503-S                           | 1          | ANALOG MULTIPLEXER, 48-CHANNEL, HYBRID                      | Aeroflex        | 88379     |
| 5962-0324101HXA                         | DVSA283R3S/H-E                      | 1          | DC-DC CONVERTER, 4 W, +3.3 V OUTPUT, HYBRID                 | VPT             | 0ZBZ6     |
| 5962-0324101KXC                         | DVSA283R3S/K                        | 1          | DC-DC CONVERTER, 4 W, +3.3 V OUTPUT, HYBRID                 | VPT             | 0ZBZ6     |
| 5962-0324101KXA                         | DVSA283R3S/K-E                      | 1          | DC-DC CONVERTER, 4 W, +3.3 V OUTPUT, HYBRID                 | VPT             | 0ZBZ6     |
| 5962-0324101HXC                         | DVSA283R3S/H                        | 1          | DC-DC CONVERTER, 4 W, +3.3 V OUTPUT, HYBRID                 | VPT             | 0ZBZ6     |
| 5962-0324102KXA                         | DVSA2805S/K-E                       | 1          | DC-DC CONVERTER, 5 W, +5 V OUTPUT, HYBRID                   | VPT             | 0ZBZ6     |
| 5962-0324102HXA                         | DVSA2805S/H-E                       | 1          | DC-DC CONVERTER, 5 W, +5 V OUTPUT, HYBRID                   | VPT             | 0ZBZ6     |
| 5962-0324102HXC                         | DVSA2805S/H                         | 1          | DC-DC CONVERTER, 5 W, +5 V OUTPUT, HYBRID                   | VPT             | 0ZBZ6     |
| 5962-0324102KXC                         | DVSA2805S/K                         | 1          | DC-DC CONVERTER, 5 W, +5 V OUTPUT, HYBRID                   | VPT             | 0ZBZ6     |
| 5962-0324103KXA                         | DVSA285R2S/K-E                      | 1          | DC-DC CONVERTER, 5.2 W, +5.2 V OUTPUT, HYBRID               | VPT             | 0ZBZ6     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |   |                 |           |
|---|-------------------------------------|------------|---|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                      | Approved Source | CAGE Code |
| 5962-0324103KXC                         | DVSA285R2S/K                        | 1          | DC-DC CONVERTER, 5.2 W, +5.2 V OUTPUT, HYBRID | VPT             | 0ZBZ6     |
| 5962-0324103HXA                         | DVSA285R2S/H-E                      | 1          | DC-DC CONVERTER, 5.2 W, +5.2 V OUTPUT, HYBRID | VPT             | 0ZBZ6     |
| 5962-0324103HXC                         | DVSA285R2S/H                        | 1          | DC-DC CONVERTER, 5.2 W, +5.2 V OUTPUT, HYBRID | VPT             | 0ZBZ6     |
| 5962-0324104KXC                         | DVSA2812S/K                         | 1          | DC-DC CONVERTER, 6 W, +12 V OUTPUT, HYBRID    | VPT             | 0ZBZ6     |
| 5962-0324104HXA                         | DVSA2812S/H-E                       | 1          | DC-DC CONVERTER, 6 W, +12 V OUTPUT, HYBRID    | VPT             | 0ZBZ6     |
| 5962-0324104HXC                         | DVSA2812S/H                         | 1          | DC-DC CONVERTER, 6 W, +12 V OUTPUT, HYBRID    | VPT             | 0ZBZ6     |
| 5962-0324104KXA                         | DVSA2812S/K-E                       | 1          | DC-DC CONVERTER, 6 W, +12 V OUTPUT, HYBRID    | VPT             | 0ZBZ6     |
| 5962-0324105HXC                         | DVSA2815S/H                         | 1          | DC-DC CONVERTER, 6 W, +15 V OUTPUT, HYBRID    | VPT             | 0ZBZ6     |
| 5962-0324105KXA                         | DVSA2815S/K-E                       | 1          | DC-DC CONVERTER, 6 W, +15 V OUTPUT, HYBRID    | VPT             | 0ZBZ6     |
| 5962-0324105HXA                         | DVSA2815S/H-E                       | 1          | DC-DC CONVERTER, 6 W, +15 V OUTPUT, HYBRID    | VPT             | 0ZBZ6     |
| 5962-0324105KXC                         | DVSA2815S/K                         | 1          | DC-DC CONVERTER, 6 W, +15 V OUTPUT, HYBRID    | VPT             | 0ZBZ6     |
| 5962-0324201KYC                         | DVSA2805DF/K                        | 1          | DC-DC CONVERTER, 5 W, +/-5 V OUTPUT, HYBRID   | VPT             | 0ZBZ6     |
| 5962-0324201KXA                         | DVSA2805D/K-E                       | 1          | DC-DC CONVERTER, 5 W, +/-5 V OUTPUT, HYBRID   | VPT             | 0ZBZ6     |
| 5962-0324201KXC                         | DVSA2805D/K                         | 1          | DC-DC CONVERTER, 5 W, +/-5 V OUTPUT, HYBRID   | VPT             | 0ZBZ6     |
| 5962-0324201HXA                         | DVSA2805D/H-E                       | 1          | DC-DC CONVERTER, 5 W, +/-5 V OUTPUT, HYBRID   | VPT             | 0ZBZ6     |
| 5962-0324201HXC                         | DVSA2805D/H                         | 1          | DC-DC CONVERTER, 5 W, +/-5 V OUTPUT, HYBRID   | VPT             | 0ZBZ6     |
| 5962-0324201KYA                         | DVSA2805DF/K-E                      | 1          | DC-DC CONVERTER, 5 W, +/-5 V OUTPUT, HYBRID   | VPT             | 0ZBZ6     |
| 5962-0324202HXC                         | DVSA2812D/H                         | 1          | DC-DC CONVERTER, 6 W, +/-12 V OUTPUT, HYBRID  | VPT             | 0ZBZ6     |
| 5962-0324202KYA                         | DVSA2812DF/K-E                      | 1          | DC-DC CONVERTER, 6 W, +/-12 V OUTPUT, HYBRID  | VPT             | 0ZBZ6     |
| 5962-0324202KYC                         | DVSA2812DF/K                        | 1          | DC-DC CONVERTER, 6 W, +/-12 V OUTPUT, HYBRID  | VPT             | 0ZBZ6     |
| 5962-0324202KXA                         | DVSA2812D/K-E                       | 1          | DC-DC CONVERTER, 6 W, +/-12 V OUTPUT, HYBRID  | VPT             | 0ZBZ6     |
| 5962-0324202KXC                         | DVSA2812D/K                         | 1          | DC-DC CONVERTER, 6 W, +/-12 V OUTPUT, HYBRID  | VPT             | 0ZBZ6     |
| 5962-0324202HXA                         | DVSA2812D/H-E                       | 1          | DC-DC CONVERTER, 6 W, +/-12 V OUTPUT, HYBRID  | VPT             | 0ZBZ6     |
| 5962-0324203HXA                         | DVSA2815D/H-E                       | 1          | DC-DC CONVERTER, 6 W, +/-15 V OUTPUT, HYBRID  | VPT             | 0ZBZ6     |
| 5962-0324203KYA                         | DVSA2815DF/K-E                      | 1          | DC-DC CONVERTER, 6 W, +/-15 V OUTPUT, HYBRID  | VPT             | 0ZBZ6     |
| 5962-0324203KYC                         | DVSA2815DF/K                        | 1          | DC-DC CONVERTER, 6 W, +/-15 V OUTPUT, HYBRID  | VPT             | 0ZBZ6     |
| 5962-0324203KXA                         | DVSA2815D/K-E                       | 1          | DC-DC CONVERTER, 6 W, +/-15 V OUTPUT, HYBRID  | VPT             | 0ZBZ6     |
| 5962-0324203KXC                         | DVSA2815D/K                         | 1          | DC-DC CONVERTER, 6 W, +/-15 V OUTPUT, HYBRID  | VPT             | 0ZBZ6     |
| 5962-0324203HXC                         | DVSA2815D/H                         | 1          | DC-DC CONVERTER, 6 W, +/-15 V OUTPUT, HYBRID  | VPT             | 0ZBZ6     |
| 5962-0324301HXA                         | DVHF283R3S/H-E                      | 1          | DC-DC CONVERTER, 10 W, +3.3 V OUTPUT, HYBRID  | VPT             | 0ZBZ6     |
| 5962-0324301KYA                         | DVHF283R3SF/K-E                     | 1          | DC-DC CONVERTER, 10 W, +3.3 V OUTPUT, HYBRID  | VPT             | 0ZBZ6     |
| 5962-0324301HXC                         | DVHF283R3S/H                        | 1          | DC-DC CONVERTER, 10 W, +3.3 V OUTPUT, HYBRID  | VPT             | 0ZBZ6     |
| 5962-0324301KXC                         | DVHF283R3S/K                        | 1          | DC-DC CONVERTER, 10 W, +3.3 V OUTPUT, HYBRID  | VPT             | 0ZBZ6     |
| 5962-0324301KXA                         | DVHF283R3S/K-E                      | 1          | DC-DC CONVERTER, 10 W, +3.3 V OUTPUT, HYBRID  | VPT             | 0ZBZ6     |
| 5962-0324301HYC                         | DVHF283R3SF/H                       | 1          | DC-DC CONVERTER, 10 W, +3.3 V OUTPUT, HYBRID  | VPT             | 0ZBZ6     |
| 5962-0324301KYC                         | DVHF283R3SF/K                       | 1          | DC-DC CONVERTER, 10 W, +3.3 V OUTPUT, HYBRID  | VPT             | 0ZBZ6     |
| 5962-0324301HYA                         | DVHF283R3SF/H-E                     | 1          | DC-DC CONVERTER, 10 W, +3.3 V OUTPUT, HYBRID  | VPT             | 0ZBZ6     |
| 5962-0324302HXC                         | DVHF2805S/H                         | 1          | DC-DC CONVERTER, 15 W, +5 V OUTPUT, HYBRID    | VPT             | 0ZBZ6     |
| 5962-0324302HXA                         | DVHF2805S/H-E                       | 1          | DC-DC CONVERTER, 15 W, +5 V OUTPUT, HYBRID    | VPT             | 0ZBZ6     |
| 5962-0324302KXC                         | DVHF2805S/K                         | 1          | DC-DC CONVERTER, 15 W, +5 V OUTPUT, HYBRID    | VPT             | 0ZBZ6     |
| 5962-0324302KXA                         | DVHF2805S/K-E                       | 1          | DC-DC CONVERTER, 15 W, +5 V OUTPUT, HYBRID    | VPT             | 0ZBZ6     |
| 5962-0324302HYC                         | DVHF2805SF/H                        | 1          | DC-DC CONVERTER, 15 W, +5 V OUTPUT, HYBRID    | VPT             | 0ZBZ6     |
| 5962-0324302HYA                         | DVHF2805SF/H-E                      | 1          | DC-DC CONVERTER, 15 W, +5 V OUTPUT, HYBRID    | VPT             | 0ZBZ6     |
| 5962-0324302KYC                         | DVHF2805SF/K                        | 1          | DC-DC CONVERTER, 15 W, +5 V OUTPUT, HYBRID    | VPT             | 0ZBZ6     |
| 5962-0324302KYA                         | DVHF2805SF/K-E                      | 1          | DC-DC CONVERTER, 15 W, +5 V OUTPUT, HYBRID    | VPT             | 0ZBZ6     |
| 5962-0324303KXA                         | DVHF285R2S/K-E                      | 1          | DC-DC CONVERTER, 15 W, +5.2 V OUTPUT, HYBRID  | VPT             | 0ZBZ6     |
| 5962-0324303HYC                         | DVHF285R2SF/H                       | 1          | DC-DC CONVERTER, 15 W, +5.2 V OUTPUT, HYBRID  | VPT             | 0ZBZ6     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |   |                 |           |
|---|-------------------------------------|------------|---|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                      | Approved Source | CAGE Code |
| 5962-0324303HXC                         | DVHF285R2S/H                        | 1          | DC-DC CONVERTER, 15 W, +5.2 V OUTPUT, HYBRID  | VPT             | 0ZBZ6     |
| 5962-0324303KXC                         | DVHF285R2S/K                        | 1          | DC-DC CONVERTER, 15 W, +5.2 V OUTPUT, HYBRID  | VPT             | 0ZBZ6     |
| 5962-0324303KYA                         | DVHF285R2SF/K-E                     | 1          | DC-DC CONVERTER, 15 W, +5.2 V OUTPUT, HYBRID  | VPT             | 0ZBZ6     |
| 5962-0324303KYC                         | DVHF285R2SF/K                       | 1          | DC-DC CONVERTER, 15 W, +5.2 V OUTPUT, HYBRID  | VPT             | 0ZBZ6     |
| 5962-0324303HXA                         | DVHF285R2S/H-E                      | 1          | DC-DC CONVERTER, 15 W, +5.2 V OUTPUT, HYBRID  | VPT             | 0ZBZ6     |
| 5962-0324303HYA                         | DVHF285R2SF/H-E                     | 1          | DC-DC CONVERTER, 15 W, +5.2 V OUTPUT, HYBRID  | VPT             | 0ZBZ6     |
| 5962-0324304HYA                         | DVHF2812SF/H-E                      | 1          | DC-DC CONVERTER, 20 W, +12 V OUTPUT, HYBRID   | VPT             | 0ZBZ6     |
| 5962-0324304KYC                         | DVHF2812SF/K                        | 1          | DC-DC CONVERTER, 20 W, +12 V OUTPUT, HYBRID   | VPT             | 0ZBZ6     |
| 5962-0324304KYA                         | DVHF2812SF/K-E                      | 1          | DC-DC CONVERTER, 20 W, +12 V OUTPUT, HYBRID   | VPT             | 0ZBZ6     |
| 5962-0324304HYC                         | DVHF2812SF/H                        | 1          | DC-DC CONVERTER, 20 W, +12 V OUTPUT, HYBRID   | VPT             | 0ZBZ6     |
| 5962-0324304KXA                         | DVHF2812S/K-E                       | 1          | DC-DC CONVERTER, 20 W, +12 V OUTPUT, HYBRID   | VPT             | 0ZBZ6     |
| 5962-0324304KXC                         | DVHF2812S/K                         | 1          | DC-DC CONVERTER, 20 W, +12 V OUTPUT, HYBRID   | VPT             | 0ZBZ6     |
| 5962-0324304HXA                         | DVHF2812S/H-E                       | 1          | DC-DC CONVERTER, 20 W, +12 V OUTPUT, HYBRID   | VPT             | 0ZBZ6     |
| 5962-0324304HXC                         | DVHF2812S/H                         | 1          | DC-DC CONVERTER, 20 W, +12 V OUTPUT, HYBRID   | VPT             | 0ZBZ6     |
| 5962-0324305HXA                         | DVHF2815S/H-E                       | 1          | DC-DC CONVERTER, 20 W, +15 V OUTPUT, HYBRID   | VPT             | 0ZBZ6     |
| 5962-0324305KXC                         | DVHF2815S/K                         | 1          | DC-DC CONVERTER, 20 W, +15 V OUTPUT, HYBRID   | VPT             | 0ZBZ6     |
| 5962-0324305KXA                         | DVHF2815S/K-E                       | 1          | DC-DC CONVERTER, 20 W, +15 V OUTPUT, HYBRID   | VPT             | 0ZBZ6     |
| 5962-0324305HYC                         | DVHF2815SF/H                        | 1          | DC-DC CONVERTER, 20 W, +15 V OUTPUT, HYBRID   | VPT             | 0ZBZ6     |
| 5962-0324305HYA                         | DVHF2815SF/H-E                      | 1          | DC-DC CONVERTER, 20 W, +15 V OUTPUT, HYBRID   | VPT             | 0ZBZ6     |
| 5962-0324305KYC                         | DVHF2815SF/K                        | 1          | DC-DC CONVERTER, 20 W, +15 V OUTPUT, HYBRID   | VPT             | 0ZBZ6     |
| 5962-0324305KYA                         | DVHF2815SF/K-E                      | 1          | DC-DC CONVERTER, 20 W, +15 V OUTPUT, HYBRID   | VPT             | 0ZBZ6     |
| 5962-0324305HXC                         | DVHF2815S/H                         | 1          | DC-DC CONVERTER, 20 W, +15 V OUTPUT, HYBRID   | VPT             | 0ZBZ6     |
| 5962-0324306KXA                         | DVHF281R9S/K-E                      | 1          | DC-DC CONVERTER, 8 W, +1.9 V OUTPUT, HYBRID   | VPT             | 0ZBZ6     |
| 5962-0324306KXC                         | DVHF281R9S/K                        | 1          | DC-DC CONVERTER, 8 W, +1.9 V OUTPUT, HYBRID   | VPT             | 0ZBZ6     |
| 5962-0324306HYC                         | DVHF281R9F/H                        | 1          | DC-DC CONVERTER, 8 W, +1.9 V OUTPUT, HYBRID   | VPT             | 0ZBZ6     |
| 5962-0324306HYA                         | DVHF281R9F/H-E                      | 1          | DC-DC CONVERTER, 8 W, +1.9 V OUTPUT, HYBRID   | VPT             | 0ZBZ6     |
| 5962-0324306HXC                         | DVHF281R9S/H                        | 1          | DC-DC CONVERTER, 8 W, +1.9 V OUTPUT, HYBRID   | VPT             | 0ZBZ6     |
| 5962-0324306KYA                         | DVHF281R9SF/K-E                     | 1          | DC-DC CONVERTER, 8 W, +1.9 V OUTPUT, HYBRID   | VPT             | 0ZBZ6     |
| 5962-0324306KYC                         | DVHF281R9SF/K                       | 1          | DC-DC CONVERTER, 8 W, +1.9 V OUTPUT, HYBRID   | VPT             | 0ZBZ6     |
| 5962-0324306HXA                         | DVHF281R9S/H-E                      | 1          | DC-DC CONVERTER, 8 W, +1.9 V OUTPUT, HYBRID   | VPT             | 0ZBZ6     |
| 5962-0324307HXC                         | DVHF2828S/H                         | 1          | DC-DC CONVERTER, 20 W, +28 V OUTPUT, HYBRID   | VPT             | 0ZBZ6     |
| 5962-0324307HXA                         | DVHF2828S/H-E                       | 1          | DC-DC CONVERTER, 20 W, +28 V OUTPUT, HYBRID   | VPT             | 0ZBZ6     |
| 5962-0324307KXC                         | DVHF2828S/K                         | 1          | DC-DC CONVERTER, 20 W, +28 V OUTPUT, HYBRID   | VPT             | 0ZBZ6     |
| 5962-0324307KXA                         | DVHF2828S/K-E                       | 1          | DC-DC CONVERTER, 20 W, +28 V OUTPUT, HYBRID   | VPT             | 0ZBZ6     |
| 5962-0324307HYC                         | DVHF2828SF/H                        | 1          | DC-DC CONVERTER, 20 W, +28 V OUTPUT, HYBRID   | VPT             | 0ZBZ6     |
| 5962-0324307HYA                         | DVHF2828SF/H-E                      | 1          | DC-DC CONVERTER, 20 W, +28 V OUTPUT, HYBRID   | VPT             | 0ZBZ6     |
| 5962-0324307KYC                         | DVHF2828SF/K                        | 1          | DC-DC CONVERTER, 20 W, +28 V OUTPUT, HYBRID   | VPT             | 0ZBZ6     |
| 5962-0324307KYA                         | DVHF2828SF/K-E                      | 1          | DC-DC CONVERTER, 20 W, +28 V OUTPUT, HYBRID   | VPT             | 0ZBZ6     |
| 5962-0324401KYC                         | DVHF2805DF/K                        | 1          | DC-DC CONVERTER, 15 W, +/-5 V OUTPUT, HYBRID  | VPT             | 0ZBZ6     |
| 5962-0324401HYA                         | DVHF2805DF/H-E                      | 1          | DC-DC CONVERTER, 15 W, +/-5 V OUTPUT, HYBRID  | VPT             | 0ZBZ6     |
| 5962-0324401HYC                         | DVHF2805DF/H                        | 1          | DC-DC CONVERTER, 15 W, +/-5 V OUTPUT, HYBRID  | VPT             | 0ZBZ6     |
| 5962-0324401KXA                         | DVHF2805D/K-E                       | 1          | DC-DC CONVERTER, 15 W, +/-5 V OUTPUT, HYBRID  | VPT             | 0ZBZ6     |
| 5962-0324401KXC                         | DVHF2805D/K                         | 1          | DC-DC CONVERTER, 15 W, +/-5 V OUTPUT, HYBRID  | VPT             | 0ZBZ6     |
| 5962-0324401HXA                         | DVHF2805D/H-E                       | 1          | DC-DC CONVERTER, 15 W, +/-5 V OUTPUT, HYBRID  | VPT             | 0ZBZ6     |
| 5962-0324401HXC                         | DVHF2805D/H                         | 1          | DC-DC CONVERTER, 15 W, +/-5 V OUTPUT, HYBRID  | VPT             | 0ZBZ6     |
| 5962-0324401KYA                         | DVHF2805DF/K-E                      | 1          | DC-DC CONVERTER, 15 W, +/-5 V OUTPUT, HYBRID  | VPT             | 0ZBZ6     |
| 5962-0324402KXC                         | DVHF2812D/K                         | 1          | DC-DC CONVERTER, 20 W, +/-12 V OUTPUT, HYBRID | VPT             | 0ZBZ6     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                                     | Approved Source | CAGE Code |
| 5962-0324402KXA                         | DVHF2812D/K-E                       | 1          | DC-DC CONVERTER, 20 W, +/-12 V OUTPUT, HYBRID                | VPT             | 0ZBZ6     |
| 5962-0324402HYC                         | DVHF2812DF/H                        | 1          | DC-DC CONVERTER, 20 W, +/-12 V OUTPUT, HYBRID                | VPT             | 0ZBZ6     |
| 5962-0324402HYA                         | DVHF2812DF/H-E                      | 1          | DC-DC CONVERTER, 20 W, +/-12 V OUTPUT, HYBRID                | VPT             | 0ZBZ6     |
| 5962-0324402KYC                         | DVHF2812DF/K                        | 1          | DC-DC CONVERTER, 20 W, +/-12 V OUTPUT, HYBRID                | VPT             | 0ZBZ6     |
| 5962-0324402KYA                         | DVHF2812DF/K-E                      | 1          | DC-DC CONVERTER, 20 W, +/-12 V OUTPUT, HYBRID                | VPT             | 0ZBZ6     |
| 5962-0324402HXA                         | DVHF2812D/H-E                       | 1          | DC-DC CONVERTER, 20 W, +/-12 V OUTPUT, HYBRID                | VPT             | 0ZBZ6     |
| 5962-0324402HXC                         | DVHF2812D/H                         | 1          | DC-DC CONVERTER, 20 W, +/-12 V OUTPUT, HYBRID                | VPT             | 0ZBZ6     |
| 5962-0324403KYA                         | DVHF2815DF/K-E                      | 1          | DC-DC CONVERTER, 20 W, +/-15 V OUTPUT, HYBRID                | VPT             | 0ZBZ6     |
| 5962-0324403HXA                         | DVHF2815D/H-E                       | 1          | DC-DC CONVERTER, 20 W, +/-15 V OUTPUT, HYBRID                | VPT             | 0ZBZ6     |
| 5962-0324403KXC                         | DVHF2815D/K                         | 1          | DC-DC CONVERTER, 20 W, +/-15 V OUTPUT, HYBRID                | VPT             | 0ZBZ6     |
| 5962-0324403KXA                         | DVHF2815D/K-E                       | 1          | DC-DC CONVERTER, 20 W, +/-15 V OUTPUT, HYBRID                | VPT             | 0ZBZ6     |
| 5962-0324403HYC                         | DVHF2815DF/H                        | 1          | DC-DC CONVERTER, 20 W, +/-15 V OUTPUT, HYBRID                | VPT             | 0ZBZ6     |
| 5962-0324403KYC                         | DVHF2815DF/K                        | 1          | DC-DC CONVERTER, 20 W, +/-15 V OUTPUT, HYBRID                | VPT             | 0ZBZ6     |
| 5962-0324403HXC                         | DVHF2815D/H                         | 1          | DC-DC CONVERTER, 20 W, +/-15 V OUTPUT, HYBRID                | VPT             | 0ZBZ6     |
| 5962-0324403HYA                         | DVHF2815DF/H-E                      | 1          | DC-DC CONVERTER, 20 W, +/-15 V OUTPUT, HYBRID                | VPT             | 0ZBZ6     |
| 5962-0324701HZC                         | 53252-128                           | 1          | OPTOCOUPLER, DUAL CHANNEL, POWER MOSFET, 90 V, 0.8 A, HYBRID | Micropac        | 31757     |
| 5962-0324701HYC                         | 53252-108                           | 1          | OPTOCOUPLER, DUAL CHANNEL, POWER MOSFET, 90 V, 0.8 A, HYBRID | Micropac        | 31757     |
| 5962-0324701HYA                         | 53252-107                           | 1          | OPTOCOUPLER, DUAL CHANNEL, POWER MOSFET, 90 V, 0.8 A, HYBRID | Micropac        | 31757     |
| 5962-0324701HXA                         | 53252-117                           | 1          | OPTOCOUPLER, DUAL CHANNEL, POWER MOSFET, 90 V, 0.8 A, HYBRID | Micropac        | 31757     |
| 5962-0324701HXC                         | 53252-118                           | 1          | OPTOCOUPLER, DUAL CHANNEL, POWER MOSFET, 90 V, 0.8 A, HYBRID | Micropac        | 31757     |
| 5962-0324701HZA                         | 53252-127                           | 1          | OPTOCOUPLER, DUAL CHANNEL, POWER MOSFET, 90 V, 0.8 A, HYBRID | Micropac        | 31757     |
| 5962-0325101HXA                         | RDC-19220-143                       | 1          | HYBRID, R/D CONVERTER, +/-5 VCC                              | DDC             | 19645     |
| 5962-0325101HXC                         | RDC-19220-113                       | 1          | HYBRID, R/D CONVERTER, +/-5 VCC                              | DDC             | 19645     |
| 5962-0325102HYA                         | RDC-19222-143                       | 1          | HYBRID, R/D CONVERTER, +5 VCC                                | DDC             | 19645     |
| 5962-0325102HYC                         | RDC-19222-113                       | 1          | HYBRID, R/D CONVERTER, +5 VCC                                | DDC             | 19645     |
| 5962-0325103HXA                         | RDC-19220S-143                      | 1          | HYBRID, R/D CONVERTER, +/-5 VCC                              | DDC             | 19645     |
| 5962-0325103HXC                         | RDC-19220S-113                      | 1          | HYBRID, R/D CONVERTER, +/-5 VCC                              | DDC             | 19645     |
| 5962-0325104HYC                         | RDC-19222S-113                      | 1          | HYBRID, R/D CONVERTER, +5 VCC                                | DDC             | 19645     |
| 5962-0325104HYA                         | RDC-19222S-143                      | 1          | HYBRID, R/D CONVERTER, +5 VCC                                | DDC             | 19645     |
| 5962-0325301HZC                         | MHF+285R2SF/883                     | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5.2 V, HYBRID               | Crane           | 50821     |
| 5962-0325301HZA                         | MHF+285R2SF/883                     | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5.2 V, HYBRID               | Crane           | 50821     |
| 5962-0325301HXC                         | MHF+285R2S/883                      | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5.2 V, HYBRID               | Crane           | 50821     |
| 5962-0325301HXA                         | MHF+285R2S/883                      | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5.2 V, HYBRID               | Crane           | 50821     |
| 5962-0420401HXA                         | HCPL-5121-300                       | 1          | HYBRID, OPTOCOUPLER, SINGLE CHANNEL, 2.0 AMP                 | Avago           | 50434     |
| 5962-0420401HPA                         | HCPL-5121-200                       | 1          | HYBRID, OPTOCOUPLER, SINGLE CHANNEL, 2.0 AMP                 | Avago           | 50434     |
| 5962-0420401HYC                         | HCPL-5121-100                       | 1          | HYBRID, OPTOCOUPLER, SINGLE CHANNEL, 2.0 AMP                 | Avago           | 50434     |
| 5962-0420401HYA                         | HCPL-5121-100                       | 1          | HYBRID, OPTOCOUPLER, SINGLE CHANNEL, 2.0 AMP                 | Avago           | 50434     |
| 5962-0420401HPC                         | HCPL-5121                           | 1          | HYBRID, OPTOCOUPLER, SINGLE CHANNEL, 2.0 AMP                 | Avago           | 50434     |
| 5962-0420501HXA                         | HCPL-5151-300                       | 1          | HYBRID, OPTOCOUPLER, SINGLE CHANNEL, 0.5 AMP                 | Avago           | 50434     |
| 5962-0420501HPC                         | HCPL-5151                           | 1          | HYBRID, OPTOCOUPLER, SINGLE CHANNEL, 0.5 AMP                 | Avago           | 50434     |
| 5962-0420501HYA                         | HCPL-5151-100                       | 1          | HYBRID, OPTOCOUPLER, SINGLE CHANNEL, 0.5 AMP                 | Avago           | 50434     |
| 5962-0420501HYC                         | HCPL-5151-100                       | 1          | HYBRID, OPTOCOUPLER, SINGLE CHANNEL, 0.5 AMP                 | Avago           | 50434     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |   |                 |           |
|---|-------------------------------------|------------|---|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                          | Approved Source | CAGE Code |
| 5962-0420501HPA                         | HCPL-5151-200                       | 1          | HYBRID, OPTOCOUPLER, SINGLE CHANNEL, 0.5 AMP      | Avago           | 50434     |
| 5962-0423201HXA                         | ARH2805S                            | 1          | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 5 VOLT   | IR Santa Clara  | 52467     |
| 5962-0423201HXC                         | ARH2805S                            | 1          | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 5 VOLT   | IR Santa Clara  | 52467     |
| 5962-0423301HXC                         | ARH2803R3S                          | 1          | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 3.3 VOLT | IR Santa Clara  | 52467     |
| 5962-0423301HXA                         | ARH2803R3S                          | 1          | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 3.3 VOLT | IR Santa Clara  | 52467     |
| 5962-0423401KXC                         | ART2815T                            | 1          | DC/DC CONVERTER, +5 V AND +/-15 V OUTPUTS, HYBRID | IR Santa Clara  | 52467     |
| 5962-0423401KXA                         | ART2815T                            | 1          | DC/DC CONVERTER, +5 V AND +/-15 V OUTPUTS, HYBRID | IR Santa Clara  | 52467     |
| 5962-0423503KXA                         | RDC5028-301-2S                      | 2          | RESOLVER-TO-DIGITAL CONVERTER, TRACKING, 16-BIT   | Aeroflex        | 88379     |
| 5962-0423503KXC                         | RDC5028-301-1S                      | 2          | RESOLVER-TO-DIGITAL CONVERTER, TRACKING, 16-BIT   | Aeroflex        | 88379     |
| 5962-0423701KXC                         | ART2812T                            | 1          | DC/DC CONVERTER, +5 V AND +/-12 V OUTPUTS, HYBRID | IR Santa Clara  | 52467     |
| 5962-0423701KXA                         | ART2812T                            | 1          | DC/DC CONVERTER, +5 V AND +/-12 V OUTPUTS, HYBRID | IR Santa Clara  | 52467     |
| 5962-0423801KXC                         | S2803R3S                            | 1B         | DC/DC CONVERTER, 3.3 V OUTPUT, HYBRID             | IR Santa Clara  | 52467     |
| 5962-0423801KXA                         | S2803R3S                            | 1B         | DC/DC CONVERTER, 3.3 V OUTPUT, HYBRID             | IR Santa Clara  | 52467     |
| 5962-0423901KXC                         | S2805S                              | 1          | DC/DC CONVERTER, 5 V OUTPUT, HYBRID               | IR Santa Clara  | 52467     |
| 5962-0423901KXA                         | S2805S                              | 1          | DC/DC CONVERTER, 5 V OUTPUT, HYBRID               | IR Santa Clara  | 52467     |
| 5962-0424001KXA                         | S2812S                              | 1          | DC/DC CONVERTER, 12 V OUTPUT, HYBRID              | IR Santa Clara  | 52467     |
| 5962-0424001KXC                         | S2812S                              | 1          | DC/DC CONVERTER, 12 V OUTPUT, HYBRID              | IR Santa Clara  | 52467     |
| 5962-0424101KXA                         | S2815S                              | 1          | DC/DC CONVERTER, 15 V OUTPUT, HYBRID              | IR Santa Clara  | 52467     |
| 5962-0424101KXC                         | S2815S                              | 1          | DC/DC CONVERTER, 15 V OUTPUT, HYBRID              | IR Santa Clara  | 52467     |
| 5962-0424201KXC                         | S2805D                              | 1          | DC/DC CONVERTER, +/-5 V OUTPUT, HYBRID            | IR Santa Clara  | 52467     |
| 5962-0424201KXA                         | S2805D                              | 1          | DC/DC CONVERTER, +/-5 V OUTPUT, HYBRID            | IR Santa Clara  | 52467     |
| 5962-0424301KXA                         | S2812D                              | 1          | DC/DC CONVERTER, +/-12 V OUTPUT, HYBRID           | IR Santa Clara  | 52467     |
| 5962-0424301KXC                         | S2812D                              | 1          | DC/DC CONVERTER, +/-12 V OUTPUT, HYBRID           | IR Santa Clara  | 52467     |
| 5962-0424401KXC                         | S2815D                              | 1          | DC/DC CONVERTER, +/-15 V OUTPUT, HYBRID           | IR Santa Clara  | 52467     |
| 5962-0424401KXA                         | S2815D                              | 1          | DC/DC CONVERTER, +/-15 V OUTPUT, HYBRID           | IR Santa Clara  | 52467     |
| 5962-0424501HXC                         | AMR2803R3S                          | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 VOLT, HYBRID | IR Santa Clara  | 52467     |
| 5962-0424501HXA                         | AMR2803R3S                          | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 VOLT, HYBRID | IR Santa Clara  | 52467     |
| 5962-0424601HXA                         | AMR2805S                            | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5 VOLT, HYBRID   | IR Santa Clara  | 52467     |
| 5962-0424601HXC                         | AMR2805S                            | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5 VOLT, HYBRID   | IR Santa Clara  | 52467     |
| 5962-0424701HXA                         | AMA2805S                            | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5 VOLT, HYBRID   | IR Santa Clara  | 52467     |
| 5962-0424701HXC                         | AMA2805S                            | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5 VOLT, HYBRID   | IR Santa Clara  | 52467     |
| 5962-0424801HXA                         | AMA2812S                            | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 12 VOLT, HYBRID  | IR Santa Clara  | 52467     |
| 5962-0424801HXC                         | AMA2812S                            | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 12 VOLT, HYBRID  | IR Santa Clara  | 52467     |
| 5962-0424901HXA                         | AMA2815S                            | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 15 VOLT, HYBRID  | IR Santa Clara  | 52467     |
| 5962-0424901HXC                         | AMA2815S                            | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 15 VOLT, HYBRID  | IR Santa Clara  | 52467     |
| 5962-0425001HXC                         | AMA2812D                            | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-12 VOLT, HYBRID | IR Santa Clara  | 52467     |
| 5962-0425001HXA                         | AMA2812D                            | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-12 VOLT, HYBRID | IR Santa Clara  | 52467     |
| 5962-0425101HXC                         | AMA2815D                            | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-15 VOLT, HYBRID | IR Santa Clara  | 52467     |
| 5962-0425101HXA                         | AMA2815D                            | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-15 VOLT, HYBRID | IR Santa Clara  | 52467     |
| 5962-0425201HXA                         | AMF2805S                            | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5 VOLT, HYBRID   | IR Santa Clara  | 52467     |
| 5962-0425201HXC                         | AMF2805S                            | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5 VOLT, HYBRID   | IR Santa Clara  | 52467     |
| 5962-0425301HXA                         | AMF2812S                            | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 12 VOLT          | IR Santa Clara  | 52467     |
| 5962-0425301HXC                         | AMF2812S                            | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 12 VOLT          | IR Santa Clara  | 52467     |
| 5962-0425401HXC                         | AMF2815S                            | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 15 VOLT          | IR Santa Clara  | 52467     |
| 5962-0425401HXA                         | AMF2815S                            | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 15 VOLT          | IR Santa Clara  | 52467     |
| 5962-0520201HCA                         | AS1595C014                          | 1          | FOUR-QUADRANT MULTIPLIER, HYBRID                  | Micross Comp,   | 0EU86     |
| 5962-0520301HCA                         | AS1648C014                          | 1          | VOLTAGE CONTROLLED OSCILLATOR, HYBRID             | Micross Comp,   | 0EU86     |

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description   | Approved Source | CAGE Code |
| 5962-0520501HXC                         | AHF2805D/CH                         | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-5 VOLT, HYBRID                   | IR Santa Clara  | 52467     |
| 5962-0520501HXA                         | AHF2805D/CH                         | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-5 VOLT, HYBRID                   | IR Santa Clara  | 52467     |
| 5962-0520501HZA                         | AHF2805DF/CH                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-5 VOLT, HYBRID                   | IR Santa Clara  | 52467     |
| 5962-0520501HZC                         | AHF2805DF/CH                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-5 VOLT, HYBRID                   | IR Santa Clara  | 52467     |
| 5962-0520901KXC                         | ACT8504-S                           | 1          | ANALOG MULTIPLEXER, 64 CHANNEL, HYBRID                             | Aeroflex        | 88379     |
| 5962-0520902KXC                         | ACT8505-S                           | 1          | ANALOG MULTIPLEXER, 64 CHANNEL, HYBRID                             | Aeroflex        | 88379     |
| 5962-0521901KXC                         | VRG8601-201-1S                      | 1C         | HYBRID, VOLTAGE REGULATOR, DUAL, POSITIVE AND NEGATIVE, ADJUSTABLE | Aeroflex        | 88379     |
| 5962-0521901KXA                         | VRG8601-201-2S                      | 1C         | HYBRID, VOLTAGE REGULATOR, DUAL, POSITIVE AND NEGATIVE, ADJUSTABLE | Aeroflex        | 88379     |
| 5962-0521901KYC                         | VRG8602-201-1S                      | 1C         | HYBRID, VOLTAGE REGULATOR, DUAL, POSITIVE AND NEGATIVE, ADJUSTABLE | Aeroflex        | 88379     |
| 5962-0521901KYA                         | VRG8602-201-2S                      | 1C         | HYBRID, VOLTAGE REGULATOR, DUAL, POSITIVE AND NEGATIVE, ADJUSTABLE | Aeroflex        | 88379     |
| 5962-0521903KXC                         | VRG8607-201-1S                      | 1C         | HYBRID, VOLTAGE REGULATOR, DUAL, POSITIVE, ADJUSTABLE              | Aeroflex        | 88379     |
| 5962-0521903KXA                         | VRG8607-201-2S                      | 1C         | HYBRID, VOLTAGE REGULATOR, DUAL, POSITIVE, ADJUSTABLE              | Aeroflex        | 88379     |
| 5962-0521903KYC                         | VRG8608-201-1S                      | 1C         | HYBRID, VOLTAGE REGULATOR, DUAL, POSITIVE, ADJUSTABLE              | Aeroflex        | 88379     |
| 5962-0521903KYA                         | VRG8608-201-2S                      | 1C         | HYBRID, VOLTAGE REGULATOR, DUAL, POSITIVE, ADJUSTABLE              | Aeroflex        | 88379     |
| 5962-0521904KYA                         | VRG8610-201-2S                      | 1C         | HYBRID, VOLTAGE REGULATOR, DUAL, NEGATIVE, ADJUSTABLE              | Aeroflex        | 88379     |
| 5962-0521904KXC                         | VRG8609-201-1S                      | 1C         | HYBRID, VOLTAGE REGULATOR, DUAL, NEGATIVE, ADJUSTABLE              | Aeroflex        | 88379     |
| 5962-0521904KYC                         | VRG8610-201-1S                      | 1C         | HYBRID, VOLTAGE REGULATOR, DUAL, NEGATIVE, ADJUSTABLE              | Aeroflex        | 88379     |
| 5962-0521904KXA                         | VRG8609-201-2S                      | 1C         | HYBRID, VOLTAGE REGULATOR, DUAL, NEGATIVE, ADJUSTABLE              | Aeroflex        | 88379     |
| 5962R0522001KSC                         | MSK5900KRH                          | 3B         | VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE, HYBRID                    | MSK             | 51651     |
| 5962R0522001KSA                         | MSK5900KRH                          | 3B         | VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE, HYBRID                    | MSK             | 51651     |
| 5962R0522001HSA                         | MSK5900HRH                          | 3B         | VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE, HYBRID                    | MSK             | 51651     |
| 5962R0522001HSC                         | MSK5900HRH                          | 3B         | VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE, HYBRID                    | MSK             | 51651     |
| 5962R0522002HTA                         | MSK5910HRH                          | 3B         | VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE, HYBRID                    | MSK             | 51651     |
| 5962R0522002HUA                         | MSK5910HRHG                         | 3B         | VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE, HYBRID                    | MSK             | 51651     |
| 5962R0522002HUC                         | MSK5910HRHG                         | 3B         | VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE, HYBRID                    | MSK             | 51651     |
| 5962R0522002KTA                         | MSK5910KRH                          | 3B         | VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE, HYBRID                    | MSK             | 51651     |
| 5962R0522002KTC                         | MSK5910KRH                          | 3B         | VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE, HYBRID                    | MSK             | 51651     |
| 5962R0522002KUA                         | MSK5910KRHG                         | 3B         | VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE, HYBRID                    | MSK             | 51651     |
| 5962R0522002KUC                         | MSK5910KRHG                         | 3B         | VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE, HYBRID                    | MSK             | 51651     |
| 5962R0522002HTC                         | MSK5910HRH                          | 3B         | VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE, HYBRID                    | MSK             | 51651     |
| 5962R0522003KXC                         | MSK5921KRHS                         | 3B         | VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE, HYBRID                    | MSK             | 51651     |
| 5962R0522003HXA                         | MSK5921HRHS                         | 3B         | VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE, HYBRID                    | MSK             | 51651     |
| 5962R0522003KZC                         | MSK5921KRHD                         | 3B         | VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE, HYBRID                    | MSK             | 51651     |
| 5962R0522003HZC                         | MSK5921HRHD                         | 3B         | VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE, HYBRID                    | MSK             | 51651     |
| 5962R0522003HXC                         | MSK5921HRHS                         | 3B         | VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE, HYBRID                    | MSK             | 51651     |
| 5962R0522003HYA                         | MSK5921HRHU                         | 3B         | VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE, HYBRID                    | MSK             | 51651     |
| 5962R0522003HYC                         | MSK5921HRHU                         | 3B         | VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE, HYBRID                    | MSK             | 51651     |
| 5962R0522003KYC                         | MSK5921KRHU                         | 3B         | VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE, HYBRID                    | MSK             | 51651     |



Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |   |                 |           |
|---|-------------------------------------|------------|---|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                          | Approved Source | CAGE Code |
| 5962R0522003KYA                         | MSK5921KRHU                         | 3B         | VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE, HYBRID   | MSK             | 51651     |
| 5962R0522003KZA                         | MSK5921KRHD                         | 3B         | VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE, HYBRID   | MSK             | 51651     |
| 5962R0522003KXA                         | MSK5921KRHS                         | 3B         | VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE, HYBRID   | MSK             | 51651     |
| 5962R0522003HZA                         | MSK5921HRHD                         | 3B         | VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE, HYBRID   | MSK             | 51651     |
| 5962R0522004HYA                         | MSK5920-1.5HRHU                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.5 V, HYBRID | MSK             | 51651     |
| 5962R0522004KXA                         | MSK5920-1.5KRHS                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.5 V, HYBRID | MSK             | 51651     |
| 5962R0522004HZA                         | MSK5920-1.5HRHD                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.5 V, HYBRID | MSK             | 51651     |
| 5962R0522004HZC                         | MSK5920-1.5HRHD                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.5 V, HYBRID | MSK             | 51651     |
| 5962R0522004HXC                         | MSK5920-1.5HRHS                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.5 V, HYBRID | MSK             | 51651     |
| 5962R0522004HYC                         | MSK5920-1.5HRHU                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.5 V, HYBRID | MSK             | 51651     |
| 5962R0522004KZA                         | MSK5920-1.5KRHD                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.5 V, HYBRID | MSK             | 51651     |
| 5962R0522004KZC                         | MSK5920-1.5KRHD                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.5 V, HYBRID | MSK             | 51651     |
| 5962R0522004KYA                         | MSK5920-1.5KRHU                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.5 V, HYBRID | MSK             | 51651     |
| 5962R0522004KYC                         | MSK5920-1.5KRHU                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.5 V, HYBRID | MSK             | 51651     |
| 5962R0522004HXA                         | MSK5920-1.5HRHS                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.5 V, HYBRID | MSK             | 51651     |
| 5962R0522004KXC                         | MSK5920-1.5KRHS                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.5 V, HYBRID | MSK             | 51651     |
| 5962R0522005HXC                         | MSK5920-1.9HRHS                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.9 V, HYBRID | MSK             | 51651     |
| 5962R0522005KZA                         | MSK5920-1.9KRHD                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.9 V, HYBRID | MSK             | 51651     |
| 5962R0522005KXA                         | MSK5920-1.9KRHS                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.9 V, HYBRID | MSK             | 51651     |
| 5962R0522005KZC                         | MSK5920-1.9KRHD                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.9 V, HYBRID | MSK             | 51651     |
| 5962R0522005HYA                         | MSK5920-1.9HRHU                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.9 V, HYBRID | MSK             | 51651     |
| 5962R0522005KYA                         | MSK5920-1.9KRHU                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.9 V, HYBRID | MSK             | 51651     |
| 5962R0522005HXA                         | MSK5920-1.9HRHS                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.9 V, HYBRID | MSK             | 51651     |
| 5962R0522005KYC                         | MSK5920-1.9KRHU                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.9 V, HYBRID | MSK             | 51651     |
| 5962R0522005HZC                         | MSK5920-1.9HRHD                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.9 V, HYBRID | MSK             | 51651     |
| 5962R0522005HZA                         | MSK5920-1.9HRHD                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.9 V, HYBRID | MSK             | 51651     |
| 5962R0522005KXC                         | MSK5920-1.9KRHS                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.9 V, HYBRID | MSK             | 51651     |
| 5962R0522005HYC                         | MSK5920-1.9HRHU                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.9 V, HYBRID | MSK             | 51651     |
| 5962R0522006KYC                         | MSK5920-2.5KRHU                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.5 V, HYBRID | MSK             | 51651     |
| 5962R0522006KYA                         | MSK5920-2.5KRHU                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.5 V, HYBRID | MSK             | 51651     |
| 5962R0522006KXC                         | MSK5920-2.5KRHS                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.5 V, HYBRID | MSK             | 51651     |
| 5962R0522006KXA                         | MSK5920-2.5KRHS                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.5 V, HYBRID | MSK             | 51651     |
| 5962R0522006HYA                         | MSK5920-2.5HRHU                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.5 V, HYBRID | MSK             | 51651     |
| 5962R0522006HXC                         | MSK5920-2.5HRHS                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.5 V, HYBRID | MSK             | 51651     |
| 5962R0522006HXA                         | MSK5920-2.5HRHS                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.5 V, HYBRID | MSK             | 51651     |
| 5962R0522006KZA                         | MSK5920-2.5KRHD                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.5 V, HYBRID | MSK             | 51651     |
| 5962R0522006HYC                         | MSK5920-2.5HRHU                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.5 V, HYBRID | MSK             | 51651     |
| 5962R0522006HZA                         | MSK5920-2.5HRHD                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.5 V, HYBRID | MSK             | 51651     |
| 5962R0522006HZC                         | MSK5920-2.5HRHD                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.5 V, HYBRID | MSK             | 51651     |
| 5962R0522006KZC                         | MSK5920-2.5KRHD                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.5 V, HYBRID | MSK             | 51651     |
| 5962R0522007KXC                         | MSK5920-2.8KRHS                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.8 V, HYBRID | MSK             | 51651     |
| 5962R0522007KYA                         | MSK5920-2.8KRHU                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.8 V, HYBRID | MSK             | 51651     |
| 5962R0522007KXA                         | MSK5920-2.8KRHS                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.8 V, HYBRID | MSK             | 51651     |
| 5962R0522007HXA                         | MSK5920-2.8HRHS                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.8 V, HYBRID | MSK             | 51651     |
| 5962R0522007KZC                         | MSK5920-2.8KRHD                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.8 V, HYBRID | MSK             | 51651     |
| 5962R0522007KZA                         | MSK5920-2.8KRHD                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.8 V, HYBRID | MSK             | 51651     |
| 5962R0522007KYC                         | MSK5920-2.8KRHU                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.8 V, HYBRID | MSK             | 51651     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |   |                 |           |
|---|-------------------------------------|------------|---|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                          | Approved Source | CAGE Code |
| 5962R0522007HXC                         | MSK5920-2.8HRHS                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.8 V, HYBRID | MSK             | 51651     |
| 5962R0522007HZC                         | MSK5920-2.8HRHD                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.8 V, HYBRID | MSK             | 51651     |
| 5962R0522007HZA                         | MSK5920-2.8HRHD                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.8 V, HYBRID | MSK             | 51651     |
| 5962R0522007HYC                         | MSK5920-2.8HRHU                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.8 V, HYBRID | MSK             | 51651     |
| 5962R0522007HYA                         | MSK5920-2.8HRHU                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.8 V, HYBRID | MSK             | 51651     |
| 5962R0522008HZA                         | MSK5920-3.3HRHD                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 3.3 V, HYBRID | MSK             | 51651     |
| 5962R0522008KZC                         | MSK5920-3.3KRHD                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 3.3 V, HYBRID | MSK             | 51651     |
| 5962R0522008KXC                         | MSK5920-3.3KRHD                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 3.3 V, HYBRID | MSK             | 51651     |
| 5962R0522008KXA                         | MSK5920-3.3KRHD                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 3.3 V, HYBRID | MSK             | 51651     |
| 5962R0522008HYC                         | MSK5920-3.3KRHU                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 3.3 V, HYBRID | MSK             | 51651     |
| 5962R0522008KYC                         | MSK5920-3.3KRHU                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 3.3 V, HYBRID | MSK             | 51651     |
| 5962R0522008HZC                         | MSK5920-3.3HRHD                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 3.3 V, HYBRID | MSK             | 51651     |
| 5962R0522008KYA                         | MSK5920-3.3KRHU                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 3.3 V, HYBRID | MSK             | 51651     |
| 5962R0522008HXC                         | MSK5920-3.3HRHD                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 3.3 V, HYBRID | MSK             | 51651     |
| 5962R0522008HXA                         | MSK5920-3.3HRHD                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 3.3 V, HYBRID | MSK             | 51651     |
| 5962R0522008HYA                         | MSK5920-3.3HRHU                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 3.3 V, HYBRID | MSK             | 51651     |
| 5962R0522008KZA                         | MSK5920-3.3KRHD                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 3.3 V, HYBRID | MSK             | 51651     |
| 5962R0522009KZC                         | MSK5920-5.0KRHD                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 5.0 V, HYBRID | MSK             | 51651     |
| 5962R0522009HXA                         | MSK5920-5.0HRHS                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 5.0 V, HYBRID | MSK             | 51651     |
| 5962R0522009KYA                         | MSK5920-5.0KRHU                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 5.0 V, HYBRID | MSK             | 51651     |
| 5962R0522009KXA                         | MSK5920-5.0KRHS                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 5.0 V, HYBRID | MSK             | 51651     |
| 5962R0522009KYC                         | MSK5920-5.0KRHU                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 5.0 V, HYBRID | MSK             | 51651     |
| 5962R0522009KZA                         | MSK5920-5.0KRHD                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 5.0 V, HYBRID | MSK             | 51651     |
| 5962R0522009HYC                         | MSK5920-5.0HRHU                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 5.0 V, HYBRID | MSK             | 51651     |
| 5962R0522009HYA                         | MSK5920-5.0HRHU                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 5.0 V, HYBRID | MSK             | 51651     |
| 5962R0522009HXC                         | MSK5920-5.0HRHS                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 5.0 V, HYBRID | MSK             | 51651     |
| 5962R0522009HZA                         | MSK5920-5.0HRHD                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 5.0 V, HYBRID | MSK             | 51651     |
| 5962R0522009HZC                         | MSK5920-5.0HRHD                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 5.0 V, HYBRID | MSK             | 51651     |
| 5962R0522009KXC                         | MSK5920-5.0KRHS                     | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 5.0 V, HYBRID | MSK             | 51651     |
| 5962-0522201HXC                         | AMF2812D                            | 1          | DC/DC CONVERTER, DUAL CHANNEL, 12 VOLT            | IR Santa Clara  | 52467     |
| 5962-0522201HXA                         | AMF2812D                            | 1          | DC/DC CONVERTER, DUAL CHANNEL, 12 VOLT            | IR Santa Clara  | 52467     |
| 5962-0522301HXC                         | AMF2815D                            | 1          | DC/DC CONVERTER, DUAL CHANNEL, 15 VOLT            | IR Santa Clara  | 52467     |
| 5962-0522301HXA                         | AMF2815D                            | 1          | DC/DC CONVERTER, DUAL CHANNEL, 15 VOLT            | IR Santa Clara  | 52467     |
| 5962-0523101HZC                         | AHP27003R3SZ/CH                     | 1B         | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 3.3 VOLT | IR Santa Clara  | 52467     |
| 5962-0523101HZA                         | AHP27003R3SZ/CH                     | 1B         | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 3.3 VOLT | IR Santa Clara  | 52467     |
| 5962-0523101HYC                         | AHP27003R3SY/CH                     | 1B         | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 3.3 VOLT | IR Santa Clara  | 52467     |
| 5962-0523101HYA                         | AHP27003R3SY/CH                     | 1B         | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 3.3 VOLT | IR Santa Clara  | 52467     |
| 5962-0523101HUA                         | AHP27003R3SW/CH                     | 1B         | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 3.3 VOLT | IR Santa Clara  | 52467     |
| 5962-0523101HXC                         | AHP27003R3SX/CH                     | 1B         | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 3.3 VOLT | IR Santa Clara  | 52467     |
| 5962-0523101HXA                         | AHP27003R3SX/CH                     | 1B         | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 3.3 VOLT | IR Santa Clara  | 52467     |
| 5962-0523101HUC                         | AHP27003R3SW/CH                     | 1B         | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 3.3 VOLT | IR Santa Clara  | 52467     |
| 5962-0523201HXA                         | AHP27005SX/CH                       | 1B         | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 5 VOLT   | IR Santa Clara  | 52467     |
| 5962-0523201HYA                         | AHP27005SY/CH                       | 1B         | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 5 VOLT   | IR Santa Clara  | 52467     |
| 5962-0523201HUC                         | AHP27005SW/CH                       | 1B         | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 5 VOLT   | IR Santa Clara  | 52467     |
| 5962-0523201HXC                         | AHP27005SX/CH                       | 1B         | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 5 VOLT   | IR Santa Clara  | 52467     |
| 5962-0523201HYC                         | AHP27005SY/CH                       | 1B         | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 5 VOLT   | IR Santa Clara  | 52467     |
| 5962-0523201HZA                         | AHP27005SZ/CH                       | 1B         | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 5 VOLT   | IR Santa Clara  | 52467     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |   |                 |           |
|---|-------------------------------------|------------|---|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                          | Approved Source | CAGE Code |
| 5962-0523201HZC                         | AHP27005SZ/CH                       | 1B         | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 5 VOLT   | IR Santa Clara  | 52467     |
| 5962-0523201HUA                         | AHP27005SW/CH                       | 1B         | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 5 VOLT   | IR Santa Clara  | 52467     |
| 5962-0523301HXC                         | AHP27012SX/CH                       | 1B         | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 12 VOLT  | IR Santa Clara  | 52467     |
| 5962-0523301HUA                         | AHP27012SW/CH                       | 1B         | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 12 VOLT  | IR Santa Clara  | 52467     |
| 5962-0523301HXA                         | AHP27012SX/CH                       | 1B         | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 12 VOLT  | IR Santa Clara  | 52467     |
| 5962-0523301HYA                         | AHP27012SY/CH                       | 1B         | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 12 VOLT  | IR Santa Clara  | 52467     |
| 5962-0523301HZA                         | AHP27012SZ/CH                       | 1B         | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 12 VOLT  | IR Santa Clara  | 52467     |
| 5962-0523301HZC                         | AHP27012SZ/CH                       | 1B         | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 12 VOLT  | IR Santa Clara  | 52467     |
| 5962-0523301HUC                         | AHP27012SW/CH                       | 1B         | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 12 VOLT  | IR Santa Clara  | 52467     |
| 5962-0523301HYC                         | AHP27012SY/CH                       | 1B         | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 12 VOLT  | IR Santa Clara  | 52467     |
| 5962-0523401HXC                         | AHP27015SX/CHC                      | 1B         | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 15 V     | IR Santa Clara  | 52467     |
| 5962-0523401HZA                         | AHP27015SZ/CHA                      | 1B         | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 15 V     | IR Santa Clara  | 52467     |
| 5962-0523401HYC                         | AHP27015SY/CHC                      | 1B         | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 15 V     | IR Santa Clara  | 52467     |
| 5962-0523401HYA                         | AHP27015SY/CHA                      | 1B         | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 15 V     | IR Santa Clara  | 52467     |
| 5962-0523401HXA                         | AHP27015SX/CHA                      | 1B         | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 15 V     | IR Santa Clara  | 52467     |
| 5962-0523401HUC                         | AHP27015SW/CHC                      | 1B         | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 15 V     | IR Santa Clara  | 52467     |
| 5962-0523401HUA                         | AHP27015SW/CHA                      | 1B         | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 15 V     | IR Santa Clara  | 52467     |
| 5962-0523401HZC                         | AHP27015SZ/CHC                      | 1B         | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 15 V     | IR Santa Clara  | 52467     |
| 5962-0523501HXC                         | AHP27005DX/CHC                      | 1B         | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, 5 V        | IR Santa Clara  | 52467     |
| 5962-0523501HUA                         | AHP27005DW/CHA                      | 1B         | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, 5 V        | IR Santa Clara  | 52467     |
| 5962-0523501HUC                         | AHP27005DW/CHC                      | 1B         | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, 5 V        | IR Santa Clara  | 52467     |
| 5962-0523501HXA                         | AHP27005DX/CHA                      | 1B         | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, 5 V        | IR Santa Clara  | 52467     |
| 5962-0523501HYC                         | AHP27005DY/CHC                      | 1B         | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, 5 V        | IR Santa Clara  | 52467     |
| 5962-0523501HZC                         | AHP27005DZ/CHA                      | 1B         | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, 5 V        | IR Santa Clara  | 52467     |
| 5962-0523501HYA                         | AHP27005DY/CHA                      | 1B         | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, 5 V        | IR Santa Clara  | 52467     |
| 5962-0523501HZA                         | AHP27005DZ/CHA                      | 1B         | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, 5 V        | IR Santa Clara  | 52467     |
| 5962-0523801KXA                         | LS2801R5S                           | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 1.5 VOLT, HYBRID | IR Santa Clara  | 52467     |
| 5962-0523801KXC                         | LS2801R5S                           | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 1.5 VOLT, HYBRID | IR Santa Clara  | 52467     |
| 5962-0523901KXA                         | LS2803R3S                           | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 VOLT, HYBRID | IR Santa Clara  | 52467     |
| 5962-0523901KXC                         | LS2803R3S                           | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 VOLT, HYBRID | IR Santa Clara  | 52467     |
| 5962-0524001KXA                         | LS2805S                             | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5 VOLT, HYBRID   | IR Santa Clara  | 52467     |
| 5962-0524001KXC                         | LS2805S                             | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5 VOLT, HYBRID   | IR Santa Clara  | 52467     |
| 5962-0524101KXA                         | LS2812D                             | 1          | DC/DC CONVERTER, +/-12 V OUTPUT, HYBRID           | IR Santa Clara  | 52467     |
| 5962-0524101KXC                         | LS2812D                             | 1          | DC/DC CONVERTER, +/-12 V OUTPUT, HYBRID           | IR Santa Clara  | 52467     |
| 5962-0524201KXA                         | LS2815D                             | 1          | DC/DC CONVERTER, +/-15 V OUTPUT, HYBRID           | IR Santa Clara  | 52467     |
| 5962-0524201KXC                         | LS2815D                             | 1          | DC/DC CONVERTER, +/-15 V OUTPUT, HYBRID           | IR Santa Clara  | 52467     |
| 06004-01HXC                             | DVMA28/H                            | 1          | FILTER, EMI, 28 V, 1.0 A                          | VPT             | 0ZBZ6     |
| 06004-01KXA                             | DVMA28/K-E                          | 1          | FILTER, EMI, 28 V, 1.0 A                          | VPT             | 0ZBZ6     |
| 06004-01HXA                             | DVMA28/H-E                          | 1          | FILTER, EMI, 28 V, 1.0 A                          | VPT             | 0ZBZ6     |
| 06004-01KXC                             | DVMA28/K                            | 1          | FILTER, EMI, 28 V, 1.0 A                          | VPT             | 0ZBZ6     |
| 06005-01HYA                             | DVMH28F/H-E                         | 1          | FILTER, EMI, 28 V, 2.0 A                          | VPT             | 0ZBZ6     |
| 06005-01KYA                             | DVMH28F/K-E                         | 1          | FILTER, EMI, 28 V, 2.0 A                          | VPT             | 0ZBZ6     |
| 06005-01KYC                             | DVMH28F/K                           | 1          | FILTER, EMI, 28 V, 2.0 A                          | VPT             | 0ZBZ6     |
| 06005-01HXC                             | DVMH28/H                            | 1          | FILTER, EMI, 28 V, 2.0 A                          | VPT             | 0ZBZ6     |
| 06005-01HYC                             | DVMH28F/H                           | 1          | FILTER, EMI, 28 V, 2.0 A                          | VPT             | 0ZBZ6     |
| 06005-01KXA                             | DVMH28/K-E                          | 1          | FILTER, EMI, 28 V, 2.0 A                          | VPT             | 0ZBZ6     |
| 06005-01KXC                             | DVMH28/K                            | 1          | FILTER, EMI, 28 V, 2.0 A                          | VPT             | 0ZBZ6     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description               | Approved Source | CAGE Code |
| 06005-01HXA                             | DVMH28/H-E                          | 1          | FILTER, EMI, 28 V, 2.0 A               | VPT             | 0ZBZ6     |
| 06023-01HXC                             | DVMC28/H                            | 1          | FILTER, EMI, 28 V, 4.0 A               | VPT             | 0ZBZ6     |
| 06023-01KYA                             | DVMC28F/K-E                         | 1          | FILTER, EMI, 28 V, 4.0 A               | VPT             | 0ZBZ6     |
| 06023-01KXC                             | DVMC28/K                            | 1          | FILTER, EMI, 28 V, 4.0 A               | VPT             | 0ZBZ6     |
| 06023-01KXA                             | DVMC28/K-E                          | 1          | FILTER, EMI, 28 V, 4.0 A               | VPT             | 0ZBZ6     |
| 06023-01HYC                             | DVMC28F/H                           | 1          | FILTER, EMI, 28 V, 4.0 A               | VPT             | 0ZBZ6     |
| 06023-01HYA                             | DVMC28F/H-E                         | 1          | FILTER, EMI, 28 V, 4.0 A               | VPT             | 0ZBZ6     |
| 06023-01HXA                             | DVMC28/H-E                          | 1          | FILTER, EMI, 28 V, 4.0 A               | VPT             | 0ZBZ6     |
| 06023-01KYC                             | DVMC28F/K                           | 1          | FILTER, EMI, 28 V, 4.0 A               | VPT             | 0ZBZ6     |
| 06024-01HXC                             | DVMD28F/H                           | 1          | FILTER, EMI, 28 V, 7.0 A               | VPT             | 0ZBZ6     |
| 06024-01HXA                             | DVMD28F/H-E                         | 1          | FILTER, EMI, 28 V, 7.0 A               | VPT             | 0ZBZ6     |
| 06024-01KXC                             | DVMD28F/K                           | 1          | FILTER, EMI, 28 V, 7.0 A               | VPT             | 0ZBZ6     |
| 06024-01KXA                             | DVMD28F/K-E                         | 1          | FILTER, EMI, 28 V, 7.0 A               | VPT             | 0ZBZ6     |
| 5962P0620901HTA                         | SMFLHP283R3SW/HP                    | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V | Crane           | 50821     |
| 5962P0620901HUC                         | SMFLHP283R3SV/HP                    | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V | Crane           | 50821     |
| 5962R0620901HUA                         | SMFLHP283R3SV/HR                    | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V | Crane           | 50821     |
| 5962R0620901HUC                         | SMFLHP283R3SV/HR                    | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V | Crane           | 50821     |
| 5962L0620901KUA                         | SMFLHP283R3SV/KL                    | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V | Crane           | 50821     |
| 5962L0620901KUC                         | SMFLHP283R3SV/KL                    | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V | Crane           | 50821     |
| 5962P0620901KUA                         | SMFLHP283R3SV/KP                    | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V | Crane           | 50821     |
| 5962P0620901KUC                         | SMFLHP283R3SV/KP                    | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V | Crane           | 50821     |
| 5962R0620901KUC                         | SMFLHP283R3SV/KR                    | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V | Crane           | 50821     |
| 5962L0620901HTA                         | SMFLHP283R3SW/HL                    | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V | Crane           | 50821     |
| 5962-0620901HXA                         | SMFLHP283R3S/HO                     | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V | Crane           | 50821     |
| 5962L0620901HTC                         | SMFLHP283R3SW/HL                    | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V | Crane           | 50821     |
| 5962-0620901HTA                         | SMFLHP283R3SW/HO                    | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V | Crane           | 50821     |
| 5962-0620901HTC                         | SMFLHP283R3SW/HO                    | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V | Crane           | 50821     |
| 5962P0620901HUA                         | SMFLHP283R3SV/HP                    | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V | Crane           | 50821     |
| 5962R0620901KUA                         | SMFLHP283R3SV/KR                    | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V | Crane           | 50821     |
| 5962L0620901KXC                         | SMFLHP283R3S/KL                     | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V | Crane           | 50821     |
| 5962L0620901HXA                         | SMFLHP283R3S/HL                     | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V | Crane           | 50821     |
| 5962L0620901HXC                         | SMFLHP283R3S/HL                     | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V | Crane           | 50821     |
| 5962L0620901HYA                         | SMFLHP283R3SY/HL                    | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V | Crane           | 50821     |
| 5962-0620901HXC                         | SMFLHP283R3S/HO                     | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V | Crane           | 50821     |
| 5962P0620901HTC                         | SMFLHP283R3SW/HP                    | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V | Crane           | 50821     |
| 5962P0620901HXC                         | SMFLHP283R3S/HP                     | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V | Crane           | 50821     |
| 5962R0620901HXA                         | SMFLHP283R3S/HR                     | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V | Crane           | 50821     |
| 5962P0620901HXA                         | SMFLHP283R3S/HP                     | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V | Crane           | 50821     |
| 5962L0620901KXA                         | SMFLHP283R3S/KL                     | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V | Crane           | 50821     |
| 5962-0620901HUC                         | SMFLHP283R3SV/HO                    | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V | Crane           | 50821     |
| 5962P0620901KXA                         | SMFLHP283R3S/KP                     | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V | Crane           | 50821     |
| 5962P0620901KXC                         | SMFLHP283R3S/KP                     | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V | Crane           | 50821     |
| 5962R0620901KXA                         | SMFLHP283R3S/KR                     | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V | Crane           | 50821     |
| 5962R0620901KXC                         | SMFLHP283R3S/KR                     | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V | Crane           | 50821     |
| 5962L0620901HUA                         | SMFLHP283R3SV/HL                    | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V | Crane           | 50821     |
| 5962L0620901HUC                         | SMFLHP283R3SV/HL                    | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V | Crane           | 50821     |
| 5962-0620901HUA                         | SMFLHP283R3SV/HO                    | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V | Crane           | 50821     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                     | Approved Source | CAGE Code |
| 5962R0620901HXC                         | SMFLHP283R3S/HR                     | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962R0620901KTA                         | SMFLHP283R3SW/KR                    | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962R0620901KYC                         | SMFLHP283R3SY/KR                    | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962L0620901HZA                         | SMFLHP283R3SZ/HL                    | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962L0620901HZC                         | SMFLHP283R3SZ/HL                    | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962-0620901HZA                         | SMFLHP283R3SZ/HO                    | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962-0620901HZC                         | SMFLHP283R3SZ/HO                    | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962P0620901HZA                         | SMFLHP283R3SZ/HP                    | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962R0620901KYA                         | SMFLHP283R3SY/KR                    | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962R0620901HZA                         | SMFLHP283R3SZ/HR                    | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962P0620901HZC                         | SMFLHP283R3SZ/HP                    | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962L0620901KZA                         | SMFLHP283R3SZ/KL                    | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962L0620901KZC                         | SMFLHP283R3SZ/KL                    | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962P0620901KZA                         | SMFLHP283R3SZ/KP                    | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962P0620901KZC                         | SMFLHP283R3SZ/KP                    | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962R0620901KZA                         | SMFLHP283R3SZ/KR                    | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962R0620901KZC                         | SMFLHP283R3SZ/KR                    | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962R0620901HTA                         | SMFLHP283R3SW/HR                    | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962R0620901KTC                         | SMFLHP283R3SW/KR                    | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962R0620901HZC                         | SMFLHP283R3SZ/HR                    | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962P0620901KYC                         | SMFLHP283R3SY/KP                    | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962L0620901KTA                         | SMFLHP283R3SW/KL                    | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962L0620901KTC                         | SMFLHP283R3SW/KL                    | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962P0620901KTC                         | SMFLHP283R3SW/KP                    | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962R0620901HTC                         | SMFLHP283R3SW/HR                    | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962L0620901HYC                         | SMFLHP283R3SY/HL                    | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962-0620901HYA                         | SMFLHP283R3SY/HO                    | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962L0620901KYC                         | SMFLHP283R3SY/KL                    | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962P0620901KTA                         | SMFLHP283R3SW/KP                    | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962P0620901KYA                         | SMFLHP283R3SY/KP                    | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962-0620901HYC                         | SMFLHP283R3SY/HO                    | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962L0620901KYA                         | SMFLHP283R3SY/KL                    | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962R0620901HYC                         | SMFLHP283R3SY/HR                    | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962R0620901HYA                         | SMFLHP283R3SY/HR                    | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962P0620901HYC                         | SMFLHP283R3SY/HP                    | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962P0620901HYA                         | SMFLHP283R3SY/HP                    | 0          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962R0621001HXC                         | SMSA283R3S/HR                       | 1          | DC/DC CONVERTER, 4 W, +3.3 V OUTPUTS, HYBRID | Crane           | 50821     |
| 5962R0621001KXA                         | SMSA283R3S/KR                       | 1          | DC/DC CONVERTER, 4 W, +3.3 V OUTPUTS, HYBRID | Crane           | 50821     |
| 5962P0621001KXC                         | SMSA283R3S/KP                       | 1          | DC/DC CONVERTER, 4 W, +3.3 V OUTPUTS, HYBRID | Crane           | 50821     |
| 5962P0621001KXA                         | SMSA283R3S/KP                       | 1          | DC/DC CONVERTER, 4 W, +3.3 V OUTPUTS, HYBRID | Crane           | 50821     |
| 5962L0621001KXC                         | SMSA283R3S/KL                       | 1          | DC/DC CONVERTER, 4 W, +3.3 V OUTPUTS, HYBRID | Crane           | 50821     |
| 5962L0621001KXA                         | SMSA283R3S/KL                       | 1          | DC/DC CONVERTER, 4 W, +3.3 V OUTPUTS, HYBRID | Crane           | 50821     |
| 5962R0621001KXC                         | SMSA283R3S/KR                       | 1          | DC/DC CONVERTER, 4 W, +3.3 V OUTPUTS, HYBRID | Crane           | 50821     |
| 5962R0621001HXA                         | SMSA283R3S/HR                       | 1          | DC/DC CONVERTER, 4 W, +3.3 V OUTPUTS, HYBRID | Crane           | 50821     |
| 5962P0621001HXC                         | SMSA283R3S/HP                       | 1          | DC/DC CONVERTER, 4 W, +3.3 V OUTPUTS, HYBRID | Crane           | 50821     |
| 5962P0621001HXA                         | SMSA283R3S/HP                       | 1          | DC/DC CONVERTER, 4 W, +3.3 V OUTPUTS, HYBRID | Crane           | 50821     |
| 5962-0621001HXC                         | SMSA283R3S/HO                       | 1          | DC/DC CONVERTER, 4 W, +3.3 V OUTPUTS, HYBRID | Crane           | 50821     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                     | Approved Source | CAGE Code |
| 5962-0621001HXA                         | SMSA283R3S/HO                       | 1          | DC/DC CONVERTER, 4 W, +3.3 V OUTPUTS, HYBRID | Crane           | 50821     |
| 5962L0621001HXC                         | SMSA283R3S/HL                       | 1          | DC/DC CONVERTER, 4 W, +3.3 V OUTPUTS, HYBRID | Crane           | 50821     |
| 5962L0621001HXA                         | SMSA283R3S/HL                       | 1          | DC/DC CONVERTER, 4 W, +3.3 V OUTPUTS, HYBRID | Crane           | 50821     |
| 5962-0621301HXC                         | MFL283R3S/883                       | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962-0621301HXA                         | MFL283R3S/883                       | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962P0621302HXA                         | SMFL283R3S/HP                       | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962R0621302HUA                         | SMFL283R3SV/HR                      | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962L0621302KZA                         | SMFL283R3SZ/KL                      | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962-0621302HXA                         | SMFL283R3S/HO                       | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962L0621302HYC                         | SMFL283R3SY/HL                      | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962R0621302KUA                         | SMFL283R3SV/KR                      | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962P0621302KUC                         | SMFL283R3SV/KP                      | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962L0621302KUC                         | SMFL283R3SV/KL                      | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962L0621302HTA                         | SMFL283R3SW/HL                      | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962R0621302HUC                         | SMFL283R3SV/HR                      | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962R0621302KZA                         | SMFL283R3SZ/KR                      | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962R0621302HTC                         | SMFL283R3SW/HR                      | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962P0621302HUA                         | SMFL283R3SV/HP                      | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962-0621302HUA                         | SMFL283R3SV/HO                      | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962P0621302KZC                         | SMFL283R3SZ/KP                      | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962P0621302KZA                         | SMFL283R3SZ/KP                      | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962L0621302KZC                         | SMFL283R3SZ/KL                      | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962L0621302KUA                         | SMFL283R3SV/KL                      | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962L0621302HYA                         | SMFL283R3SY/HL                      | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962L0621302KTA                         | SMFL283R3SW/KL                      | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962L0621302KTC                         | SMFL283R3SW/KL                      | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962R0621302KZC                         | SMFL283R3SZ/KR                      | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962P0621302KTA                         | SMFL283R3SW/KP                      | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962P0621302KUA                         | SMFL283R3SV/KP                      | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962P0621302KTC                         | SMFL283R3SW/KP                      | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962R0621302KUC                         | SMFL283R3SV/KR                      | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962R0621302KTC                         | SMFL283R3SW/KR                      | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962-0621302HUC                         | SMFL283R3SV/HO                      | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962R0621302HTA                         | SMFL283R3SW/HR                      | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962P0621302HTC                         | SMFL283R3SW/HP                      | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962P0621302HTA                         | SMFL283R3SW/HP                      | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962-0621302HTC                         | SMFL283R3SW/HO                      | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962-0621302HTA                         | SMFL283R3SW/HO                      | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962L0621302HTC                         | SMFL283R3SW/HL                      | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962R0621302KTA                         | SMFL283R3SW/KR                      | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962L0621302KYC                         | SMFL283R3SY/KL                      | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962-0621302HZC                         | SMFL283R3SZ/HO                      | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962R0621302HZC                         | SMFL283R3SZ/HR                      | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962L0621302HZC                         | SMFL283R3SZ/HL                      | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962P0621302HUC                         | SMFL283R3SV/HP                      | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962R0621302KYC                         | SMFL283R3SY/KR                      | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |
| 5962R0621302KYA                         | SMFL283R3SY/KR                      | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V       | Crane           | 50821     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                       | Approved Source | CAGE Code |
| 5962L0621302HXA                         | SMFL283R3S/HL                       | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V         | Crane           | 50821     |
| 5962P0621302KYA                         | SMFL283R3SY/KP                      | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V         | Crane           | 50821     |
| 5962-0621302HZA                         | SMFL283R3SZ/HO                      | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V         | Crane           | 50821     |
| 5962L0621302KYA                         | SMFL283R3SY/KL                      | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V         | Crane           | 50821     |
| 5962R0621302HYC                         | SMFL283R3SY/HR                      | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V         | Crane           | 50821     |
| 5962R0621302HYA                         | SMFL283R3SY/HR                      | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V         | Crane           | 50821     |
| 5962P0621302HYC                         | SMFL283R3SY/HP                      | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V         | Crane           | 50821     |
| 5962P0621302HYA                         | SMFL283R3SY/HP                      | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V         | Crane           | 50821     |
| 5962-0621302HYC                         | SMFL283R3SY/HO                      | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V         | Crane           | 50821     |
| 5962-0621302HYA                         | SMFL283R3SY/HO                      | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V         | Crane           | 50821     |
| 5962P0621302KYC                         | SMFL283R3SY/KP                      | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V         | Crane           | 50821     |
| 5962L0621302KXA                         | SMFL283R3S/KL                       | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V         | Crane           | 50821     |
| 5962P0621302KXC                         | SMFL283R3S/KP                       | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V         | Crane           | 50821     |
| 5962L0621302HZA                         | SMFL283R3SZ/HL                      | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V         | Crane           | 50821     |
| 5962R0621302KXA                         | SMFL283R3S/KR                       | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V         | Crane           | 50821     |
| 5962L0621302HXC                         | SMFL283R3S/HL                       | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V         | Crane           | 50821     |
| 5962R0621302KXC                         | SMFL283R3S/KR                       | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V         | Crane           | 50821     |
| 5962L0621302HUA                         | SMFL283R3SV/HL                      | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V         | Crane           | 50821     |
| 5962L0621302HUC                         | SMFL283R3SV/HL                      | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V         | Crane           | 50821     |
| 5962L0621302KXC                         | SMFL283R3S/KL                       | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V         | Crane           | 50821     |
| 5962R0621302HXC                         | SMFL283R3S/HR                       | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V         | Crane           | 50821     |
| 5962R0621302HXA                         | SMFL283R3S/HR                       | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V         | Crane           | 50821     |
| 5962P0621302HXC                         | SMFL283R3S/HP                       | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V         | Crane           | 50821     |
| 5962P0621302HZA                         | SMFL283R3SZ/HP                      | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V         | Crane           | 50821     |
| 5962P0621302HZC                         | SMFL283R3SZ/HP                      | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V         | Crane           | 50821     |
| 5962R0621302HZA                         | SMFL283R3SZ/HR                      | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V         | Crane           | 50821     |
| 5962-0621302HXC                         | SMFL283R3S/HO                       | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V         | Crane           | 50821     |
| 5962P0621302KXA                         | SMFL283R3S/KP                       | 1B         | DC-DC CONVERTER, SINGLE CHANNEL, 3.3 V         | Crane           | 50821     |
| 5962R0622001HXC                         | SMRT283R3S/HR                       | 0          | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V | Crane           | 50821     |
| 5962-0622001HXA                         | SMRT283R3S/HO                       | 0          | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V | Crane           | 50821     |
| 5962-0622001HXC                         | SMRT283R3S/HO                       | 0          | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V | Crane           | 50821     |
| 5962P0622001HXA                         | SMRT283R3S/HP                       | 0          | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V | Crane           | 50821     |
| 5962R0622001HXA                         | SMRT283R3S/HR                       | 0          | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V | Crane           | 50821     |
| 5962F0622001KXA                         | SMRT283R3S/KF                       | 0          | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V | Crane           | 50821     |
| 5962F0622001KXC                         | SMRT283R3S/KF                       | 0          | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V | Crane           | 50821     |
| 5962P0622001KXA                         | SMRT283R3S/KP                       | 0          | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V | Crane           | 50821     |
| 5962P0622001KXC                         | SMRT283R3S/KP                       | 0          | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V | Crane           | 50821     |
| 5962R0622001KXA                         | SMRT283R3S/KR                       | 0          | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V | Crane           | 50821     |
| 5962R0622001KXC                         | SMRT283R3S/KR                       | 0          | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V | Crane           | 50821     |
| 5962P0622001HXC                         | SMRT283R3S/HP                       | 0          | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 3.3 V | Crane           | 50821     |
| 5962R0622101KXC                         | SMRT2805S/KR                        | 0          | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 5 V   | Crane           | 50821     |
| 5962-0622101HXA                         | SMRT2805S/HO                        | 0          | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 5 V   | Crane           | 50821     |
| 5962-0622101HXC                         | SMRT2805S/HO                        | 0          | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 5 V   | Crane           | 50821     |
| 5962P0622101HXA                         | SMRT2805S/HP                        | 0          | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 5 V   | Crane           | 50821     |
| 5962P0622101HXC                         | SMRT2805S/HP                        | 0          | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 5 V   | Crane           | 50821     |
| 5962R0622101HXA                         | SMRT2805S/HR                        | 0          | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 5 V   | Crane           | 50821     |
| 5962R0622101HXC                         | SMRT2805S/HR                        | 0          | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 5 V   | Crane           | 50821     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |   |                 |           |
|---|-------------------------------------|------------|---|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                                  | Approved Source | CAGE Code |
| 5962F0622101KXA                         | SMRT2805S/KF                        | 0          | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 5 V              | Crane           | 50821     |
| 5962F0622101KXC                         | SMRT2805S/KF                        | 0          | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 5 V              | Crane           | 50821     |
| 5962P0622101KXA                         | SMRT2805S/KP                        | 0          | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 5 V              | Crane           | 50821     |
| 5962R0622101KXA                         | SMRT2805S/KR                        | 0          | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 5 V              | Crane           | 50821     |
| 5962P0622101KXC                         | SMRT2805S/KP                        | 0          | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 5 V              | Crane           | 50821     |
| 5962F0622201KXC                         | SMRT2815S/KF                        | 0          | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 15 V             | Crane           | 50821     |
| 5962R0622201KXC                         | SMRT2815S/KR                        | 0          | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 15 V             | Crane           | 50821     |
| 5962R0622201KXA                         | SMRT2815S/KR                        | 0          | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 15 V             | Crane           | 50821     |
| 5962P0622201KXC                         | SMRT2815S/KP                        | 0          | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 15 V             | Crane           | 50821     |
| 5962P0622201KXA                         | SMRT2815S/KP                        | 0          | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 15 V             | Crane           | 50821     |
| 5962-0622201HXA                         | SMRT2815S/HO                        | 0          | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 15 V             | Crane           | 50821     |
| 5962-0622201HXC                         | SMRT2815S/HO                        | 0          | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 15 V             | Crane           | 50821     |
| 5962P0622201HXA                         | SMRT2815S/HP                        | 0          | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 15 V             | Crane           | 50821     |
| 5962P0622201HXC                         | SMRT2815S/HP                        | 0          | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 15 V             | Crane           | 50821     |
| 5962R0622201HXA                         | SMRT2815S/HR                        | 0          | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 15 V             | Crane           | 50821     |
| 5962F0622201KXA                         | SMRT2815S/KF                        | 0          | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 15 V             | Crane           | 50821     |
| 5962R0622201HXC                         | SMRT2815S/HR                        | 0          | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 15 V             | Crane           | 50821     |
| 5962-0622301HXA                         | SMRT2805D/HO                        | 0          | DC/DC CONVERTER, DUAL CHANNEL, 5 V, HYBRID                | Crane           | 50821     |
| 5962-0622301HXC                         | SMRT2805D/HO                        | 0          | DC/DC CONVERTER, DUAL CHANNEL, 5 V, HYBRID                | Crane           | 50821     |
| 5962P0622301HXA                         | SMRT2805D/HP                        | 0          | DC/DC CONVERTER, DUAL CHANNEL, 5 V, HYBRID                | Crane           | 50821     |
| 5962P0622301HXC                         | SMRT2805D/HP                        | 0          | DC/DC CONVERTER, DUAL CHANNEL, 5 V, HYBRID                | Crane           | 50821     |
| 5962R0622301HXA                         | SMRT2805D/HR                        | 0          | DC/DC CONVERTER, DUAL CHANNEL, 5 V, HYBRID                | Crane           | 50821     |
| 5962R0622301HXC                         | SMRT2805D/HR                        | 0          | DC/DC CONVERTER, DUAL CHANNEL, 5 V, HYBRID                | Crane           | 50821     |
| 5962R0622301KXC                         | SMRT2805D/KR                        | 0          | DC/DC CONVERTER, DUAL CHANNEL, 5 V, HYBRID                | Crane           | 50821     |
| 5962R0622301KXA                         | SMRT2805D/KR                        | 0          | DC/DC CONVERTER, DUAL CHANNEL, 5 V, HYBRID                | Crane           | 50821     |
| 5962F0622301KXA                         | SMRT2805D/KF                        | 0          | DC/DC CONVERTER, DUAL CHANNEL, 5 V, HYBRID                | Crane           | 50821     |
| 5962F0622301KXC                         | SMRT2805D/KF                        | 0          | DC/DC CONVERTER, DUAL CHANNEL, 5 V, HYBRID                | Crane           | 50821     |
| 5962P0622301KXA                         | SMRT2805D/KP                        | 0          | DC/DC CONVERTER, DUAL CHANNEL, 5 V, HYBRID                | Crane           | 50821     |
| 5962P0622301KXC                         | SMRT2805D/KP                        | 0          | DC/DC CONVERTER, DUAL CHANNEL, 5 V, HYBRID                | Crane           | 50821     |
| 5962F0622401KXA                         | SMRT2815D/KF                        | 0          | DC/DC CONVERTER, DUAL CHANNEL, 15 V, HYBRID               | Crane           | 50821     |
| 5962P0622401HXC                         | SMRT2815D/HP                        | 0          | DC/DC CONVERTER, DUAL CHANNEL, 15 V, HYBRID               | Crane           | 50821     |
| 5962P0622401KXC                         | SMRT2815D/KP                        | 0          | DC/DC CONVERTER, DUAL CHANNEL, 15 V, HYBRID               | Crane           | 50821     |
| 5962R0622401HXC                         | SMRT2815D/HR                        | 0          | DC/DC CONVERTER, DUAL CHANNEL, 15 V, HYBRID               | Crane           | 50821     |
| 5962R0622401HXA                         | SMRT2815D/HR                        | 0          | DC/DC CONVERTER, DUAL CHANNEL, 15 V, HYBRID               | Crane           | 50821     |
| 5962-0622401HXA                         | SMRT2815D/HO                        | 0          | DC/DC CONVERTER, DUAL CHANNEL, 15 V, HYBRID               | Crane           | 50821     |
| 5962-0622401HXC                         | SMRT2815D/HO                        | 0          | DC/DC CONVERTER, DUAL CHANNEL, 15 V, HYBRID               | Crane           | 50821     |
| 5962P0622401HXA                         | SMRT2815D/HP                        | 0          | DC/DC CONVERTER, DUAL CHANNEL, 15 V, HYBRID               | Crane           | 50821     |
| 5962P0622401KXA                         | SMRT2815D/KP                        | 0          | DC/DC CONVERTER, DUAL CHANNEL, 15 V, HYBRID               | Crane           | 50821     |
| 5962R0622401KXA                         | SMRT2815D/KR                        | 0          | DC/DC CONVERTER, DUAL CHANNEL, 15 V, HYBRID               | Crane           | 50821     |
| 5962R0622401KXC                         | SMRT2815D/KR                        | 0          | DC/DC CONVERTER, DUAL CHANNEL, 15 V, HYBRID               | Crane           | 50821     |
| 5962F0622401KXC                         | SMRT2815D/KF                        | 0          | DC/DC CONVERTER, DUAL CHANNEL, 15 V, HYBRID               | Crane           | 50821     |
| 5962R0622501KXC                         | SMRT28512T/KR                       | 0          | DC/DC CONVERTER, TRIPLE CHANNEL, +5 V AND +/-12 V, HYBRID | Crane           | 50821     |
| 5962R0622501KXA                         | SMRT28512T/KR                       | 0          | DC/DC CONVERTER, TRIPLE CHANNEL, +5 V AND +/-12 V, HYBRID | Crane           | 50821     |
| 5962P0622501KXC                         | SMRT28512T/KP                       | 0          | DC/DC CONVERTER, TRIPLE CHANNEL, +5 V AND +/-12 V, HYBRID | Crane           | 50821     |



Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |   |                 |           |
|---|-------------------------------------|------------|---|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description  | Approved Source | CAGE Code |
| 5962P0622501KXA                         | SMRT28512T/KP                       | 0          | DC/DC CONVERTER, TRIPLE CHANNEL, +5 V AND +/-12 V, HYBRID       | Crane           | 50821     |
| 5962F0622501KXC                         | SMRT28512T/KF                       | 0          | DC/DC CONVERTER, TRIPLE CHANNEL, +5 V AND +/-12 V, HYBRID       | Crane           | 50821     |
| 5962R0622501HXA                         | SMRT28512T/HR                       | 0          | DC/DC CONVERTER, TRIPLE CHANNEL, +5 V AND +/-12 V, HYBRID       | Crane           | 50821     |
| 5962-0622501HXC                         | SMRT28512T/HO                       | 0          | DC/DC CONVERTER, TRIPLE CHANNEL, +5 V AND +/-12 V, HYBRID       | Crane           | 50821     |
| 5962P0622501HXC                         | SMRT28512T/HP                       | 0          | DC/DC CONVERTER, TRIPLE CHANNEL, +5 V AND +/-12 V, HYBRID       | Crane           | 50821     |
| 5962-0622501HXA                         | SMRT28512T/HO                       | 0          | DC/DC CONVERTER, TRIPLE CHANNEL, +5 V AND +/-12 V, HYBRID       | Crane           | 50821     |
| 5962P0622501HXA                         | SMRT28512T/HP                       | 0          | DC/DC CONVERTER, TRIPLE CHANNEL, +5 V AND +/-12 V, HYBRID       | Crane           | 50821     |
| 5962F0622501KXA                         | SMRT28512T/KF                       | 0          | DC/DC CONVERTER, TRIPLE CHANNEL, +5 V AND +/-12 V, HYBRID       | Crane           | 50821     |
| 5962R0622501HXC                         | SMRT28512T/HR                       | 0          | DC/DC CONVERTER, TRIPLE CHANNEL, +5 V AND +/-12 V, HYBRID       | Crane           | 50821     |
| 5962P0622601KXC                         | SMRT28515T/KP                       | 0          | DC/DC CONVERTER, TRIPLE CHANNEL, 30 W, +5 V AND +/-15 V OUTPUTS | Crane           | 50821     |
| 5962P0622601HXC                         | SMRT28515T/HP                       | 0          | DC/DC CONVERTER, TRIPLE CHANNEL, 30 W, +5 V AND +/-15 V OUTPUTS | Crane           | 50821     |
| 5962P0622601HXA                         | SMRT28515T/HP                       | 0          | DC/DC CONVERTER, TRIPLE CHANNEL, 30 W, +5 V AND +/-15 V OUTPUTS | Crane           | 50821     |
| 5962-0622601HXC                         | SMRT28515T/HO                       | 0          | DC/DC CONVERTER, TRIPLE CHANNEL, 30 W, +5 V AND +/-15 V OUTPUTS | Crane           | 50821     |
| 5962-0622601HXA                         | SMRT28515T/HO                       | 0          | DC/DC CONVERTER, TRIPLE CHANNEL, 30 W, +5 V AND +/-15 V OUTPUTS | Crane           | 50821     |
| 5962R0622601HXC                         | SMRT28515T/HR                       | 0          | DC/DC CONVERTER, TRIPLE CHANNEL, 30 W, +5 V AND +/-15 V OUTPUTS | Crane           | 50821     |
| 5962F0622601KXA                         | SMRT28515T/KF                       | 0          | DC/DC CONVERTER, TRIPLE CHANNEL, 30 W, +5 V AND +/-15 V OUTPUTS | Crane           | 50821     |
| 5962R0622601HXA                         | SMRT28515T/HR                       | 0          | DC/DC CONVERTER, TRIPLE CHANNEL, 30 W, +5 V AND +/-15 V OUTPUTS | Crane           | 50821     |
| 5962P0622601KXA                         | SMRT28515T/KP                       | 0          | DC/DC CONVERTER, TRIPLE CHANNEL, 30 W, +5 V AND +/-15 V OUTPUTS | Crane           | 50821     |
| 5962R0622601KXA                         | SMRT28515T/KR                       | 0          | DC/DC CONVERTER, TRIPLE CHANNEL, 30 W, +5 V AND +/-15 V OUTPUTS | Crane           | 50821     |
| 5962R0622601KXC                         | SMRT28515T/KR                       | 0          | DC/DC CONVERTER, TRIPLE CHANNEL, 30 W, +5 V AND +/-15 V OUTPUTS | Crane           | 50821     |
| 5962F0622601KXC                         | SMRT28515T/KF                       | 0          | DC/DC CONVERTER, TRIPLE CHANNEL, 30 W, +5 V AND +/-15 V OUTPUTS | Crane           | 50821     |
| 5962-0623101HZC                         | AHP27025SZ/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 25 VOLT, HYBRID                | IR Santa Clara  | 52467     |
| 5962-0623101HZA                         | AHP27025SZ/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 25 VOLT, HYBRID                | IR Santa Clara  | 52467     |
| 5962-0623101HUA                         | AHP27025SW/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 25 VOLT, HYBRID                | IR Santa Clara  | 52467     |
| 5962-0623101HXA                         | AHP27025SX/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 25 VOLT, HYBRID                | IR Santa Clara  | 52467     |
| 5962-0623101HXC                         | AHP27025SX/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 25 VOLT, HYBRID                | IR Santa Clara  | 52467     |
| 5962-0623101HYA                         | AHP27025SY/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 25 VOLT, HYBRID                | IR Santa Clara  | 52467     |
| 5962-0623101HYC                         | AHP27025SY/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 25 VOLT, HYBRID                | IR Santa Clara  | 52467     |
| 5962-0623101HUC                         | AHP27025SW/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 25 VOLT, HYBRID                | IR Santa Clara  | 52467     |
| 5962-0624101KXC                         | LS2812S                             | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 12 VOLT, HYBRID                | IR Santa Clara  | 52467     |
| 5962-0624101KXA                         | LS2812S                             | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 12 VOLT, HYBRID                | IR Santa Clara  | 52467     |
| 5962-0624201KXA                         | LS2815S                             | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 15 VOLT, HYBRID                | IR Santa Clara  | 52467     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                             | Approved Source | CAGE Code |
| 5962-0624201KXC                         | LS2815S                             | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 15 VOLT, HYBRID     | IR Santa Clara  | 52467     |
| 5962-0625102KXC                         | PWM5032-001-1S                      | 1A         | HYBRID, PWM CONTROLLER, HIGH SPEED                   | Aeroflex        | 88379     |
| 5962-0625102KXA                         | PWM5032-001-2S                      | 1A         | HYBRID, PWM CONTROLLER, HIGH SPEED                   | Aeroflex        | 88379     |
| 5962-0625102KYC                         | PWM5034-001-1S                      | 1A         | HYBRID, PWM CONTROLLER, HIGH SPEED                   | Aeroflex        | 88379     |
| 5962-0625201HXA                         | MSK1692H                            | 1C         | HYBRID, ANALOG SWITCH, QUAD CHANNEL                  | MSK             | 51651     |
| 5962-0625201HXC                         | MSK1692H                            | 1C         | HYBRID, ANALOG SWITCH, QUAD CHANNEL                  | MSK             | 51651     |
| 5962-0625301HXC                         | MSK1691H                            | 1          | HYBRID, VOLTAGE COMPARATOR, DUAL CHANNEL             | MSK             | 51651     |
| 5962-0625301HXA                         | MSK1691H                            | 1          | HYBRID, VOLTAGE COMPARATOR, DUAL CHANNEL             | MSK             | 51651     |
| 5962-0625701HXC                         | MN6500SMXC                          | 1          | HYBRID, A/D CONVERTER, 16-BIT                        | Spectrum (Worc  | 50507     |
| 5962-0625701HXA                         | MN6500SMXA                          | 1          | HYBRID, A/D CONVERTER, 16-BIT                        | Spectrum (Worc  | 50507     |
| 5962-0625901HXC                         | MN5130MXC                           | 1          | A/D CONVERTER, 8-BIT, 0 TO -10 V INPUT RANGE, HYBRID | Spectrum (Worc  | 50507     |
| 5962-0625901HXA                         | MN5130MXA                           | 1          | A/D CONVERTER, 8-BIT, 0 TO -10 V INPUT RANGE, HYBRID | Spectrum (Worc  | 50507     |
| 5962-0625902HXA                         | MN5131MXA                           | 1          | A/D CONVERTER, 8-BIT, +/-5 V INPUT RANGE, HYBRID     | Spectrum (Worc  | 50507     |
| 5962-0625902HXC                         | MN5131MXC                           | 1          | A/D CONVERTER, 8-BIT, +/-5 V INPUT RANGE, HYBRID     | Spectrum (Worc  | 50507     |
| 5962-0625903HXC                         | MN5132MXC                           | 1          | A/D CONVERTER, 8-BIT, +/-10 V INPUT RANGE, HYBRID    | Spectrum (Worc  | 50507     |
| 5962-0625903HXA                         | MN5132MXA                           | 1          | A/D CONVERTER, 8-BIT, +/-10 V INPUT RANGE, HYBRID    | Spectrum (Worc  | 50507     |
| 5962-0625904HXA                         | MN5133MXA                           | 1          | A/D CONVERTER, 8-BIT, 0 TO +10 V INPUT RANGE, HYBRID | Spectrum (Worc  | 50507     |
| 5962-0625904HXC                         | MN5133MXC                           | 1          | A/D CONVERTER, 8-BIT, 0 TO +10 V INPUT RANGE, HYBRID | Spectrum (Worc  | 50507     |
| 07004-01HXC                             | DVME28/H                            | 1          | FILTER, EMI, 28 V, 15 A, HYBRID                      | VPT             | 0ZBZ6     |
| 07004-01KXC                             | DVME28/K                            | 1          | FILTER, EMI, 28 V, 15 A, HYBRID                      | VPT             | 0ZBZ6     |
| 5962F0720201KXA                         | SMRT2812D/KF                        | 0          | HYBRID, DC/DC CONVERTER, 35 W, +/-12 V OUTPUT        | Crane           | 50821     |
| 5962R0720201KXC                         | SMRT2812D/KR                        | 0          | HYBRID, DC/DC CONVERTER, 35 W, +/-12 V OUTPUT        | Crane           | 50821     |
| 5962R0720201KXA                         | SMRT2812D/KR                        | 0          | HYBRID, DC/DC CONVERTER, 35 W, +/-12 V OUTPUT        | Crane           | 50821     |
| 5962P0720201KXC                         | SMRT2812D/KP                        | 0          | HYBRID, DC/DC CONVERTER, 35 W, +/-12 V OUTPUT        | Crane           | 50821     |
| 5962-0720201HXA                         | SMRT2812D/HO                        | 0          | HYBRID, DC/DC CONVERTER, 35 W, +/-12 V OUTPUT        | Crane           | 50821     |
| 5962F0720201KXC                         | SMRT2812D/KF                        | 0          | HYBRID, DC/DC CONVERTER, 35 W, +/-12 V OUTPUT        | Crane           | 50821     |
| 5962R0720201HXA                         | SMRT2812D/HR                        | 0          | HYBRID, DC/DC CONVERTER, 35 W, +/-12 V OUTPUT        | Crane           | 50821     |
| 5962P0720201HXC                         | SMRT2812D/HP                        | 0          | HYBRID, DC/DC CONVERTER, 35 W, +/-12 V OUTPUT        | Crane           | 50821     |
| 5962P0720201HXA                         | SMRT2812D/HP                        | 0          | HYBRID, DC/DC CONVERTER, 35 W, +/-12 V OUTPUT        | Crane           | 50821     |
| 5962-0720201HXC                         | SMRT2812D/HO                        | 0          | HYBRID, DC/DC CONVERTER, 35 W, +/-12 V OUTPUT        | Crane           | 50821     |
| 5962R0720201HXC                         | SMRT2812D/HR                        | 0          | HYBRID, DC/DC CONVERTER, 35 W, +/-12 V OUTPUT        | Crane           | 50821     |
| 5962P0720201KXA                         | SMRT2812D/KP                        | 0          | HYBRID, DC/DC CONVERTER, 35 W, +/-12 V OUTPUT        | Crane           | 50821     |
| 5962-0724301HXC                         | DVFL283R3S/H                        | 1          | DC/DC CONVERTER, 60 W, +3.3 V OUTPUTS, HYBRID        | VPT             | 0ZBZ6     |
| 5962-0724301KXC                         | DVFL283R3S/K                        | 1          | DC/DC CONVERTER, 60 W, +3.3 V OUTPUTS, HYBRID        | VPT             | 0ZBZ6     |
| 5962-0724302HXC                         | DVFL2805S/H                         | 1          | DC/DC CONVERTER, 100 W, +5 V OUTPUTS, HYBRID         | VPT             | 0ZBZ6     |
| 5962-0724302KXC                         | DVFL2805S/K                         | 1          | DC/DC CONVERTER, 100 W, +5 V OUTPUTS, HYBRID         | VPT             | 0ZBZ6     |
| 5962-0724303HXC                         | DVFL2812S/H                         | 1          | DC/DC CONVERTER, 110 W, +12 V OUTPUTS, HYBRID        | VPT             | 0ZBZ6     |
| 5962-0724303KXC                         | DVFL2812S/K                         | 1          | DC/DC CONVERTER, 110 W, +12 V OUTPUTS, HYBRID        | VPT             | 0ZBZ6     |
| 5962-0724304KXC                         | DVFL2815S/K                         | 1          | DC/DC CONVERTER, 120 W, +15 V OUTPUTS, HYBRID        | VPT             | 0ZBZ6     |
| 5962-0724304HXC                         | DVFL2815S/H                         | 1          | DC/DC CONVERTER, 120 W, +15 V OUTPUTS, HYBRID        | VPT             | 0ZBZ6     |
| 5962-0724305HXC                         | DVFL2807S/H                         | 1          | DC/DC CONVERTER, 120 W, +7 V OUTPUTS, HYBRID         | VPT             | 0ZBZ6     |
| 5962-0724305KXC                         | DVFL2807S/K                         | 1          | DC/DC CONVERTER, 120 W, +7 V OUTPUTS, HYBRID         | VPT             | 0ZBZ6     |
| 5962-0724401KXC                         | DVFL2805D/K                         | 1          | DC/DC CONVERTER, 100 W, +/-5 V OUTPUTS, HYBRID       | VPT             | 0ZBZ6     |
| 5962-0724401HXC                         | DVFL2805D/H                         | 1          | DC/DC CONVERTER, 100 W, +/-5 V OUTPUTS, HYBRID       | VPT             | 0ZBZ6     |
| 5962-0724402KXC                         | DVFL2812D/K                         | 1          | DC/DC CONVERTER, 110 W, +/-12 V OUTPUTS, HYBRID      | VPT             | 0ZBZ6     |
| 5962-0724402HXC                         | DVFL2812D/H                         | 1          | DC/DC CONVERTER, 110 W, +/-12 V OUTPUTS, HYBRID      | VPT             | 0ZBZ6     |
| 5962-0724403HXC                         | DVFL2815D/H                         | 1          | DC/DC CONVERTER, 120 W, +/-15 V OUTPUTS, HYBRID      | VPT             | 0ZBZ6     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                         | Approved Source | CAGE Code |
| 5962-0724403KXC                         | DVFL2815D/K                         | 1          | DC/DC CONVERTER, 120 W, +/-15 V OUTPUTS, HYBRID  | VPT             | 0ZBZ6     |
| 5962-0820501KYC                         | DVGF+283R312TF/K                    | 1          | DC/DC CONVERTER, TRIPLE CHANNEL                  | VPT             | 0ZBZ6     |
| 5962-0820501HXC                         | DVGF+283R312T/H                     | 1          | DC/DC CONVERTER, TRIPLE CHANNEL                  | VPT             | 0ZBZ6     |
| 5962-0820501HXA                         | DVGF+283R312T/H-E                   | 1          | DC/DC CONVERTER, TRIPLE CHANNEL                  | VPT             | 0ZBZ6     |
| 5962-0820501KXC                         | DVGF+283R312T/K                     | 1          | DC/DC CONVERTER, TRIPLE CHANNEL                  | VPT             | 0ZBZ6     |
| 5962-0820501KXA                         | DVGF+283R312T/K-E                   | 1          | DC/DC CONVERTER, TRIPLE CHANNEL                  | VPT             | 0ZBZ6     |
| 5962-0820501HYA                         | DVGF+283R312TF/H-E                  | 1          | DC/DC CONVERTER, TRIPLE CHANNEL                  | VPT             | 0ZBZ6     |
| 5962-0820501KYA                         | DVGF+283R312TF/K-E                  | 1          | DC/DC CONVERTER, TRIPLE CHANNEL                  | VPT             | 0ZBZ6     |
| 5962-0820501HYC                         | DVGF+283R312TF/H                    | 1          | DC/DC CONVERTER, TRIPLE CHANNEL                  | VPT             | 0ZBZ6     |
| 5962-0820502HXC                         | DVGF+283R315T/H                     | 1          | DC/DC CONVERTER, TRIPLE CHANNEL                  | VPT             | 0ZBZ6     |
| 5962-0820502HXA                         | DVGF+283R315T/H-E                   | 1          | DC/DC CONVERTER, TRIPLE CHANNEL                  | VPT             | 0ZBZ6     |
| 5962-0820502KXA                         | DVGF+283R315T/K-E                   | 1          | DC/DC CONVERTER, TRIPLE CHANNEL                  | VPT             | 0ZBZ6     |
| 5962-0820502HYC                         | DVGF+283R315TF/H                    | 1          | DC/DC CONVERTER, TRIPLE CHANNEL                  | VPT             | 0ZBZ6     |
| 5962-0820502HYA                         | DVGF+283R315TF/H-E                  | 1          | DC/DC CONVERTER, TRIPLE CHANNEL                  | VPT             | 0ZBZ6     |
| 5962-0820502KYC                         | DVGF+283R315TF/K                    | 1          | DC/DC CONVERTER, TRIPLE CHANNEL                  | VPT             | 0ZBZ6     |
| 5962-0820502KYA                         | DVGF+283R315TF/K-E                  | 1          | DC/DC CONVERTER, TRIPLE CHANNEL                  | VPT             | 0ZBZ6     |
| 5962-0820502KXC                         | DVGF+283R315T/K                     | 1          | DC/DC CONVERTER, TRIPLE CHANNEL                  | VPT             | 0ZBZ6     |
| 5962-0820601KYA                         | DVHF+28512TF/K-E                    | 1          | DC/DC CONVERTER, TRIPLE CHANNEL                  | VPT             | 0ZBZ6     |
| 5962-0820601HYC                         | DVHF+28512TF/H                      | 1          | DC/DC CONVERTER, TRIPLE CHANNEL                  | VPT             | 0ZBZ6     |
| 5962-0820601KXA                         | DVHF+28512T/K-E                     | 1          | DC/DC CONVERTER, TRIPLE CHANNEL                  | VPT             | 0ZBZ6     |
| 5962-0820601KYC                         | DVHF+28512TF/K                      | 1          | DC/DC CONVERTER, TRIPLE CHANNEL                  | VPT             | 0ZBZ6     |
| 5962-0820601HXA                         | DVHF+28512T/H-E                     | 1          | DC/DC CONVERTER, TRIPLE CHANNEL                  | VPT             | 0ZBZ6     |
| 5962-0820601HXC                         | DVHF+28512T/H                       | 1          | DC/DC CONVERTER, TRIPLE CHANNEL                  | VPT             | 0ZBZ6     |
| 5962-0820601HYA                         | DVHF+28512TF/H-E                    | 1          | DC/DC CONVERTER, TRIPLE CHANNEL                  | VPT             | 0ZBZ6     |
| 5962-0820601KXA                         | DVHF+28512T/K                       | 1          | DC/DC CONVERTER, TRIPLE CHANNEL                  | VPT             | 0ZBZ6     |
| 5962-0820602KYC                         | DVHF+28515TF/K                      | 1          | DC/DC CONVERTER, TRIPLE CHANNEL                  | VPT             | 0ZBZ6     |
| 5962-0820602HYC                         | DVHF+28515TF/H                      | 1          | DC/DC CONVERTER, TRIPLE CHANNEL                  | VPT             | 0ZBZ6     |
| 5962-0820602HYA                         | DVHF+28515TF/H-E                    | 1          | DC/DC CONVERTER, TRIPLE CHANNEL                  | VPT             | 0ZBZ6     |
| 5962-0820602KXA                         | DVHF+28515T/K-E                     | 1          | DC/DC CONVERTER, TRIPLE CHANNEL                  | VPT             | 0ZBZ6     |
| 5962-0820602KXC                         | DVHF+28515T/K                       | 1          | DC/DC CONVERTER, TRIPLE CHANNEL                  | VPT             | 0ZBZ6     |
| 5962-0820602HXC                         | DVHF+28515T/H                       | 1          | DC/DC CONVERTER, TRIPLE CHANNEL                  | VPT             | 0ZBZ6     |
| 5962-0820602KYA                         | DVHF+28515TF/K-E                    | 1          | DC/DC CONVERTER, TRIPLE CHANNEL                  | VPT             | 0ZBZ6     |
| 5962-0820602HXA                         | DVHF+28515T/H-E                     | 1          | DC/DC CONVERTER, TRIPLE CHANNEL                  | VPT             | 0ZBZ6     |
| 5962-0820701HXC                         | DVSB2853R3D/H                       | 1          | DC/DC CONVERTER, DUAL CHANNEL                    | VPT             | 0ZBZ6     |
| 5962-0820701HXA                         | DVSB2853R3D/H-E                     | 1          | DC/DC CONVERTER, DUAL CHANNEL                    | VPT             | 0ZBZ6     |
| 5962-0820701HYC                         | DVSB2853R3DF/H                      | 1          | DC/DC CONVERTER, DUAL CHANNEL                    | VPT             | 0ZBZ6     |
| 5962-0820701KXC                         | DVSB2853R3D/K                       | 1          | DC/DC CONVERTER, DUAL CHANNEL                    | VPT             | 0ZBZ6     |
| 5962-0820701KYA                         | DVSB2853R3DF/K-E                    | 1          | DC/DC CONVERTER, DUAL CHANNEL                    | VPT             | 0ZBZ6     |
| 5962-0820701HYA                         | DVSB2853R3DF/H-E                    | 1          | DC/DC CONVERTER, DUAL CHANNEL                    | VPT             | 0ZBZ6     |
| 5962-0820701KXA                         | DVSB2853R3D/K-E                     | 1          | DC/DC CONVERTER, DUAL CHANNEL                    | VPT             | 0ZBZ6     |
| 5962-0820701KYC                         | DVSB2853R3DF/K                      | 1          | DC/DC CONVERTER, DUAL CHANNEL                    | VPT             | 0ZBZ6     |
| 5962P0821001HXA                         | SMRT2812S/HP                        | 0          | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 12 VOLT | Crane           | 50821     |
| 5962R0821001KXC                         | SMRT2812S/KR                        | 0          | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 12 VOLT | Crane           | 50821     |
| 5962R0821001KXA                         | SMRT2812S/KR                        | 0          | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 12 VOLT | Crane           | 50821     |
| 5962P0821001KXC                         | SMRT2812S/KP                        | 0          | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 12 VOLT | Crane           | 50821     |
| 5962P0821001KXA                         | SMRT2812S/KP                        | 0          | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 12 VOLT | Crane           | 50821     |
| 5962F0821001KXC                         | SMRT2812S/KF                        | 0          | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 12 VOLT | Crane           | 50821     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |   |                 |           |
|---|-------------------------------------|------------|---|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                                    | Approved Source | CAGE Code |
| 5962F0821001KXA                         | SMRT2812S/KF                        | 0          | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 12 VOLT            | Crane           | 50821     |
| 5962R0821001HXC                         | SMRT2812S/HR                        | 0          | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 12 VOLT            | Crane           | 50821     |
| 5962P0821001HXC                         | SMRT2812S/HP                        | 0          | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 12 VOLT            | Crane           | 50821     |
| 5962-0821001HXC                         | SMRT2812S/HO                        | 0          | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 12 VOLT            | Crane           | 50821     |
| 5962-0821001HXA                         | SMRT2812S/HO                        | 0          | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 12 VOLT            | Crane           | 50821     |
| 5962R0821001HXA                         | SMRT2812S/HR                        | 0          | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 12 VOLT            | Crane           | 50821     |
| 5962-0821101HXC                         | SMRT283R312T/HO                     | 0          | HYBRID, DC/DC CONVERTER, TRIPLE CHANNEL, +3.3 V AND +/-12 V | Crane           | 50821     |
| 5962R0821101KXC                         | SMRT283R312T/KR                     | 0          | HYBRID, DC/DC CONVERTER, TRIPLE CHANNEL, +3.3 V AND +/-12 V | Crane           | 50821     |
| 5962-0821101HXA                         | SMRT283R312T/HO                     | 0          | HYBRID, DC/DC CONVERTER, TRIPLE CHANNEL, +3.3 V AND +/-12 V | Crane           | 50821     |
| 5962P0821101HXA                         | SMRT283R312T/HP                     | 0          | HYBRID, DC/DC CONVERTER, TRIPLE CHANNEL, +3.3 V AND +/-12 V | Crane           | 50821     |
| 5962R0821101HXA                         | SMRT283R312T/HR                     | 0          | HYBRID, DC/DC CONVERTER, TRIPLE CHANNEL, +3.3 V AND +/-12 V | Crane           | 50821     |
| 5962R0821101HXC                         | SMRT283R312T/HR                     | 0          | HYBRID, DC/DC CONVERTER, TRIPLE CHANNEL, +3.3 V AND +/-12 V | Crane           | 50821     |
| 5962F0821101KXA                         | SMRT283R312T/KF                     | 0          | HYBRID, DC/DC CONVERTER, TRIPLE CHANNEL, +3.3 V AND +/-12 V | Crane           | 50821     |
| 5962F0821101KXC                         | SMRT283R312T/KF                     | 0          | HYBRID, DC/DC CONVERTER, TRIPLE CHANNEL, +3.3 V AND +/-12 V | Crane           | 50821     |
| 5962P0821101KXA                         | SMRT283R312T/KP                     | 0          | HYBRID, DC/DC CONVERTER, TRIPLE CHANNEL, +3.3 V AND +/-12 V | Crane           | 50821     |
| 5962P0821101HXC                         | SMRT283R312T/HP                     | 0          | HYBRID, DC/DC CONVERTER, TRIPLE CHANNEL, +3.3 V AND +/-12 V | Crane           | 50821     |
| 5962R0821101KXA                         | SMRT283R312T/KR                     | 0          | HYBRID, DC/DC CONVERTER, TRIPLE CHANNEL, +3.3 V AND +/-12 V | Crane           | 50821     |
| 5962P0821101KXC                         | SMRT283R312T/KP                     | 0          | HYBRID, DC/DC CONVERTER, TRIPLE CHANNEL, +3.3 V AND +/-12 V | Crane           | 50821     |
| 5962R0821201KXC                         | SMRT283R315T/KR                     | 0          | HYBRID, DC/DC CONVERTER, TRIPLE CHANNEL, +3.3 V AND +/-15 V | Crane           | 50821     |
| 5962-0821201HXA                         | SMRT283R315T/HO                     | 0          | HYBRID, DC/DC CONVERTER, TRIPLE CHANNEL, +3.3 V AND +/-15 V | Crane           | 50821     |
| 5962-0821201HXC                         | SMRT283R315T/HO                     | 0          | HYBRID, DC/DC CONVERTER, TRIPLE CHANNEL, +3.3 V AND +/-15 V | Crane           | 50821     |
| 5962P0821201HXA                         | SMRT283R315T/HP                     | 0          | HYBRID, DC/DC CONVERTER, TRIPLE CHANNEL, +3.3 V AND +/-15 V | Crane           | 50821     |
| 5962P0821201HXC                         | SMRT283R315T/HP                     | 0          | HYBRID, DC/DC CONVERTER, TRIPLE CHANNEL, +3.3 V AND +/-15 V | Crane           | 50821     |
| 5962R0821201HXC                         | SMRT283R315T/HR                     | 0          | HYBRID, DC/DC CONVERTER, TRIPLE CHANNEL, +3.3 V AND +/-15 V | Crane           | 50821     |
| 5962F0821201KXC                         | SMRT283R315T/KF                     | 0          | HYBRID, DC/DC CONVERTER, TRIPLE CHANNEL, +3.3 V AND +/-15 V | Crane           | 50821     |
| 5962P0821201KXA                         | SMRT283R315T/KP                     | 0          | HYBRID, DC/DC CONVERTER, TRIPLE CHANNEL, +3.3 V AND +/-15 V | Crane           | 50821     |
| 5962P0821201KXC                         | SMRT283R315T/KP                     | 0          | HYBRID, DC/DC CONVERTER, TRIPLE CHANNEL, +3.3 V AND +/-15 V | Crane           | 50821     |
| 5962R0821201KXA                         | SMRT283R315T/KR                     | 0          | HYBRID, DC/DC CONVERTER, TRIPLE CHANNEL, +3.3 V AND +/-15 V | Crane           | 50821     |
| 5962F0821201KXA                         | SMRT283R315T/KF                     | 0          | HYBRID, DC/DC CONVERTER, TRIPLE CHANNEL, +3.3 V AND +/-15 V | Crane           | 50821     |
| 5962R0821201HXA                         | SMRT283R315T/HR                     | 0          | HYBRID, DC/DC CONVERTER, TRIPLE CHANNEL, +3.3 V AND +/-15 V | Crane           | 50821     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |   |                 |           |
|---|-------------------------------------|------------|---|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                              | Approved Source | CAGE Code |
| 5962R0822301KYA                         | SMFLHP2815DY/KR                     | 1          | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, +/-15 V, 100 W | Crane           | 50821     |
| 5962R0822301KZC                         | SMFLHP2815DZ/KR                     | 1          | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, +/-15 V, 100 W | Crane           | 50821     |
| 5962P0822301KTA                         | SMFLHP2815DW/KP                     | 1          | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, +/-15 V, 100 W | Crane           | 50821     |
| 5962P0822301KTC                         | SMFLHP2815DW/KP                     | 1          | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, +/-15 V, 100 W | Crane           | 50821     |
| 5962R0822301KTC                         | SMFLHP2815DW/KR                     | 1          | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, +/-15 V, 100 W | Crane           | 50821     |
| 5962-0822301HYC                         | SMFLHP2815DY/HO                     | 1          | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, +/-15 V, 100 W | Crane           | 50821     |
| 5962P0822301HYA                         | SMFLHP2815DY/HP                     | 1          | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, +/-15 V, 100 W | Crane           | 50821     |
| 5962P0822301HYC                         | SMFLHP2815DY/HP                     | 1          | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, +/-15 V, 100 W | Crane           | 50821     |
| 5962R0822301HYA                         | SMFLHP2815DY/HR                     | 1          | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, +/-15 V, 100 W | Crane           | 50821     |
| 5962R0822301HYC                         | SMFLHP2815DY/HR                     | 1          | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, +/-15 V, 100 W | Crane           | 50821     |
| 5962R0822301HTA                         | SMFLHP2815DW/HR                     | 1          | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, +/-15 V, 100 W | Crane           | 50821     |
| 5962P0822301KYC                         | SMFLHP2815DY/KP                     | 1          | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, +/-15 V, 100 W | Crane           | 50821     |
| 5962P0822301HTC                         | SMFLHP2815DW/HP                     | 1          | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, +/-15 V, 100 W | Crane           | 50821     |
| 5962R0822301KYC                         | SMFLHP2815DY/KR                     | 1          | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, +/-15 V, 100 W | Crane           | 50821     |
| 5962-0822301HZA                         | SMFLHP2815DZ/HO                     | 1          | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, +/-15 V, 100 W | Crane           | 50821     |
| 5962-0822301HZC                         | SMFLHP2815DZ/HO                     | 1          | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, +/-15 V, 100 W | Crane           | 50821     |
| 5962P0822301HZA                         | SMFLHP2815DZ/HP                     | 1          | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, +/-15 V, 100 W | Crane           | 50821     |
| 5962P0822301HZC                         | SMFLHP2815DZ/HP                     | 1          | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, +/-15 V, 100 W | Crane           | 50821     |
| 5962R0822301HZA                         | SMFLHP2815DZ/HR                     | 1          | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, +/-15 V, 100 W | Crane           | 50821     |
| 5962R0822301HZC                         | SMFLHP2815DZ/HR                     | 1          | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, +/-15 V, 100 W | Crane           | 50821     |
| 5962P0822301KZA                         | SMFLHP2815DZ/KP                     | 1          | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, +/-15 V, 100 W | Crane           | 50821     |
| 5962P0822301KZC                         | SMFLHP2815DZ/KP                     | 1          | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, +/-15 V, 100 W | Crane           | 50821     |
| 5962R0822301KZA                         | SMFLHP2815DZ/KR                     | 1          | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, +/-15 V, 100 W | Crane           | 50821     |
| 5962P0822301KYA                         | SMFLHP2815DY/KP                     | 1          | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, +/-15 V, 100 W | Crane           | 50821     |
| 5962P0822301HUA                         | SMFLHP2815DV/HP                     | 1          | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, +/-15 V, 100 W | Crane           | 50821     |
| 5962-0822301HXA                         | SMFLHP2815D/HO                      | 1          | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, +/-15 V, 100 W | Crane           | 50821     |
| 5962-0822301HXC                         | SMFLHP2815D/HO                      | 1          | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, +/-15 V, 100 W | Crane           | 50821     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |   |                 |           |
|---|-------------------------------------|------------|---|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description  | Approved Source | CAGE Code |
| 5962P0822301HXA                         | SMFLHP2815D/HP                      | 1          | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, +/-15 V, 100 W             | Crane           | 50821     |
| 5962P0822301HXC                         | SMFLHP2815D/HP                      | 1          | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, +/-15 V, 100 W             | Crane           | 50821     |
| 5962R0822301HXA                         | SMFLHP2815D/HR                      | 1          | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, +/-15 V, 100 W             | Crane           | 50821     |
| 5962R0822301HXC                         | SMFLHP2815D/HR                      | 1          | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, +/-15 V, 100 W             | Crane           | 50821     |
| 5962P0822301KXA                         | SMFLHP2815D/KP                      | 1          | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, +/-15 V, 100 W             | Crane           | 50821     |
| 5962P0822301KXC                         | SMFLHP2815D/KP                      | 1          | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, +/-15 V, 100 W             | Crane           | 50821     |
| 5962R0822301KXA                         | SMFLHP2815D/KR                      | 1          | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, +/-15 V, 100 W             | Crane           | 50821     |
| 5962R0822301KXC                         | SMFLHP2815D/KR                      | 1          | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, +/-15 V, 100 W             | Crane           | 50821     |
| 5962R0822301HTC                         | SMFLHP2815DW/HR                     | 1          | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, +/-15 V, 100 W             | Crane           | 50821     |
| 5962-0822301HUC                         | SMFLHP2815DV/HO                     | 1          | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, +/-15 V, 100 W             | Crane           | 50821     |
| 5962-0822301HYA                         | SMFLHP2815DY/HO                     | 1          | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, +/-15 V, 100 W             | Crane           | 50821     |
| 5962P0822301HUC                         | SMFLHP2815DV/HP                     | 1          | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, +/-15 V, 100 W             | Crane           | 50821     |
| 5962R0822301HUA                         | SMFLHP2815DV/HR                     | 1          | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, +/-15 V, 100 W             | Crane           | 50821     |
| 5962R0822301HUC                         | SMFLHP2815DV/HR                     | 1          | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, +/-15 V, 100 W             | Crane           | 50821     |
| 5962P0822301KUA                         | SMFLHP2815DV/KP                     | 1          | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, +/-15 V, 100 W             | Crane           | 50821     |
| 5962P0822301KUC                         | SMFLHP2815DV/KP                     | 1          | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, +/-15 V, 100 W             | Crane           | 50821     |
| 5962R0822301KUA                         | SMFLHP2815DV/KR                     | 1          | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, +/-15 V, 100 W             | Crane           | 50821     |
| 5962R0822301KUC                         | SMFLHP2815DV/KR                     | 1          | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, +/-15 V, 100 W             | Crane           | 50821     |
| 5962-0822301HTA                         | SMFLHP2815DW/HO                     | 1          | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, +/-15 V, 100 W             | Crane           | 50821     |
| 5962-0822301HTC                         | SMFLHP2815DW/HO                     | 1          | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, +/-15 V, 100 W             | Crane           | 50821     |
| 5962P0822301HTA                         | SMFLHP2815DW/HP                     | 1          | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, +/-15 V, 100 W             | Crane           | 50821     |
| 5962-0822301HUA                         | SMFLHP2815DV/HO                     | 1          | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, +/-15 V, 100 W             | Crane           | 50821     |
| 5962R0822301KTA                         | SMFLHP2815DW/KR                     | 1          | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, +/-15 V, 100 W             | Crane           | 50821     |
| 5962-0822601KXC                         | ACT8508-S                           | 1          | HYBRID, ANALOG MULTIPLEXER, 32-CHANNEL                            | Aeroflex        | 88379     |
| 5962-0822701KYC                         | ACPL-570KL-100                      | 2          | OPTOCOUPLER, SINGLE CHANNEL, HIGH GAIN, LOW INPUT CURRENT, HYBRID | Avago           | 50434     |
| 5962-0822701HPC                         | ACPL-5701L                          | 2          | OPTOCOUPLER, SINGLE CHANNEL, HIGH GAIN, LOW INPUT CURRENT, HYBRID | Avago           | 50434     |
| 5962-0822701HYA                         | ACPL-5701L-100                      | 2          | OPTOCOUPLER, SINGLE CHANNEL, HIGH GAIN, LOW INPUT CURRENT, HYBRID | Avago           | 50434     |
| 5962-0822701KXA                         | ACPL-570KL-300                      | 2          | OPTOCOUPLER, SINGLE CHANNEL, HIGH GAIN, LOW INPUT CURRENT, HYBRID | Avago           | 50434     |

**Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing**

**PRODUCT ELIGIBILITY:** The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

**DLA Land and Maritime - VQ**

**Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH**

**Approved Source Master Product Listing**

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description   | Approved Source | CAGE Code |
| 5962-0822701HYC                         | ACPL-5701L-100                      | 2          | OPTOCOUPLER, SINGLE CHANNEL, HIGH GAIN, LOW INPUT CURRENT, HYBRID  | Avago           | 50434     |
| 5962-0822701HPA                         | ACPL-5701L-200                      | 2          | OPTOCOUPLER, SINGLE CHANNEL, HIGH GAIN, LOW INPUT CURRENT, HYBRID  | Avago           | 50434     |
| 5962-0822701HXA                         | ACPL-5701L-300                      | 2          | OPTOCOUPLER, SINGLE CHANNEL, HIGH GAIN, LOW INPUT CURRENT, HYBRID  | Avago           | 50434     |
| 5962-0822701KPC                         | ACPL-570KL                          | 2          | OPTOCOUPLER, SINGLE CHANNEL, HIGH GAIN, LOW INPUT CURRENT, HYBRID  | Avago           | 50434     |
| 5962-0822701KYA                         | ACPL-570KL-100                      | 2          | OPTOCOUPLER, SINGLE CHANNEL, HIGH GAIN, LOW INPUT CURRENT, HYBRID  | Avago           | 50434     |
| 5962-0822701KPA                         | ACPL-570KL-200                      | 2          | OPTOCOUPLER, SINGLE CHANNEL, HIGH GAIN, LOW INPUT CURRENT, HYBRID  | Avago           | 50434     |
| 5962-0822702HXA                         | ACPL-5731L-300                      | 3A         | OPTOCOUPLER, DUAL CHANNEL, HIGH GAIN, LOW INPUT CURRENT, HYBRID    | Avago           | 50434     |
| 5962-0822702KYC                         | ACPL-573KL-100                      | 3A         | OPTOCOUPLER, DUAL CHANNEL, HIGH GAIN, LOW INPUT CURRENT, HYBRID    | Avago           | 50434     |
| 5962-0822702KPC                         | ACPL-573KL                          | 3A         | OPTOCOUPLER, DUAL CHANNEL, HIGH GAIN, LOW INPUT CURRENT, HYBRID    | Avago           | 50434     |
| 5962-0822702KYA                         | ACPL-573KL-100                      | 3A         | OPTOCOUPLER, DUAL CHANNEL, HIGH GAIN, LOW INPUT CURRENT, HYBRID    | Avago           | 50434     |
| 5962-0822702KPA                         | ACPL-573KL-200                      | 3A         | OPTOCOUPLER, DUAL CHANNEL, HIGH GAIN, LOW INPUT CURRENT, HYBRID    | Avago           | 50434     |
| 5962-0822702KXA                         | ACPL-573KL-300                      | 3A         | OPTOCOUPLER, DUAL CHANNEL, HIGH GAIN, LOW INPUT CURRENT, HYBRID    | Avago           | 50434     |
| 5962-0822702HYC                         | ACPL-5731L-100                      | 3A         | OPTOCOUPLER, DUAL CHANNEL, HIGH GAIN, LOW INPUT CURRENT, HYBRID    | Avago           | 50434     |
| 5962-0822702HYA                         | ACPL-5731L-100                      | 3A         | OPTOCOUPLER, DUAL CHANNEL, HIGH GAIN, LOW INPUT CURRENT, HYBRID    | Avago           | 50434     |
| 5962-0822702HPC                         | ACPL-5731L                          | 3A         | OPTOCOUPLER, DUAL CHANNEL, HIGH GAIN, LOW INPUT CURRENT, HYBRID    | Avago           | 50434     |
| 5962-0822702HPA                         | ACPL-5731L-200                      | 3A         | OPTOCOUPLER, DUAL CHANNEL, HIGH GAIN, LOW INPUT CURRENT, HYBRID    | Avago           | 50434     |
| 5962-0822703HEC                         | ACPL-1772L                          | 3B         | OPTOCOUPLER, FOUR CHANNEL, HIGH GAIN, LOW INPUT CURRENT, HYBRID    | Avago           | 50434     |
| 5962-0822703HUA                         | ACPL-1772L-100                      | 3B         | OPTOCOUPLER, FOUR CHANNEL, HIGH GAIN, LOW INPUT CURRENT, HYBRID    | Avago           | 50434     |
| 5962-0822703HUC                         | ACPL-1772L-100                      | 3B         | OPTOCOUPLER, FOUR CHANNEL, HIGH GAIN, LOW INPUT CURRENT, HYBRID    | Avago           | 50434     |
| 5962-0822703HEA                         | ACPL-1772L-200                      | 3B         | OPTOCOUPLER, FOUR CHANNEL, HIGH GAIN, LOW INPUT CURRENT, HYBRID    | Avago           | 50434     |
| 5962-0822703HTA                         | ACPL-1772L-300                      | 3B         | OPTOCOUPLER, FOUR CHANNEL, HIGH GAIN, LOW INPUT CURRENT, HYBRID    | Avago           | 50434     |
| 5962-0822703KEC                         | ACPL-177KL                          | 3B         | OPTOCOUPLER, FOUR CHANNEL, HIGH GAIN, LOW INPUT CURRENT, HYBRID    | Avago           | 50434     |
| 5962-0822703KUA                         | ACPL-177KL-100                      | 3B         | OPTOCOUPLER, FOUR CHANNEL, HIGH GAIN, LOW INPUT CURRENT, HYBRID    | Avago           | 50434     |
| 5962-0822703KEA                         | ACPL-177KL-200                      | 3B         | OPTOCOUPLER, FOUR CHANNEL, HIGH GAIN, LOW INPUT CURRENT, HYBRID    | Avago           | 50434     |
| 5962-0822703KTA                         | ACPL-177KL-300                      | 3B         | OPTOCOUPLER, FOUR CHANNEL, HIGH GAIN, LOW INPUT CURRENT, HYBRID    | Avago           | 50434     |
| 5962-0822703HUC                         | ACPL-177KL-100                      | 3B         | OPTOCOUPLER, FOUR CHANNEL, HIGH GAIN, LOW INPUT CURRENT, HYBRID    | Avago           | 50434     |
| 5962-0824201KYA                         | ACPL-560KL-100                      | 1B         | HYBRID, OPTOCOUPLER, SINGLE CHANNEL, 3.3 V, LOGIC GATE, HIGH SPEED | Avago           | 50434     |

**Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing**

**PRODUCT ELIGIBILITY:** The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

**DLA Land and Maritime - VQ**

**Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH**

**Approved Source Master Product Listing**

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description   | Approved Source | CAGE Code |
| 5962-0824201HPC                         | ACPL-5601L                          | 1B         | HYBRID, OPTOCOUPLER, SINGLE CHANNEL, 3.3 V, LOGIC GATE, HIGH SPEED | Avago           | 50434     |
| 5962-0824201HYA                         | ACPL-5601L-100                      | 1B         | HYBRID, OPTOCOUPLER, SINGLE CHANNEL, 3.3 V, LOGIC GATE, HIGH SPEED | Avago           | 50434     |
| 5962-0824201HYC                         | ACPL-5601L-100                      | 1B         | HYBRID, OPTOCOUPLER, SINGLE CHANNEL, 3.3 V, LOGIC GATE, HIGH SPEED | Avago           | 50434     |
| 5962-0824201HPA                         | ACPL-5601L-200                      | 1B         | HYBRID, OPTOCOUPLER, SINGLE CHANNEL, 3.3 V, LOGIC GATE, HIGH SPEED | Avago           | 50434     |
| 5962-0824201HXA                         | ACPL-5601L-300                      | 1B         | HYBRID, OPTOCOUPLER, SINGLE CHANNEL, 3.3 V, LOGIC GATE, HIGH SPEED | Avago           | 50434     |
| 5962-0824201KPC                         | ACPL-560KL                          | 1B         | HYBRID, OPTOCOUPLER, SINGLE CHANNEL, 3.3 V, LOGIC GATE, HIGH SPEED | Avago           | 50434     |
| 5962-0824201KYC                         | ACPL-560KL-100                      | 1B         | HYBRID, OPTOCOUPLER, SINGLE CHANNEL, 3.3 V, LOGIC GATE, HIGH SPEED | Avago           | 50434     |
| 5962-0824201KPA                         | ACPL-560KL-200                      | 1B         | HYBRID, OPTOCOUPLER, SINGLE CHANNEL, 3.3 V, LOGIC GATE, HIGH SPEED | Avago           | 50434     |
| 5962-0824201KXA                         | ACPL-560KL-300                      | 1B         | HYBRID, OPTOCOUPLER, SINGLE CHANNEL, 3.3 V, LOGIC GATE, HIGH SPEED | Avago           | 50434     |
| 5962-0824202KPC                         | ACPL-563KL                          | 3A         | HYBRID, OPTOCOUPLER, DUAL CHANNEL, 3.3 V, LOGIC GATE, HIGH SPEED   | Avago           | 50434     |
| 5962-0824202HYC                         | ACPL-563KL-100                      | 3A         | HYBRID, OPTOCOUPLER, DUAL CHANNEL, 3.3 V, LOGIC GATE, HIGH SPEED   | Avago           | 50434     |
| 5962-0824202KYA                         | ACPL-563KL-100                      | 3A         | HYBRID, OPTOCOUPLER, DUAL CHANNEL, 3.3 V, LOGIC GATE, HIGH SPEED   | Avago           | 50434     |
| 5962-0824202KPA                         | ACPL-563KL-200                      | 3A         | HYBRID, OPTOCOUPLER, DUAL CHANNEL, 3.3 V, LOGIC GATE, HIGH SPEED   | Avago           | 50434     |
| 5962-0824202HXA                         | ACPL-5631L-300                      | 3A         | HYBRID, OPTOCOUPLER, DUAL CHANNEL, 3.3 V, LOGIC GATE, HIGH SPEED   | Avago           | 50434     |
| 5962-0824202KXA                         | ACPL-563KL-300                      | 3A         | HYBRID, OPTOCOUPLER, DUAL CHANNEL, 3.3 V, LOGIC GATE, HIGH SPEED   | Avago           | 50434     |
| 5962-0824202HYA                         | ACPL-5631L-100                      | 3A         | HYBRID, OPTOCOUPLER, DUAL CHANNEL, 3.3 V, LOGIC GATE, HIGH SPEED   | Avago           | 50434     |
| 5962-0824202HPA                         | ACPL-5631L-200                      | 3A         | HYBRID, OPTOCOUPLER, DUAL CHANNEL, 3.3 V, LOGIC GATE, HIGH SPEED   | Avago           | 50434     |
| 5962-0824202HPC                         | ACPL-5631L                          | 3A         | HYBRID, OPTOCOUPLER, DUAL CHANNEL, 3.3 V, LOGIC GATE, HIGH SPEED   | Avago           | 50434     |
| 5962-0824202HYC                         | ACPL-5631L-100                      | 3A         | HYBRID, OPTOCOUPLER, DUAL CHANNEL, 3.3 V, LOGIC GATE, HIGH SPEED   | Avago           | 50434     |
| 5962-0824203KEA                         | ACPL-268KL-200                      | 2          | HYBRID, OPTOCOUPLER, DUAL CHANNEL, 3.3 V, LOGIC GATE, HIGH SPEED   | Avago           | 50434     |
| 5962-0824203HUC                         | ACPL-2672L-100                      | 2          | HYBRID, OPTOCOUPLER, DUAL CHANNEL, 3.3 V, LOGIC GATE, HIGH SPEED   | Avago           | 50434     |
| 5962-0824203HEA                         | ACPL-2672L-200                      | 2          | HYBRID, OPTOCOUPLER, DUAL CHANNEL, 3.3 V, LOGIC GATE, HIGH SPEED   | Avago           | 50434     |
| 5962-0824203HTA                         | ACPL-2672L-300                      | 2          | HYBRID, OPTOCOUPLER, DUAL CHANNEL, 3.3 V, LOGIC GATE, HIGH SPEED   | Avago           | 50434     |
| 5962-0824203KTA                         | ACPL-268KL-300                      | 2          | HYBRID, OPTOCOUPLER, DUAL CHANNEL, 3.3 V, LOGIC GATE, HIGH SPEED   | Avago           | 50434     |
| 5962-0824203HUA                         | ACPL-2672L-100                      | 2          | HYBRID, OPTOCOUPLER, DUAL CHANNEL, 3.3 V, LOGIC GATE, HIGH SPEED   | Avago           | 50434     |
| 5962-0824203KEC                         | ACPL-268KL                          | 2          | HYBRID, OPTOCOUPLER, DUAL CHANNEL, 3.3 V, LOGIC GATE, HIGH SPEED   | Avago           | 50434     |
| 5962-0824203KUA                         | ACPL-268KL-100                      | 2          | HYBRID, OPTOCOUPLER, DUAL CHANNEL, 3.3 V, LOGIC GATE, HIGH SPEED   | Avago           | 50434     |



Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

**PRODUCT ELIGIBILITY:** The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description   | Approved Source | CAGE Code |
| 5962-0824203KUC                         | ACPL-268KL-100                      | 2          | HYBRID, OPTOCOUPLER, DUAL CHANNEL, 3.3 V, LOGIC GATE, HIGH SPEED   | Avago           | 50434     |
| 5962-0824203HEC                         | ACPL-2672L                          | 2          | HYBRID, OPTOCOUPLER, DUAL CHANNEL, 3.3 V, LOGIC GATE, HIGH SPEED   | Avago           | 50434     |
| 5962-0824501HYC                         | AS8FLC2M32BP-120/Q                  | 1C         | FLASH EPROM, 2M X 32-BIT, 120 NS ACCESS TIME, HYBRID               | Micross Comp,   | 0EU86     |
| 5962-0824501HXC                         | AS8FLC2M32BQT-120/Q                 | 1C         | FLASH EPROM, 2M X 32-BIT, 120 NS ACCESS TIME, HYBRID               | Micross Comp,   | 0EU86     |
| 5962-0824501HYA                         | AS8FLC2M32BP-120/Q                  | 1C         | FLASH EPROM, 2M X 32-BIT, 120 NS ACCESS TIME, HYBRID               | Micross Comp,   | 0EU86     |
| 5962-0824501HXA                         | AS8FLC2M32BQT-120/Q                 | 1C         | FLASH EPROM, 2M X 32-BIT, 120 NS ACCESS TIME, HYBRID               | Micross Comp,   | 0EU86     |
| 5962-0824502HXC                         | AS8FLC2M32BQT-100/Q                 | 1C         | FLASH EPROM, 2M X 32-BIT, 100 NS ACCESS TIME, HYBRID               | Micross Comp,   | 0EU86     |
| 5962-0824502HYC                         | AS8FLC2M32BP-100/Q                  | 1C         | FLASH EPROM, 2M X 32-BIT, 100 NS ACCESS TIME, HYBRID               | Micross Comp,   | 0EU86     |
| 5962-0824502HYA                         | AS8FLC2M32BP-100/Q                  | 1C         | FLASH EPROM, 2M X 32-BIT, 100 NS ACCESS TIME, HYBRID               | Micross Comp,   | 0EU86     |
| 5962-0824502HXA                         | AS8FLC2M32BQT-100/Q                 | 1C         | FLASH EPROM, 2M X 32-BIT, 100 NS ACCESS TIME, HYBRID               | Micross Comp,   | 0EU86     |
| 5962-0824503HYC                         | AS8FLC2M32BP-90/Q                   | 1C         | FLASH EPROM, 2M X 32-BIT, 90 NS ACCESS TIME, HYBRID                | Micross Comp,   | 0EU86     |
| 5962-0824503HXC                         | AS8FLC2M32BQT-90/Q                  | 1C         | FLASH EPROM, 2M X 32-BIT, 90 NS ACCESS TIME, HYBRID                | Micross Comp,   | 0EU86     |
| 5962-0824503HYA                         | AS8FLC2M32BP-90/Q                   | 1C         | FLASH EPROM, 2M X 32-BIT, 90 NS ACCESS TIME, HYBRID                | Micross Comp,   | 0EU86     |
| 5962-0824503HXA                         | AS8FLC2M32BQT-90/Q                  | 1C         | FLASH EPROM, 2M X 32-BIT, 90 NS ACCESS TIME, HYBRID                | Micross Comp,   | 0EU86     |
| 5962-0824504HYA                         | AS8FLC2M32BP-70/Q                   | 1C         | FLASH EPROM, 2M X 32-BIT, 70 NS ACCESS TIME, HYBRID                | Micross Comp,   | 0EU86     |
| 5962-0824504HXA                         | AS8FLC2M32BQT-70/Q                  | 1C         | FLASH EPROM, 2M X 32-BIT, 70 NS ACCESS TIME, HYBRID                | Micross Comp,   | 0EU86     |
| 5962-0824504HXC                         | AS8FLC2M32BQT-70/Q                  | 1C         | FLASH EPROM, 2M X 32-BIT, 70 NS ACCESS TIME, HYBRID                | Micross Comp,   | 0EU86     |
| 5962-0824504HYC                         | AS8FLC2M32BP-70/Q                   | 1C         | FLASH EPROM, 2M X 32-BIT, 70 NS ACCESS TIME, HYBRID                | Micross Comp,   | 0EU86     |
| 5962F0824601KXA                         | MSK 5823-1.8KRHG                    | 3B         | HYBRID, VOLTAGE REGULATOR, POSITIVE, FIXED, 1.8 V                  | MSK             | 51651     |
| 5962F0824601HYA                         | MSK 5823-1.8HRH                     | 3B         | HYBRID, VOLTAGE REGULATOR, POSITIVE, FIXED, 1.8 V                  | MSK             | 51651     |
| 5962F0824601KXC                         | MSK 5823-1.8KRHG                    | 3B         | HYBRID, VOLTAGE REGULATOR, POSITIVE, FIXED, 1.8 V                  | MSK             | 51651     |
| 5962F0824601KYC                         | MSK 5823-1.8KRH                     | 3B         | HYBRID, VOLTAGE REGULATOR, POSITIVE, FIXED, 1.8 V                  | MSK             | 51651     |
| 5962F0824601KYA                         | MSK 5823-1.8KRH                     | 3B         | HYBRID, VOLTAGE REGULATOR, POSITIVE, FIXED, 1.8 V                  | MSK             | 51651     |
| 5962F0824601HXC                         | MSK 5823-1.8HRHG                    | 3B         | HYBRID, VOLTAGE REGULATOR, POSITIVE, FIXED, 1.8 V                  | MSK             | 51651     |
| 5962F0824601HXA                         | MSK 5823-1.8HRHG                    | 3B         | HYBRID, VOLTAGE REGULATOR, POSITIVE, FIXED, 1.8 V                  | MSK             | 51651     |
| 5962F0824601HYC                         | MSK 5823-1.8HRH                     | 3B         | HYBRID, VOLTAGE REGULATOR, POSITIVE, FIXED, 1.8 V                  | MSK             | 51651     |
| 5962F0824602KXC                         | MSK 5823-2.5KRHG                    | 3B         | HYBRID, VOLTAGE REGULATOR, POSITIVE, FIXED, 2.5 V                  | MSK             | 51651     |
| 5962F0824602KXA                         | MSK 5823-2.5KRHG                    | 3B         | HYBRID, VOLTAGE REGULATOR, POSITIVE, FIXED, 2.5 V                  | MSK             | 51651     |
| 5962F0824602HYC                         | MSK 5823-2.5HRH                     | 3B         | HYBRID, VOLTAGE REGULATOR, POSITIVE, FIXED, 2.5 V                  | MSK             | 51651     |
| 5962F0824602HXA                         | MSK 5823-2.5HRHG                    | 3B         | HYBRID, VOLTAGE REGULATOR, POSITIVE, FIXED, 2.5 V                  | MSK             | 51651     |
| 5962F0824602HXC                         | MSK 5823-2.5HRHG                    | 3B         | HYBRID, VOLTAGE REGULATOR, POSITIVE, FIXED, 2.5 V                  | MSK             | 51651     |
| 5962F0824602KYA                         | MSK 5823-2.5KRH                     | 3B         | HYBRID, VOLTAGE REGULATOR, POSITIVE, FIXED, 2.5 V                  | MSK             | 51651     |
| 5962F0824602HYA                         | MSK 5823-2.5HRH                     | 3B         | HYBRID, VOLTAGE REGULATOR, POSITIVE, FIXED, 2.5 V                  | MSK             | 51651     |
| 5962F0824602KYC                         | MSK 5823-2.5KRH                     | 3B         | HYBRID, VOLTAGE REGULATOR, POSITIVE, FIXED, 2.5 V                  | MSK             | 51651     |
| 5962-0920101KZC                         | VRG8652-201-1S                      | 2          | HYBRID, VOLTAGE REGULATOR, DUAL, POSITIVE AND NEGATIVE, ADJUSTABLE | Aeroflex        | 88379     |
| 5962-0920101KZA                         | VRG8652-201-2S                      | 2          | HYBRID, VOLTAGE REGULATOR, DUAL, POSITIVE AND NEGATIVE, ADJUSTABLE | Aeroflex        | 88379     |
| 5962-0920101KUC                         | VRG8651-201-1S                      | 2          | HYBRID, VOLTAGE REGULATOR, DUAL, POSITIVE AND NEGATIVE, ADJUSTABLE | Aeroflex        | 88379     |
| 5962-0920101KUA                         | VRG8651-201-2S                      | 2          | HYBRID, VOLTAGE REGULATOR, DUAL, POSITIVE AND NEGATIVE, ADJUSTABLE | Aeroflex        | 88379     |
| 5962-0920102KTC                         | VRG8658-202-1S                      | 2          | HYBRID, VOLTAGE REGULATOR, DUAL, POSITIVE, ADJUSTABLE              | Aeroflex        | 88379     |
| 5962-0920102KYA                         | VRG8658-201-2S                      | 3A         | HYBRID, VOLTAGE REGULATOR, DUAL, POSITIVE, ADJUSTABLE              | Aeroflex        | 88379     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |   |                 |           |
|---|-------------------------------------|------------|---|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                              | Approved Source | CAGE Code |
| 5962-0920102KYC                         | VRG8658-201-1S                      | 3A         | HYBRID, VOLTAGE REGULATOR, DUAL, POSITIVE, ADJUSTABLE | Aeroflex        | 88379     |
| 5962-0920102KXA                         | VRG8657-201-2S                      | 3A         | HYBRID, VOLTAGE REGULATOR, DUAL, POSITIVE, ADJUSTABLE | Aeroflex        | 88379     |
| 5962-0920102KXC                         | VRG8657-201-1S                      | 3A         | HYBRID, VOLTAGE REGULATOR, DUAL, POSITIVE, ADJUSTABLE | Aeroflex        | 88379     |
| 5962-0920201KXC                         | ACT8510-201-1S                      | 1B         | ANALOG MULTIPLEXER, 64 CHANNEL, HYBRID                | Aeroflex        | 88379     |
| 5962-0920202KXC                         | ACT8511-201-1S                      | 1B         | ANALOG MULTIPLEXER, 64 CHANNEL, HYBRID                | Aeroflex        | 88379     |
| 5962-0920301KXC                         | ACT8512-201-1S                      | 1B         | HYBRID, ANALOG MULTIPLEXER, 48 CHANNEL                | Aeroflex        | 88379     |
| 5962-0920302KXC                         | ACT8513-201-1S                      | 1B         | HYBRID, ANALOG MULTIPLEXER, 48 CHANNEL                | Aeroflex        | 88379     |
| 5962-0920401KXC                         | ACT8518-201-1S                      | 1B         | ANALOG MULTIPLEXER, 32 CHANNEL, HYBRID                | Aeroflex        | 88379     |
| 5962-0920501HYA                         | AS8FLC1M32BP-120/Q                  | 1C         | FLASH EPROM, 1M X 32-BIT, 3.3 V, 120 NS ACCESS TIME   | Micross Comp,   | 0EU86     |
| 5962-0920501HXC                         | AS8FLC1M32BQ-120/Q                  | 1C         | FLASH EPROM, 1M X 32-BIT, 3.3 V, 120 NS ACCESS TIME   | Micross Comp,   | 0EU86     |
| 5962-0920501HYC                         | AS8FLC1M32BP-120/Q                  | 1C         | FLASH EPROM, 1M X 32-BIT, 3.3 V, 120 NS ACCESS TIME   | Micross Comp,   | 0EU86     |
| 5962-0920501HXA                         | AS8FLC1M32BQ-120/Q                  | 1C         | FLASH EPROM, 1M X 32-BIT, 3.3 V, 120 NS ACCESS TIME   | Micross Comp,   | 0EU86     |
| 5962-0920502HXA                         | AS8FLC1M32BQ-100/Q                  | 1C         | FLASH EPROM, 1M X 32-BIT, 3.3 V, 100 NS ACCESS TIME   | Micross Comp,   | 0EU86     |
| 5962-0920502HYC                         | AS8FLC1M32BP-100/Q                  | 1C         | FLASH EPROM, 1M X 32-BIT, 3.3 V, 100 NS ACCESS TIME   | Micross Comp,   | 0EU86     |
| 5962-0920502HXC                         | AS8FLC1M32BQ-100/Q                  | 1C         | FLASH EPROM, 1M X 32-BIT, 3.3 V, 100 NS ACCESS TIME   | Micross Comp,   | 0EU86     |
| 5962-0920502HYA                         | AS8FLC1M32BP-100/Q                  | 1C         | FLASH EPROM, 1M X 32-BIT, 3.3 V, 100 NS ACCESS TIME   | Micross Comp,   | 0EU86     |
| 5962-0920503HYA                         | AS8FLC1M32BP-90/Q                   | 1C         | FLASH EPROM, 1M X 32-BIT, 3.3 V, 90 NS ACCESS TIME    | Micross Comp,   | 0EU86     |
| 5962-0920503HYC                         | AS8FLC1M32BP-90/Q                   | 1C         | FLASH EPROM, 1M X 32-BIT, 3.3 V, 90 NS ACCESS TIME    | Micross Comp,   | 0EU86     |
| 5962-0920503HXA                         | AS8FLC1M32BQ-90/Q                   | 1C         | FLASH EPROM, 1M X 32-BIT, 3.3 V, 90 NS ACCESS TIME    | Micross Comp,   | 0EU86     |
| 5962-0920503HXC                         | AS8FLC1M32BQ-90/Q                   | 1C         | FLASH EPROM, 1M X 32-BIT, 3.3 V, 90 NS ACCESS TIME    | Micross Comp,   | 0EU86     |
| 5962-0920504HYA                         | AS8FLC1M32BP-70/Q                   | 1C         | FLASH EPROM, 1M X 32-BIT, 3.3 V, 70 NS ACCESS TIME    | Micross Comp,   | 0EU86     |
| 5962-0920504HXC                         | AS8FLC1M32BQ-70/Q                   | 1C         | FLASH EPROM, 1M X 32-BIT, 3.3 V, 70 NS ACCESS TIME    | Micross Comp,   | 0EU86     |
| 5962-0920504HYC                         | AS8FLC1M32BP-70/Q                   | 1C         | FLASH EPROM, 1M X 32-BIT, 3.3 V, 70 NS ACCESS TIME    | Micross Comp,   | 0EU86     |
| 5962-0920504HXA                         | AS8FLC1M32BQ-70/Q                   | 1C         | FLASH EPROM, 1M X 32-BIT, 3.3 V, 70 NS ACCESS TIME    | Micross Comp,   | 0EU86     |
| 5962-0920601KXA                         | VRG8660-201-2S                      | 1C         | VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE               | Aeroflex        | 88379     |
| 5962-0920601KXC                         | VRG8660-201-1S                      | 1C         | VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE               | Aeroflex        | 88379     |
| 5962-0920602KXA                         | VRG8661-201-2S                      | 2          | VOLTAGE REGULATOR, NEGATIVE, ADJUSTABLE               | Aeroflex        | 88379     |
| 5962-0920602KXC                         | VRG8661-201-1S                      | 2          | VOLTAGE REGULATOR, NEGATIVE, ADJUSTABLE               | Aeroflex        | 88379     |
| 5962-0920701KXA                         | VRG8662-201-2S                      | 3A         | VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE, LOW DROPOUT  | Aeroflex        | 88379     |
| 5962-0920701KXC                         | VRG8662-201-1S                      | 3A         | VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE, LOW DROPOUT  | Aeroflex        | 88379     |
| 5962-0920702KYC                         | VRG8663-201-1S                      | 2          | VOLTAGE REGULATOR, NEGATIVE, ADJUSTABLE, LOW DROPOUT  | Aeroflex        | 88379     |
| 5962-0920702KYA                         | VRG8663-201-2S                      | 2          | VOLTAGE REGULATOR, NEGATIVE, ADJUSTABLE, LOW DROPOUT  | Aeroflex        | 88379     |
| 5962F0920801KXA                         | MSK 5824KRHG                        | 3B         | HYBRID, VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE       | MSK             | 51651     |
| 5962F0920801KXC                         | MSK 5824KRHG                        | 3B         | HYBRID, VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE       | MSK             | 51651     |
| 5962F0920801KYC                         | MSK 5824KRH                         | 3B         | HYBRID, VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE       | MSK             | 51651     |
| 5962F0920801KYA                         | MSK 5824KRH                         | 3B         | HYBRID, VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE       | MSK             | 51651     |
| 5962F0920801HXC                         | MSK 5824HRHG                        | 3B         | HYBRID, VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE       | MSK             | 51651     |
| 5962F0920801HXA                         | MSK 5824HRHG                        | 3B         | HYBRID, VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE       | MSK             | 51651     |
| 5962F0920801HYC                         | MSK 5824HRH                         | 3B         | HYBRID, VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE       | MSK             | 51651     |
| 5962F0920801HYA                         | MSK 5824HRH                         | 3B         | HYBRID, VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE       | MSK             | 51651     |
| 5962F0920901HYC                         | MSK 5825-2.5HRH                     | 3B         | HYBRID, VOLTAGE REGULATOR, POSITIVE, FIXED, 2.5 V     | MSK             | 51651     |
| 5962F0920901HXA                         | MSK 5825-2.5HRHG                    | 3B         | HYBRID, VOLTAGE REGULATOR, POSITIVE, FIXED, 2.5 V     | MSK             | 51651     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                                     | Approved Source | CAGE Code |
| 5962F0920901KYA                         | MSK 5825-2.5KRH                     | 3B         | HYBRID, VOLTAGE REGULATOR, POSITIVE, FIXED, 2.5 V            | MSK             | 51651     |
| 5962F0920901KYC                         | MSK 5825-2.5KRH                     | 3B         | HYBRID, VOLTAGE REGULATOR, POSITIVE, FIXED, 2.5 V            | MSK             | 51651     |
| 5962F0920901KXA                         | MSK 5825-2.5KRHG                    | 3B         | HYBRID, VOLTAGE REGULATOR, POSITIVE, FIXED, 2.5 V            | MSK             | 51651     |
| 5962F0920901KXC                         | MSK 5825-2.5KRHG                    | 3B         | HYBRID, VOLTAGE REGULATOR, POSITIVE, FIXED, 2.5 V            | MSK             | 51651     |
| 5962F0920901HYA                         | MSK 5825-2.5HRH                     | 3B         | HYBRID, VOLTAGE REGULATOR, POSITIVE, FIXED, 2.5 V            | MSK             | 51651     |
| 5962F0920901HXC                         | MSK 5825-2.5HRHG                    | 3B         | HYBRID, VOLTAGE REGULATOR, POSITIVE, FIXED, 2.5 V            | MSK             | 51651     |
| 5962F0920902KXC                         | MSK 5825-3.3KRHG                    | 3B         | HYBRID, VOLTAGE REGULATOR, POSITIVE, FIXED, 3.3 V            | MSK             | 51651     |
| 5962F0920902HXA                         | MSK 5825-3.3HRHG                    | 3B         | HYBRID, VOLTAGE REGULATOR, POSITIVE, FIXED, 3.3 V            | MSK             | 51651     |
| 5962F0920902HYC                         | MSK 5825-3.3HRH                     | 3B         | HYBRID, VOLTAGE REGULATOR, POSITIVE, FIXED, 3.3 V            | MSK             | 51651     |
| 5962F0920902HYA                         | MSK 5825-3.3HRH                     | 3B         | HYBRID, VOLTAGE REGULATOR, POSITIVE, FIXED, 3.3 V            | MSK             | 51651     |
| 5962F0920902HXC                         | MSK 5825-3.3HRHG                    | 3B         | HYBRID, VOLTAGE REGULATOR, POSITIVE, FIXED, 3.3 V            | MSK             | 51651     |
| 5962F0920902KYA                         | MSK 5825-3.3KRH                     | 3B         | HYBRID, VOLTAGE REGULATOR, POSITIVE, FIXED, 3.3 V            | MSK             | 51651     |
| 5962F0920902KXA                         | MSK 5825-3.3KRHG                    | 3B         | HYBRID, VOLTAGE REGULATOR, POSITIVE, FIXED, 3.3 V            | MSK             | 51651     |
| 5962F0920902KYC                         | MSK 5825-3.3KRH                     | 3B         | HYBRID, VOLTAGE REGULATOR, POSITIVE, FIXED, 3.3 V            | MSK             | 51651     |
| 5962F0921001HYA                         | MSK 5826HRH                         | 3B         | HYBRID, VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE              | MSK             | 51651     |
| 5962F0921001KXA                         | MSK 5826KRHG                        | 3B         | HYBRID, VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE              | MSK             | 51651     |
| 5962F0921001KYC                         | MSK 5826KRH                         | 3B         | HYBRID, VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE              | MSK             | 51651     |
| 5962F0921001KYA                         | MSK 5826KRH                         | 3B         | HYBRID, VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE              | MSK             | 51651     |
| 5962F0921001HXC                         | MSK 5826HRHG                        | 3B         | HYBRID, VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE              | MSK             | 51651     |
| 5962F0921001HXA                         | MSK 5826HRHG                        | 3B         | HYBRID, VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE              | MSK             | 51651     |
| 5962F0921001HYC                         | MSK 5826HRH                         | 3B         | HYBRID, VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE              | MSK             | 51651     |
| 5962F0921001KXC                         | MSK 5826KRHG                        | 3B         | HYBRID, VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE              | MSK             | 51651     |
| 5962R0921101HYC                         | MSK 5970HRHU                        | 3A         | HYBRID, VOLTAGE REGULATOR, ADJUSTABLE, POSITIVE, LOW DROPOUT | MSK             | 51651     |
| 5962R0921101HYA                         | MSK 5970HRHU                        | 3A         | HYBRID, VOLTAGE REGULATOR, ADJUSTABLE, POSITIVE, LOW DROPOUT | MSK             | 51651     |
| 5962R0921101HUC                         | MSK 5970HRHL                        | 3A         | HYBRID, VOLTAGE REGULATOR, ADJUSTABLE, POSITIVE, LOW DROPOUT | MSK             | 51651     |
| 5962R0921101HXA                         | MSK 5970HRHS                        | 3A         | HYBRID, VOLTAGE REGULATOR, ADJUSTABLE, POSITIVE, LOW DROPOUT | MSK             | 51651     |
| 5962R0921101KZA                         | MSK 5970KRHD                        | 3A         | HYBRID, VOLTAGE REGULATOR, ADJUSTABLE, POSITIVE, LOW DROPOUT | MSK             | 51651     |
| 5962R0921101KYA                         | MSK 5970KRHU                        | 3A         | HYBRID, VOLTAGE REGULATOR, ADJUSTABLE, POSITIVE, LOW DROPOUT | MSK             | 51651     |
| 5962R0921101HUA                         | MSK 5970HRHL                        | 3A         | HYBRID, VOLTAGE REGULATOR, ADJUSTABLE, POSITIVE, LOW DROPOUT | MSK             | 51651     |
| 5962R0921101HXC                         | MSK 5970HRHS                        | 3A         | HYBRID, VOLTAGE REGULATOR, ADJUSTABLE, POSITIVE, LOW DROPOUT | MSK             | 51651     |
| 5962R0921101KXC                         | MSK 5970KRHS                        | 3A         | HYBRID, VOLTAGE REGULATOR, ADJUSTABLE, POSITIVE, LOW DROPOUT | MSK             | 51651     |
| 5962R0921101KZC                         | MSK 5970KRHD                        | 3A         | HYBRID, VOLTAGE REGULATOR, ADJUSTABLE, POSITIVE, LOW DROPOUT | MSK             | 51651     |
| 5962R0921101KUA                         | MSK 5970KRHL                        | 3A         | HYBRID, VOLTAGE REGULATOR, ADJUSTABLE, POSITIVE, LOW DROPOUT | MSK             | 51651     |
| 5962R0921101KXA                         | MSK 5970KRHS                        | 3A         | HYBRID, VOLTAGE REGULATOR, ADJUSTABLE, POSITIVE, LOW DROPOUT | MSK             | 51651     |
| 5962R0921101HZC                         | MSK 5970HRHD                        | 3A         | HYBRID, VOLTAGE REGULATOR, ADJUSTABLE, POSITIVE, LOW DROPOUT | MSK             | 51651     |
| 5962R0921101KYC                         | MSK 5970KRHU                        | 3A         | HYBRID, VOLTAGE REGULATOR, ADJUSTABLE, POSITIVE, LOW DROPOUT | MSK             | 51651     |

**Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing**

**PRODUCT ELIGIBILITY:** The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

**DLA Land and Maritime - VQ**

**Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH**

**Approved Source Master Product Listing**

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                                     | Approved Source | CAGE Code |
| 5962R0921101HZA                         | MSK 5970HRHD                        | 3A         | HYBRID, VOLTAGE REGULATOR, ADJUSTABLE, POSITIVE, LOW DROPOUT | MSK             | 51651     |
| 5962R0921101KUC                         | MSK 5970KRHL                        | 3A         | HYBRID, VOLTAGE REGULATOR, ADJUSTABLE, POSITIVE, LOW DROPOUT | MSK             | 51651     |
| 5962R0921201KXC                         | MSK 5971KRHS                        | 2          | HYBRID, VOLTAGE REGULATOR, ADJUSTABLE, POSITIVE, LOW DROPOUT | MSK             | 51651     |
| 5962R0921201HZA                         | MSK 5971HRHD                        | 2          | HYBRID, VOLTAGE REGULATOR, ADJUSTABLE, POSITIVE, LOW DROPOUT | MSK             | 51651     |
| 5962R0921201HZA                         | MSK 5971HRHD                        | 2          | HYBRID, VOLTAGE REGULATOR, ADJUSTABLE, POSITIVE, LOW DROPOUT | MSK             | 51651     |
| 5962R0921201HUA                         | MSK 5971HRHL                        | 2          | HYBRID, VOLTAGE REGULATOR, ADJUSTABLE, POSITIVE, LOW DROPOUT | MSK             | 51651     |
| 5962R0921201HUC                         | MSK 5971HRHL                        | 2          | HYBRID, VOLTAGE REGULATOR, ADJUSTABLE, POSITIVE, LOW DROPOUT | MSK             | 51651     |
| 5962R0921201HXA                         | MSK 5971HRHS                        | 2          | HYBRID, VOLTAGE REGULATOR, ADJUSTABLE, POSITIVE, LOW DROPOUT | MSK             | 51651     |
| 5962R0921201HXC                         | MSK 5971HRHS                        | 2          | HYBRID, VOLTAGE REGULATOR, ADJUSTABLE, POSITIVE, LOW DROPOUT | MSK             | 51651     |
| 5962R0921201HYA                         | MSK 5971HRHU                        | 2          | HYBRID, VOLTAGE REGULATOR, ADJUSTABLE, POSITIVE, LOW DROPOUT | MSK             | 51651     |
| 5962R0921201HYC                         | MSK 5971HRHU                        | 2          | HYBRID, VOLTAGE REGULATOR, ADJUSTABLE, POSITIVE, LOW DROPOUT | MSK             | 51651     |
| 5962R0921201KZA                         | MSK 5971KRHD                        | 2          | HYBRID, VOLTAGE REGULATOR, ADJUSTABLE, POSITIVE, LOW DROPOUT | MSK             | 51651     |
| 5962R0921201KUC                         | MSK 5971KRHL                        | 2          | HYBRID, VOLTAGE REGULATOR, ADJUSTABLE, POSITIVE, LOW DROPOUT | MSK             | 51651     |
| 5962R0921201KUA                         | MSK 5971KRHL                        | 2          | HYBRID, VOLTAGE REGULATOR, ADJUSTABLE, POSITIVE, LOW DROPOUT | MSK             | 51651     |
| 5962R0921201KYA                         | MSK 5971KRHU                        | 2          | HYBRID, VOLTAGE REGULATOR, ADJUSTABLE, POSITIVE, LOW DROPOUT | MSK             | 51651     |
| 5962R0921201KYC                         | MSK 5971KRHU                        | 2          | HYBRID, VOLTAGE REGULATOR, ADJUSTABLE, POSITIVE, LOW DROPOUT | MSK             | 51651     |
| 5962R0921201KZC                         | MSK 5971KRHD                        | 2          | HYBRID, VOLTAGE REGULATOR, ADJUSTABLE, POSITIVE, LOW DROPOUT | MSK             | 51651     |
| 5962R0921201KXA                         | MSK 5971KRHS                        | 2          | HYBRID, VOLTAGE REGULATOR, ADJUSTABLE, POSITIVE, LOW DROPOUT | MSK             | 51651     |
| 5962R0921301HXC                         | MSK 5972HRHS                        | 1C         | HYBRID, VOLTAGE REGULATOR, ADJUSTABLE, POSITIVE, LOW DROPOUT | MSK             | 51651     |
| 5962R0921301KXC                         | MSK 5972KRHS                        | 1C         | HYBRID, VOLTAGE REGULATOR, ADJUSTABLE, POSITIVE, LOW DROPOUT | MSK             | 51651     |
| 5962R0921301HZA                         | MSK 5972HRHD                        | 1C         | HYBRID, VOLTAGE REGULATOR, ADJUSTABLE, POSITIVE, LOW DROPOUT | MSK             | 51651     |
| 5962R0921301HZA                         | MSK 5972HRHD                        | 1C         | HYBRID, VOLTAGE REGULATOR, ADJUSTABLE, POSITIVE, LOW DROPOUT | MSK             | 51651     |
| 5962R0921301HUA                         | MSK 5972HRHL                        | 1C         | HYBRID, VOLTAGE REGULATOR, ADJUSTABLE, POSITIVE, LOW DROPOUT | MSK             | 51651     |
| 5962R0921301KXA                         | MSK 5972KRHS                        | 1C         | HYBRID, VOLTAGE REGULATOR, ADJUSTABLE, POSITIVE, LOW DROPOUT | MSK             | 51651     |
| 5962R0921301HXA                         | MSK 5972HRHS                        | 1C         | HYBRID, VOLTAGE REGULATOR, ADJUSTABLE, POSITIVE, LOW DROPOUT | MSK             | 51651     |
| 5962R0921301KYC                         | MSK 5972KRHU                        | 1C         | HYBRID, VOLTAGE REGULATOR, ADJUSTABLE, POSITIVE, LOW DROPOUT | MSK             | 51651     |
| 5962R0921301HYA                         | MSK 5972HRHU                        | 1C         | HYBRID, VOLTAGE REGULATOR, ADJUSTABLE, POSITIVE, LOW DROPOUT | MSK             | 51651     |

**Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing**

**PRODUCT ELIGIBILITY:** The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

**DLA Land and Maritime - VQ**

**Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH**

**Approved Source Master Product Listing**

| Sorted by Standard Microcircuit Drawing |  |                   |  |                        |                  |
|---|--|-------------------|--|------------------------|------------------|
| <b>Standard Microcircuit Drawing</b>    | <b>Manufacturer Similar Part Number /4</b> | <b>ESDS Class</b> | <b>Product Type/Description</b>                              | <b>Approved Source</b> | <b>CAGE Code</b> |
| 5962R0921301HYC                         | MSK 5972HRHU                               | 1C                | HYBRID, VOLTAGE REGULATOR, ADJUSTABLE, POSITIVE, LOW DROPOUT | MSK                    | 51651            |
| 5962R0921301KZA                         | MSK 5972KRHD                               | 1C                | HYBRID, VOLTAGE REGULATOR, ADJUSTABLE, POSITIVE, LOW DROPOUT | MSK                    | 51651            |
| 5962R0921301KZC                         | MSK 5972KRHD                               | 1C                | HYBRID, VOLTAGE REGULATOR, ADJUSTABLE, POSITIVE, LOW DROPOUT | MSK                    | 51651            |
| 5962R0921301KUA                         | MSK 5972KRHL                               | 1C                | HYBRID, VOLTAGE REGULATOR, ADJUSTABLE, POSITIVE, LOW DROPOUT | MSK                    | 51651            |
| 5962R0921301KUC                         | MSK 5972KRHL                               | 1C                | HYBRID, VOLTAGE REGULATOR, ADJUSTABLE, POSITIVE, LOW DROPOUT | MSK                    | 51651            |
| 5962R0921301HUC                         | MSK 5972HRHL                               | 1C                | HYBRID, VOLTAGE REGULATOR, ADJUSTABLE, POSITIVE, LOW DROPOUT | MSK                    | 51651            |
| 5962R0921301KYA                         | MSK 5972KRHU                               | 1C                | HYBRID, VOLTAGE REGULATOR, ADJUSTABLE, POSITIVE, LOW DROPOUT | MSK                    | 51651            |
| 5962R0921401HUA                         | MSK 5973HRHL                               | 2                 | HYBRID, VOLTAGE REGULATOR, ADJUSTABLE, NEGATIVE, LOW DROPOUT | MSK                    | 51651            |
| 5962R0921401HZC                         | MSK 5973HRHD                               | 2                 | HYBRID, VOLTAGE REGULATOR, ADJUSTABLE, NEGATIVE, LOW DROPOUT | MSK                    | 51651            |
| 5962R0921401HUC                         | MSK 5973HRHL                               | 2                 | HYBRID, VOLTAGE REGULATOR, ADJUSTABLE, NEGATIVE, LOW DROPOUT | MSK                    | 51651            |
| 5962R0921401HXC                         | MSK 5973HRHS                               | 2                 | HYBRID, VOLTAGE REGULATOR, ADJUSTABLE, NEGATIVE, LOW DROPOUT | MSK                    | 51651            |
| 5962R0921401HYA                         | MSK 5973HRHU                               | 2                 | HYBRID, VOLTAGE REGULATOR, ADJUSTABLE, NEGATIVE, LOW DROPOUT | MSK                    | 51651            |
| 5962R0921401HYC                         | MSK 5973HRHU                               | 2                 | HYBRID, VOLTAGE REGULATOR, ADJUSTABLE, NEGATIVE, LOW DROPOUT | MSK                    | 51651            |
| 5962R0921401KZA                         | MSK 5973KRHD                               | 2                 | HYBRID, VOLTAGE REGULATOR, ADJUSTABLE, NEGATIVE, LOW DROPOUT | MSK                    | 51651            |
| 5962R0921401KZC                         | MSK 5973KRHD                               | 2                 | HYBRID, VOLTAGE REGULATOR, ADJUSTABLE, NEGATIVE, LOW DROPOUT | MSK                    | 51651            |
| 5962R0921401KUA                         | MSK 5973KRHL                               | 2                 | HYBRID, VOLTAGE REGULATOR, ADJUSTABLE, NEGATIVE, LOW DROPOUT | MSK                    | 51651            |
| 5962R0921401KXA                         | MSK 5973KRHS                               | 2                 | HYBRID, VOLTAGE REGULATOR, ADJUSTABLE, NEGATIVE, LOW DROPOUT | MSK                    | 51651            |
| 5962R0921401KXC                         | MSK 5973KRHS                               | 2                 | HYBRID, VOLTAGE REGULATOR, ADJUSTABLE, NEGATIVE, LOW DROPOUT | MSK                    | 51651            |
| 5962R0921401KYA                         | MSK 5973KRHU                               | 2                 | HYBRID, VOLTAGE REGULATOR, ADJUSTABLE, NEGATIVE, LOW DROPOUT | MSK                    | 51651            |
| 5962R0921401KYC                         | MSK 5973KRHU                               | 2                 | HYBRID, VOLTAGE REGULATOR, ADJUSTABLE, NEGATIVE, LOW DROPOUT | MSK                    | 51651            |
| 5962R0921401HZA                         | MSK 5973HRHD                               | 2                 | HYBRID, VOLTAGE REGULATOR, ADJUSTABLE, NEGATIVE, LOW DROPOUT | MSK                    | 51651            |
| 5962R0921401HXA                         | MSK 5973HRHS                               | 2                 | HYBRID, VOLTAGE REGULATOR, ADJUSTABLE, NEGATIVE, LOW DROPOUT | MSK                    | 51651            |
| 5962F0921601KNC                         | MSK 5800KRH                                | 3B                | VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE, 4.0 A, HYBRID       | MSK                    | 51651            |
| 5962F0921601KNA                         | MSK 5800KRH                                | 3B                | VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE, 4.0 A, HYBRID       | MSK                    | 51651            |
| 5962F0921601HNC                         | MSK 5800HRH                                | 3B                | VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE, 4.0 A, HYBRID       | MSK                    | 51651            |
| 5962F0921601HNA                         | MSK 5800HRH                                | 3B                | VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE, 4.0 A, HYBRID       | MSK                    | 51651            |
| 5962F0921602KUC                         | MSK 5810KRHG                               | 3B                | VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE, 5.0 A, HYBRID       | MSK                    | 51651            |

**Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing**

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**DLA Land and Maritime - VQ**

**Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH**

**Approved Source Master Product Listing**

| Sorted by Standard Microcircuit Drawing |  |                   |  |                        |                  |
|---|--|-------------------|--|------------------------|------------------|
| <b>Standard Microcircuit Drawing</b>    | <b>Manufacturer Similar Part Number /4</b> | <b>ESDS Class</b> | <b>Product Type/Description</b>                          | <b>Approved Source</b> | <b>CAGE Code</b> |
| 5962F0921602KUA                         | MSK 5810KRHG                               | 3B                | VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE, 5.0 A, HYBRID   | MSK                    | 51651            |
| 5962F0921602KTC                         | MSK 5810KRH                                | 3B                | VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE, 5.0 A, HYBRID   | MSK                    | 51651            |
| 5962F0921602KTA                         | MSK 5810KRH                                | 3B                | VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE, 5.0 A, HYBRID   | MSK                    | 51651            |
| 5962F0921602HUC                         | MSK 5810HRHG                               | 3B                | VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE, 5.0 A, HYBRID   | MSK                    | 51651            |
| 5962F0921602HUA                         | MSK 5810HRHG                               | 3B                | VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE, 5.0 A, HYBRID   | MSK                    | 51651            |
| 5962F0921602HTA                         | MSK 5810HRH                                | 3B                | VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE, 5.0 A, HYBRID   | MSK                    | 51651            |
| 5962F0921602HTC                         | MSK 5810HRH                                | 3B                | VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE, 5.0 A, HYBRID   | MSK                    | 51651            |
| 5962F0921603KXC                         | MSK 5821KRHS                               | 3B                | VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE, 5.0 A, HYBRID   | MSK                    | 51651            |
| 5962F0921603KYA                         | MSK 5821KRHU                               | 3B                | VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE, 5.0 A, HYBRID   | MSK                    | 51651            |
| 5962F0921603HYA                         | MSK 5821HRHU                               | 3B                | VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE, 5.0 A, HYBRID   | MSK                    | 51651            |
| 5962F0921603KXA                         | MSK 5821KRHS                               | 3B                | VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE, 5.0 A, HYBRID   | MSK                    | 51651            |
| 5962F0921603HZA                         | MSK 5821HRHD                               | 3B                | VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE, 5.0 A, HYBRID   | MSK                    | 51651            |
| 5962F0921603KMC                         | MSK 5821KRHW                               | 3B                | VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE, 5.0 A, HYBRID   | MSK                    | 51651            |
| 5962F0921603KMA                         | MSK 5821KRHW                               | 3B                | VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE, 5.0 A, HYBRID   | MSK                    | 51651            |
| 5962F0921603KYC                         | MSK 5821KRHU                               | 3B                | VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE, 5.0 A, HYBRID   | MSK                    | 51651            |
| 5962F0921603KZA                         | MSK 5821KRHD                               | 3B                | VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE, 5.0 A, HYBRID   | MSK                    | 51651            |
| 5962F0921603HYC                         | MSK 5821HRHU                               | 3B                | VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE, 5.0 A, HYBRID   | MSK                    | 51651            |
| 5962F0921603HZC                         | MSK 5821HRHD                               | 3B                | VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE, 5.0 A, HYBRID   | MSK                    | 51651            |
| 5962F0921603HMA                         | MSK 5821HRHW                               | 3B                | VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE, 5.0 A, HYBRID   | MSK                    | 51651            |
| 5962F0921603HMC                         | MSK 5821HRHW                               | 3B                | VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE, 5.0 A, HYBRID   | MSK                    | 51651            |
| 5962F0921603HXA                         | MSK 5821HRHS                               | 3B                | VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE, 5.0 A, HYBRID   | MSK                    | 51651            |
| 5962F0921603HXC                         | MSK 5821HRHS                               | 3B                | VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE, 5.0 A, HYBRID   | MSK                    | 51651            |
| 5962F0921603KZC                         | MSK 5821KRHD                               | 3B                | VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE, 5.0 A, HYBRID   | MSK                    | 51651            |
| 5962F0921604HZC                         | MSK 5820-1.5HRHD                           | 3B                | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.5 V, 5.0 A, HYBRID | MSK                    | 51651            |
| 5962F0921604KYA                         | MSK 5820-1.5KRHU                           | 3B                | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.5 V, 5.0 A, HYBRID | MSK                    | 51651            |
| 5962F0921604KXC                         | MSK 5820-1.5KRHS                           | 3B                | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.5 V, 5.0 A, HYBRID | MSK                    | 51651            |
| 5962F0921604KXA                         | MSK 5820-1.5KRHS                           | 3B                | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.5 V, 5.0 A, HYBRID | MSK                    | 51651            |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                                 | Approved Source | CAGE Code |
| 5962F0921604KMC                         | MSK 5820-1.5KRHW                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.5 V, 5.0 A, HYBRID | MSK             | 51651     |
| 5962F0921604KMA                         | MSK 5820-1.5KRHW                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.5 V, 5.0 A, HYBRID | MSK             | 51651     |
| 5962F0921604KZC                         | MSK 5820-1.5KRHD                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.5 V, 5.0 A, HYBRID | MSK             | 51651     |
| 5962F0921604KZA                         | MSK 5820-1.5KRHD                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.5 V, 5.0 A, HYBRID | MSK             | 51651     |
| 5962F0921604HYC                         | MSK 5820-1.5HRHU                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.5 V, 5.0 A, HYBRID | MSK             | 51651     |
| 5962F0921604HYA                         | MSK 5820-1.5HRHU                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.5 V, 5.0 A, HYBRID | MSK             | 51651     |
| 5962F0921604KYC                         | MSK 5820-1.5KRHU                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.5 V, 5.0 A, HYBRID | MSK             | 51651     |
| 5962F0921604HMC                         | MSK 5820-1.5HRHW                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.5 V, 5.0 A, HYBRID | MSK             | 51651     |
| 5962F0921604HZA                         | MSK 5820-1.5HRHD                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.5 V, 5.0 A, HYBRID | MSK             | 51651     |
| 5962F0921604HXA                         | MSK 5820-1.5HRHS                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.5 V, 5.0 A, HYBRID | MSK             | 51651     |
| 5962F0921604HXC                         | MSK 5820-1.5HRHS                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.5 V, 5.0 A, HYBRID | MSK             | 51651     |
| 5962F0921604HMA                         | MSK 5820-1.5HRHW                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.5 V, 5.0 A, HYBRID | MSK             | 51651     |
| 5962F0921605HYA                         | MSK 5820-1.9HRHU                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.9 V, 5.0 A, HYBRID | MSK             | 51651     |
| 5962F0921605HMA                         | MSK 5820-1.9HRHW                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.9 V, 5.0 A, HYBRID | MSK             | 51651     |
| 5962F0921605HMC                         | MSK 5820-1.9HRHW                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.9 V, 5.0 A, HYBRID | MSK             | 51651     |
| 5962F0921605HXA                         | MSK 5820-1.9HRHS                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.9 V, 5.0 A, HYBRID | MSK             | 51651     |
| 5962F0921605KYC                         | MSK 5820-1.9KRHU                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.9 V, 5.0 A, HYBRID | MSK             | 51651     |
| 5962F0921605KXC                         | MSK 5820-1.9KRHS                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.9 V, 5.0 A, HYBRID | MSK             | 51651     |
| 5962F0921605KYA                         | MSK 5820-1.9KRHU                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.9 V, 5.0 A, HYBRID | MSK             | 51651     |
| 5962F0921605HZA                         | MSK 5820-1.9HRHD                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.9 V, 5.0 A, HYBRID | MSK             | 51651     |
| 5962F0921605HYC                         | MSK 5820-1.9HRHU                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.9 V, 5.0 A, HYBRID | MSK             | 51651     |
| 5962F0921605KZA                         | MSK 5820-1.9KRHD                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.9 V, 5.0 A, HYBRID | MSK             | 51651     |
| 5962F0921605KZC                         | MSK 5820-1.9KRHD                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.9 V, 5.0 A, HYBRID | MSK             | 51651     |
| 5962F0921605KMA                         | MSK 5820-1.9KRHW                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.9 V, 5.0 A, HYBRID | MSK             | 51651     |
| 5962F0921605KMC                         | MSK 5820-1.9KRHW                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.9 V, 5.0 A, HYBRID | MSK             | 51651     |
| 5962F0921605KXA                         | MSK 5820-1.9KRHS                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.9 V, 5.0 A, HYBRID | MSK             | 51651     |
| 5962F0921605HXC                         | MSK 5820-1.9HRHS                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.9 V, 5.0 A, HYBRID | MSK             | 51651     |

**Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing**

**PRODUCT ELIGIBILITY:** The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

**DLA Land and Maritime - VQ**

**Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH**

**Approved Source Master Product Listing**

| Sorted by Standard Microcircuit Drawing |  |                   |  |                        |                  |
|---|--|-------------------|--|------------------------|------------------|
| <b>Standard Microcircuit Drawing</b>    | <b>Manufacturer Similar Part Number /4</b> | <b>ESDS Class</b> | <b>Product Type/Description</b>                          | <b>Approved Source</b> | <b>CAGE Code</b> |
| 5962F0921605HZC                         | MSK 5820-1.9HRHD                           | 3B                | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.9 V, 5.0 A, HYBRID | MSK                    | 51651            |
| 5962F0921606KZA                         | MSK 5820-2.5KRHD                           | 3B                | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.5 V, 5.0 A, HYBRID | MSK                    | 51651            |
| 5962F0921606KYC                         | MSK 5820-2.5KRHU                           | 3B                | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.5 V, 5.0 A, HYBRID | MSK                    | 51651            |
| 5962F0921606KYA                         | MSK 5820-2.5KRHU                           | 3B                | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.5 V, 5.0 A, HYBRID | MSK                    | 51651            |
| 5962F0921606KXC                         | MSK 5820-2.5KRHS                           | 3B                | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.5 V, 5.0 A, HYBRID | MSK                    | 51651            |
| 5962F0921606KXA                         | MSK 5820-2.5KRHS                           | 3B                | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.5 V, 5.0 A, HYBRID | MSK                    | 51651            |
| 5962F0921606KMC                         | MSK 5820-2.5KRHW                           | 3B                | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.5 V, 5.0 A, HYBRID | MSK                    | 51651            |
| 5962F0921606HZA                         | MSK 5820-2.5HRHD                           | 3B                | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.5 V, 5.0 A, HYBRID | MSK                    | 51651            |
| 5962F0921606KZC                         | MSK 5820-2.5KRHD                           | 3B                | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.5 V, 5.0 A, HYBRID | MSK                    | 51651            |
| 5962F0921606HYA                         | MSK 5820-2.5HRHU                           | 3B                | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.5 V, 5.0 A, HYBRID | MSK                    | 51651            |
| 5962F0921606HXA                         | MSK 5820-2.5HRHS                           | 3B                | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.5 V, 5.0 A, HYBRID | MSK                    | 51651            |
| 5962F0921606HMC                         | MSK 5820-2.5HRHW                           | 3B                | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.5 V, 5.0 A, HYBRID | MSK                    | 51651            |
| 5962F0921606HMA                         | MSK 5820-2.5HRHW                           | 3B                | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.5 V, 5.0 A, HYBRID | MSK                    | 51651            |
| 5962F0921606HZC                         | MSK 5820-2.5HRHD                           | 3B                | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.5 V, 5.0 A, HYBRID | MSK                    | 51651            |
| 5962F0921606HXC                         | MSK 5820-2.5HRHS                           | 3B                | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.5 V, 5.0 A, HYBRID | MSK                    | 51651            |
| 5962F0921606KMA                         | MSK 5820-2.5KRHW                           | 3B                | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.5 V, 5.0 A, HYBRID | MSK                    | 51651            |
| 5962F0921606HYC                         | MSK 5820-2.5HRHU                           | 3B                | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.5 V, 5.0 A, HYBRID | MSK                    | 51651            |
| 5962F0921607HZC                         | MSK 5820-2.8HRHD                           | 3B                | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.8 V, 5.0 A, HYBRID | MSK                    | 51651            |
| 5962F0921607HMA                         | MSK 5820-2.8HRHW                           | 3B                | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.8 V, 5.0 A, HYBRID | MSK                    | 51651            |
| 5962F0921607HMC                         | MSK 5820-2.8HRHW                           | 3B                | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.8 V, 5.0 A, HYBRID | MSK                    | 51651            |
| 5962F0921607HXA                         | MSK 5820-2.8HRHS                           | 3B                | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.8 V, 5.0 A, HYBRID | MSK                    | 51651            |
| 5962F0921607HYA                         | MSK 5820-2.8HRHU                           | 3B                | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.8 V, 5.0 A, HYBRID | MSK                    | 51651            |
| 5962F0921607HZA                         | MSK 5820-2.8HRHD                           | 3B                | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.8 V, 5.0 A, HYBRID | MSK                    | 51651            |
| 5962F0921607KZC                         | MSK 5820-2.8KRHD                           | 3B                | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.8 V, 5.0 A, HYBRID | MSK                    | 51651            |
| 5962F0921607HXC                         | MSK 5820-2.8HRHS                           | 3B                | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.8 V, 5.0 A, HYBRID | MSK                    | 51651            |
| 5962F0921607KMA                         | MSK 5820-2.8KRHW                           | 3B                | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.8 V, 5.0 A, HYBRID | MSK                    | 51651            |
| 5962F0921607KMC                         | MSK 5820-2.8KRHW                           | 3B                | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.8 V, 5.0 A, HYBRID | MSK                    | 51651            |



Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                                 | Approved Source | CAGE Code |
| 5962F0921607KXA                         | MSK 5820-2.8KRHS                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.8 V, 5.0 A, HYBRID | MSK             | 51651     |
| 5962F0921607KXC                         | MSK 5820-2.8KRHS                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.8 V, 5.0 A, HYBRID | MSK             | 51651     |
| 5962F0921607KYA                         | MSK 5820-2.8KRHU                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.8 V, 5.0 A, HYBRID | MSK             | 51651     |
| 5962F0921607KYC                         | MSK 5820-2.8KRHU                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.8 V, 5.0 A, HYBRID | MSK             | 51651     |
| 5962F0921607KZA                         | MSK 5820-2.8KRHD                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.8 V, 5.0 A, HYBRID | MSK             | 51651     |
| 5962F0921607HYC                         | MSK 5820-2.8HRHU                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.8 V, 5.0 A, HYBRID | MSK             | 51651     |
| 5962F0921608KYA                         | MSK 5820-3.3KRHU                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 3.3 V, 5.0 A, HYBRID | MSK             | 51651     |
| 5962F0921608HZA                         | MSK 5820-3.3HRHD                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 3.3 V, 5.0 A, HYBRID | MSK             | 51651     |
| 5962F0921608HZC                         | MSK 5820-3.3HRHD                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 3.3 V, 5.0 A, HYBRID | MSK             | 51651     |
| 5962F0921608HMA                         | MSK 5820-3.3HRHGW                   | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 3.3 V, 5.0 A, HYBRID | MSK             | 51651     |
| 5962F0921608HMC                         | MSK 5820-3.3HRHGW                   | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 3.3 V, 5.0 A, HYBRID | MSK             | 51651     |
| 5962F0921608HXA                         | MSK 5820-3.3HRHS                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 3.3 V, 5.0 A, HYBRID | MSK             | 51651     |
| 5962F0921608HXC                         | MSK 5820-3.3HRHS                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 3.3 V, 5.0 A, HYBRID | MSK             | 51651     |
| 5962F0921608HYA                         | MSK 5820-3.3HRHU                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 3.3 V, 5.0 A, HYBRID | MSK             | 51651     |
| 5962F0921608KYC                         | MSK 5820-3.3KRHU                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 3.3 V, 5.0 A, HYBRID | MSK             | 51651     |
| 5962F0921608HYC                         | MSK 5820-3.3HRHU                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 3.3 V, 5.0 A, HYBRID | MSK             | 51651     |
| 5962F0921608KZA                         | MSK 5820-3.3KRHD                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 3.3 V, 5.0 A, HYBRID | MSK             | 51651     |
| 5962F0921608KZC                         | MSK 5820-3.3KRHD                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 3.3 V, 5.0 A, HYBRID | MSK             | 51651     |
| 5962F0921608KMA                         | MSK 5820-3.3KRHGW                   | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 3.3 V, 5.0 A, HYBRID | MSK             | 51651     |
| 5962F0921608KMC                         | MSK 5820-3.3KRHGW                   | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 3.3 V, 5.0 A, HYBRID | MSK             | 51651     |
| 5962F0921608KXA                         | MSK 5820-3.3KRHS                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 3.3 V, 5.0 A, HYBRID | MSK             | 51651     |
| 5962F0921608KXC                         | MSK 5820-3.3KRHS                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 3.3 V, 5.0 A, HYBRID | MSK             | 51651     |
| 5962F0921609HMC                         | MSK 5820-5.0HRHGW                   | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 5.0 V, 5.0 A, HYBRID | MSK             | 51651     |
| 5962F0921609KYA                         | MSK 5820-5.0KRHU                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 5.0 V, 5.0 A, HYBRID | MSK             | 51651     |
| 5962F0921609HXA                         | MSK 5820-5.0HRHS                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 5.0 V, 5.0 A, HYBRID | MSK             | 51651     |
| 5962F0921609HXC                         | MSK 5820-5.0HRHS                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 5.0 V, 5.0 A, HYBRID | MSK             | 51651     |
| 5962F0921609HYA                         | MSK 5820-5.0HRHU                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 5.0 V, 5.0 A, HYBRID | MSK             | 51651     |

**Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing**

**PRODUCT ELIGIBILITY:** The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

**DLA Land and Maritime - VQ**

**Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH**

**Approved Source Master Product Listing**

| Sorted by Standard Microcircuit Drawing |  |                   |  |                        |                  |
|---|--|-------------------|--|------------------------|------------------|
| <b>Standard Microcircuit Drawing</b>    | <b>Manufacturer Similar Part Number /4</b> | <b>ESDS Class</b> | <b>Product Type/Description</b>                          | <b>Approved Source</b> | <b>CAGE Code</b> |
| 5962F0921609HZA                         | MSK 5820-5.0HRHD                           | 3B                | VOLTAGE REGULATOR, POSITIVE, FIXED, 5.0 V, 5.0 A, HYBRID | MSK                    | 51651            |
| 5962F0921609HYC                         | MSK 5820-5.0HRHU                           | 3B                | VOLTAGE REGULATOR, POSITIVE, FIXED, 5.0 V, 5.0 A, HYBRID | MSK                    | 51651            |
| 5962F0921609KZA                         | MSK 5820-5.0KRHD                           | 3B                | VOLTAGE REGULATOR, POSITIVE, FIXED, 5.0 V, 5.0 A, HYBRID | MSK                    | 51651            |
| 5962F0921609KZC                         | MSK 5820-5.0KRHD                           | 3B                | VOLTAGE REGULATOR, POSITIVE, FIXED, 5.0 V, 5.0 A, HYBRID | MSK                    | 51651            |
| 5962F0921609KMA                         | MSK 5820-5.0KRHW                           | 3B                | VOLTAGE REGULATOR, POSITIVE, FIXED, 5.0 V, 5.0 A, HYBRID | MSK                    | 51651            |
| 5962F0921609KMC                         | MSK 5820-5.0KRHW                           | 3B                | VOLTAGE REGULATOR, POSITIVE, FIXED, 5.0 V, 5.0 A, HYBRID | MSK                    | 51651            |
| 5962F0921609KXA                         | MSK 5820-5.0KRHS                           | 3B                | VOLTAGE REGULATOR, POSITIVE, FIXED, 5.0 V, 5.0 A, HYBRID | MSK                    | 51651            |
| 5962F0921609KXC                         | MSK 5820-5.0KRHS                           | 3B                | VOLTAGE REGULATOR, POSITIVE, FIXED, 5.0 V, 5.0 A, HYBRID | MSK                    | 51651            |
| 5962F0921609KYC                         | MSK 5820-5.0KRHU                           | 3B                | VOLTAGE REGULATOR, POSITIVE, FIXED, 5.0 V, 5.0 A, HYBRID | MSK                    | 51651            |
| 5962F0921609HZC                         | MSK 5820-5.0HRHD                           | 3B                | VOLTAGE REGULATOR, POSITIVE, FIXED, 5.0 V, 5.0 A, HYBRID | MSK                    | 51651            |
| 5962F0921609HMA                         | MSK 5820-5.0HRHW                           | 3B                | VOLTAGE REGULATOR, POSITIVE, FIXED, 5.0 V, 5.0 A, HYBRID | MSK                    | 51651            |
| 5962F0921610HZA                         | MSK 5820-1.8HRHD                           | 3B                | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.8 V, 5.0 A, HYBRID | MSK                    | 51651            |
| 5962F0921610KZA                         | MSK 5820-1.8KRHD                           | 3B                | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.8 V, 5.0 A, HYBRID | MSK                    | 51651            |
| 5962F0921610HYC                         | MSK 5820-1.8HRHU                           | 3B                | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.8 V, 5.0 A, HYBRID | MSK                    | 51651            |
| 5962F0921610HXA                         | MSK 5820-1.8KRHS                           | 3B                | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.8 V, 5.0 A, HYBRID | MSK                    | 51651            |
| 5962F0921610HMC                         | MSK 5820-1.8HRHW                           | 3B                | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.8 V, 5.0 A, HYBRID | MSK                    | 51651            |
| 5962F0921610HZC                         | MSK 5820-1.8HRHD                           | 3B                | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.8 V, 5.0 A, HYBRID | MSK                    | 51651            |
| 5962F0921610HXC                         | MSK 5820-1.8KRHS                           | 3B                | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.8 V, 5.0 A, HYBRID | MSK                    | 51651            |
| 5962F0921610KMA                         | MSK 5820-1.8KRHW                           | 3B                | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.8 V, 5.0 A, HYBRID | MSK                    | 51651            |
| 5962F0921610KMC                         | MSK 5820-1.8KRHW                           | 3B                | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.8 V, 5.0 A, HYBRID | MSK                    | 51651            |
| 5962F0921610KXA                         | MSK 5820-1.8KRHS                           | 3B                | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.8 V, 5.0 A, HYBRID | MSK                    | 51651            |
| 5962F0921610KXC                         | MSK 5820-1.8KRHS                           | 3B                | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.8 V, 5.0 A, HYBRID | MSK                    | 51651            |
| 5962F0921610KYA                         | MSK 5820-1.8KRHU                           | 3B                | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.8 V, 5.0 A, HYBRID | MSK                    | 51651            |
| 5962F0921610KYC                         | MSK 5820-1.8KRHU                           | 3B                | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.8 V, 5.0 A, HYBRID | MSK                    | 51651            |
| 5962F0921610KZC                         | MSK 5820-1.8KRHD                           | 3B                | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.8 V, 5.0 A, HYBRID | MSK                    | 51651            |
| 5962F0921610HYA                         | MSK 5820-1.8HRHU                           | 3B                | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.8 V, 5.0 A, HYBRID | MSK                    | 51651            |
| 5962F0921610HMA                         | MSK 5820-1.8HRHW                           | 3B                | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.8 V, 5.0 A, HYBRID | MSK                    | 51651            |
| 5962-0922601KXA                         | DRS4485-201-2S                             | 1B                | HYBRID, RS485 INTERFACE TRANSCEIVER, DUAL CHANNEL        | Aeroflex               | 88379            |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |   |                 |           |
|---|-------------------------------------|------------|---|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                          | Approved Source | CAGE Code |
| 5962-0922601KXC                         | DRS4485-201-1S                      | 1B         | HYBRID, RS485 INTERFACE TRANSCEIVER, DUAL CHANNEL | Aeroflex        | 88379     |
| 5962-0922901KXC                         | MUX8520-201-1S                      | 1B         | HYBRID, ANALOG MULTIPLEXER, 16 CHANNEL            | Aeroflex        | 88379     |
| 5962-0922902KXC                         | MUX8521-201-1S                      | 1B         | HYBRID, ANALOG MULTIPLEXER, 16 CHANNEL            | Aeroflex        | 88379     |
| 5962-0923001KXC                         | MUX8530-201-1S                      | 1B         | HYBRID, ANALOG MULTIPLEXER, 16 CHANNEL            | Aeroflex        | 88379     |
| 5962-0923002KXC                         | MUX8531-201-1S                      | 1B         | HYBRID, ANALOG MULTIPLEXER, 16 CHANNEL            | Aeroflex        | 88379     |
| 5962-0923101KXC                         | MUX8522-201-1S                      | 1B         | HYBRID, ANALOG MULTIPLEXER, DUAL, 16 CHANNEL      | Aeroflex        | 88379     |
| 5962-0923102KXC                         | MUX8523-201-1S                      | 1B         | HYBRID, ANALOG MULTIPLEXER, DUAL, 16 CHANNEL      | Aeroflex        | 88379     |
| 5962-0923201KXC                         | MUX8532-201-1S                      | 1B         | HYBRID, ANALOG MULTIPLEXER, DUAL, 16-CHANNEL      | Aeroflex        | 88379     |
| 5962-0923202KXC                         | MUX8533-201-1S                      | 1B         | HYBRID, ANALOG MULTIPLEXER, DUAL, 16-CHANNEL      | Aeroflex        | 88379     |
| 5962-0923401KXA                         | PCS5035-201-2S                      | 1B         | HYBRID, PRECISION CURRENT SOURCE, QUINTET         | Aeroflex        | 88379     |
| 5962-0923401KXC                         | PCS5035-201-1S                      | 1B         | HYBRID, PRECISION CURRENT SOURCE, QUINTET         | Aeroflex        | 88379     |
| 5962F0923601HZA                         | MSK 5822-1.5HRHD                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.5 V         | MSK             | 51651     |
| 5962F0923601KXA                         | MSK 5822-1.5KRHS                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.5 V         | MSK             | 51651     |
| 5962F0923601KXC                         | MSK 5822-1.5KRHS                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.5 V         | MSK             | 51651     |
| 5962F0923601KYA                         | MSK 5822-1.5KRHU                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.5 V         | MSK             | 51651     |
| 5962F0923601HZC                         | MSK 5822-1.5HRHD                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.5 V         | MSK             | 51651     |
| 5962F0923601KZC                         | MSK 5822-1.5KRHD                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.5 V         | MSK             | 51651     |
| 5962F0923601HXA                         | MSK 5822-1.5HRHS                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.5 V         | MSK             | 51651     |
| 5962F0923601KYC                         | MSK 5822-1.5KRHU                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.5 V         | MSK             | 51651     |
| 5962F0923601HXC                         | MSK 5822-1.5HRHS                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.5 V         | MSK             | 51651     |
| 5962F0923601HYC                         | MSK 5822-1.5HRHU                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.5 V         | MSK             | 51651     |
| 5962F0923601KZA                         | MSK 5822-1.5KRHD                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.5 V         | MSK             | 51651     |
| 5962F0923601HYA                         | MSK 5822-1.5HRHU                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.5 V         | MSK             | 51651     |
| 5962F0923602KZC                         | MSK 5822-1.9KRHD                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.9 V         | MSK             | 51651     |
| 5962F0923602HZA                         | MSK 5822-1.9HRHD                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.9 V         | MSK             | 51651     |
| 5962F0923602HXC                         | MSK 5822-1.9HRHS                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.9 V         | MSK             | 51651     |
| 5962F0923602HYA                         | MSK 5822-1.9HRHU                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.9 V         | MSK             | 51651     |
| 5962F0923602KZA                         | MSK 5822-1.9KRHD                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.9 V         | MSK             | 51651     |
| 5962F0923602KYA                         | MSK 5822-1.9KRHU                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.9 V         | MSK             | 51651     |
| 5962F0923602KYC                         | MSK 5822-1.9KRHU                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.9 V         | MSK             | 51651     |
| 5962F0923602KXA                         | MSK 5822-1.9KRHS                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.9 V         | MSK             | 51651     |
| 5962F0923602KXC                         | MSK 5822-1.9KRHS                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.9 V         | MSK             | 51651     |
| 5962F0923602HYC                         | MSK 5822-1.9HRHU                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.9 V         | MSK             | 51651     |
| 5962F0923602HXA                         | MSK 5822-1.9HRHS                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 1.9 V         | MSK             | 51651     |
| 5962F0923603KZC                         | MSK 5822-2.5KRHD                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.5 V         | MSK             | 51651     |
| 5962F0923603KYC                         | MSK 5822-2.5KRHU                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.5 V         | MSK             | 51651     |
| 5962F0923603KYA                         | MSK 5822-2.5KRHU                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.5 V         | MSK             | 51651     |
| 5962F0923603KXA                         | MSK 5822-2.5KRHS                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.5 V         | MSK             | 51651     |
| 5962F0923603KZA                         | MSK 5822-2.5KRHD                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.5 V         | MSK             | 51651     |
| 5962F0923603HYC                         | MSK 5822-2.5HRHU                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.5 V         | MSK             | 51651     |
| 5962F0923603HYA                         | MSK 5822-2.5HRHU                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.5 V         | MSK             | 51651     |
| 5962F0923603HXC                         | MSK 5822-2.5HRHS                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.5 V         | MSK             | 51651     |
| 5962F0923603HXA                         | MSK 5822-2.5HRHS                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.5 V         | MSK             | 51651     |
| 5962F0923603HZC                         | MSK 5822-2.5HRHD                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.5 V         | MSK             | 51651     |
| 5962F0923603HZA                         | MSK 5822-2.5HRHD                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.5 V         | MSK             | 51651     |
| 5962F0923603KXC                         | MSK 5822-2.5KRHS                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.5 V         | MSK             | 51651     |
| 5962F0923604HZC                         | MSK 5822-2.8HRHD                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.8 V         | MSK             | 51651     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                               | Approved Source | CAGE Code |
| 5962F0923604KYC                         | MSK 5822-2.8KRHU                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.8 V              | MSK             | 51651     |
| 5962F0923604KYA                         | MSK 5822-2.8KRHU                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.8 V              | MSK             | 51651     |
| 5962F0923604KXC                         | MSK 5822-2.8KRHS                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.8 V              | MSK             | 51651     |
| 5962F0923604KXA                         | MSK 5822-2.8KRHS                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.8 V              | MSK             | 51651     |
| 5962F0923604KZC                         | MSK 5822-2.8KRHD                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.8 V              | MSK             | 51651     |
| 5962F0923604KZA                         | MSK 5822-2.8KRHD                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.8 V              | MSK             | 51651     |
| 5962F0923604HYC                         | MSK 5822-2.8HRHU                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.8 V              | MSK             | 51651     |
| 5962F0923604HYA                         | MSK 5822-2.8HRHU                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.8 V              | MSK             | 51651     |
| 5962F0923604HXA                         | MSK 5822-2.8HRHS                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.8 V              | MSK             | 51651     |
| 5962F0923604HZA                         | MSK 5822-2.8HRHD                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.8 V              | MSK             | 51651     |
| 5962F0923604HXC                         | MSK 5822-2.8HRHS                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 2.8 V              | MSK             | 51651     |
| 5962F0923605KYC                         | MSK 5822-3.3KRHU                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 3.3 V              | MSK             | 51651     |
| 5962F0923605HXC                         | MSK 5822-3.3HRHS                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 3.3 V              | MSK             | 51651     |
| 5962F0923605HYA                         | MSK 5822-3.3HRHU                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 3.3 V              | MSK             | 51651     |
| 5962F0923605HZC                         | MSK 5822-3.3HRHD                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 3.3 V              | MSK             | 51651     |
| 5962F0923605HZA                         | MSK 5822-3.3HRHD                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 3.3 V              | MSK             | 51651     |
| 5962F0923605HYC                         | MSK 5822-3.3HRHU                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 3.3 V              | MSK             | 51651     |
| 5962F0923605KXA                         | MSK 5822-3.3KRHS                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 3.3 V              | MSK             | 51651     |
| 5962F0923605KZC                         | MSK 5822-3.3KRHD                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 3.3 V              | MSK             | 51651     |
| 5962F0923605KYA                         | MSK 5822-3.3KRHU                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 3.3 V              | MSK             | 51651     |
| 5962F0923605KZA                         | MSK 5822-3.3KRHD                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 3.3 V              | MSK             | 51651     |
| 5962F0923605HXA                         | MSK 5822-3.3HRHS                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 3.3 V              | MSK             | 51651     |
| 5962F0923605KXC                         | MSK 5822-3.3KRHS                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 3.3 V              | MSK             | 51651     |
| 5962F0923606KZA                         | MSK 5822-5.0KRHD                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 5.0 V              | MSK             | 51651     |
| 5962F0923606HXC                         | MSK 5822-5.0HRHS                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 5.0 V              | MSK             | 51651     |
| 5962F0923606HZA                         | MSK 5822-5.0HRHD                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 5.0 V              | MSK             | 51651     |
| 5962F0923606KXC                         | MSK 5822-5.0KRHS                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 5.0 V              | MSK             | 51651     |
| 5962F0923606HZC                         | MSK 5822-5.0HRHD                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 5.0 V              | MSK             | 51651     |
| 5962F0923606HXA                         | MSK 5822-5.0HRHS                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 5.0 V              | MSK             | 51651     |
| 5962F0923606KYC                         | MSK 5822-5.0KRHU                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 5.0 V              | MSK             | 51651     |
| 5962F0923606KYA                         | MSK 5822-5.0KRHU                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 5.0 V              | MSK             | 51651     |
| 5962F0923606KXA                         | MSK 5822-5.0KRHS                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 5.0 V              | MSK             | 51651     |
| 5962F0923606KZC                         | MSK 5822-5.0KRHD                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 5.0 V              | MSK             | 51651     |
| 5962F0923606HYC                         | MSK 5822-5.0HRHU                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 5.0 V              | MSK             | 51651     |
| 5962F0923606HYA                         | MSK 5822-5.0HRHU                    | 3B         | VOLTAGE REGULATOR, POSITIVE, FIXED, 5.0 V              | MSK             | 51651     |
| 5962-0924101HXC                         | DVPL0505S/H                         | 0          | HYBRID, DC-DC CONVERTER, SINGLE CHANNEL                | VPT             | 0ZBZ6     |
| 5962-0924101KXA                         | DVPL0505S/K-E                       | 0          | HYBRID, DC-DC CONVERTER, SINGLE CHANNEL                | VPT             | 0ZBZ6     |
| 5962-0924101KXC                         | DVPL0505S/K                         | 0          | HYBRID, DC-DC CONVERTER, SINGLE CHANNEL                | VPT             | 0ZBZ6     |
| 5962-0924101HXA                         | DVPL0505S/H-E                       | 0          | HYBRID, DC-DC CONVERTER, SINGLE CHANNEL                | VPT             | 0ZBZ6     |
| 5962-0924201KXC                         | DVCH283R3S/K                        | 0          | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, +3.3 V OUTPUT | VPT             | 0ZBZ6     |
| 5962-0924201HXC                         | DVCH283R3S/H                        | 0          | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, +3.3 V OUTPUT | VPT             | 0ZBZ6     |
| 5962-0924202KXC                         | DVCH2805S/K                         | 0          | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, +5.0 V OUTPUT | VPT             | 0ZBZ6     |
| 5962-0924202HXC                         | DVCH2805S/H                         | 0          | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, +5.0 V OUTPUT | VPT             | 0ZBZ6     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                               | Approved Source | CAGE Code |
| 5962-0924203HXC                         | DVCH285R2S/H                        | 0          | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, +5.2 V OUTPUT | VPT             | 0ZBZ6     |
| 5962-0924203KXC                         | DVCH285R2S/K                        | 0          | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, +5.2 V OUTPUT | VPT             | 0ZBZ6     |
| 5962-0924204KXC                         | DVCH2812S/K                         | 0          | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, +12 V OUTPUT  | VPT             | 0ZBZ6     |
| 5962-0924204HXC                         | DVCH2812S/H                         | 0          | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, +12 V OUTPUT  | VPT             | 0ZBZ6     |
| 5962-0924205KXC                         | DVCH2815S/K                         | 0          | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, +15 V OUTPUT  | VPT             | 0ZBZ6     |
| 5962-0924205HXC                         | DVCH2815S/H                         | 0          | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, +15 V OUTPUT  | VPT             | 0ZBZ6     |
| 5962-0924301HXC                         | DVCH2805D/H                         | 0          | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, +/-5.0 V OUTPUT | VPT             | 0ZBZ6     |
| 5962-0924301KXC                         | DVCH2805D/K                         | 0          | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, +/-5.0 V OUTPUT | VPT             | 0ZBZ6     |
| 5962-0924302KXC                         | DVCH2812D/K                         | 0          | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, +/-12 V OUTPUT  | VPT             | 0ZBZ6     |
| 5962-0924302HXC                         | DVCH2812D/H                         | 0          | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, +/-12 V OUTPUT  | VPT             | 0ZBZ6     |
| 5962-0924303HXC                         | DVCH2815D/H                         | 0          | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, +/-15 V OUTPUT  | VPT             | 0ZBZ6     |
| 5962-0924303KXC                         | DVCH2815D/K                         | 0          | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, +/-15 V OUTPUT  | VPT             | 0ZBZ6     |
| 10015-01HZA                             | FMCE-0328-F/883                     | 1          | HYBRID, EMI FILTER, 3 AMP                              | Crane           | 50821     |
| 10015-01HZC                             | FMCE-0328-F/883                     | 1          | HYBRID, EMI FILTER, 3 AMP                              | Crane           | 50821     |
| 10015-01HXA                             | FMCE-0328/883                       | 1          | HYBRID, EMI FILTER, 3 AMP                              | Crane           | 50821     |
| 10015-01HXC                             | FMCE-0328/883                       | 1          | HYBRID, EMI FILTER, 3 AMP                              | Crane           | 50821     |
| 10016-01HZC                             | FMCE-0528-TR-F/883                  | 1          | HYBRID, EMI FILTER, 5 AMP                              | Crane           | 50821     |
| 10016-02HXA                             | FMCE-0528/883                       | 1          | HYBRID, EMI FILTER, 5 AMP, TRANSORBLESS                | Crane           | 50821     |
| 10016-02HXC                             | FMCE-0528/883                       | 1          | HYBRID, EMI FILTER, 5 AMP, TRANSORBLESS                | Crane           | 50821     |
| 10016-02HZA                             | FMCE-0528-F/883                     | 1          | HYBRID, EMI FILTER, 5 AMP, TRANSORBLESS                | Crane           | 50821     |
| 10016-02HZC                             | FMCE-0528-F/883                     | 1          | HYBRID, EMI FILTER, 5 AMP, TRANSORBLESS                | Crane           | 50821     |
| 10016-01HXA                             | FMCE-0528-TR/883                    | 1          | HYBRID, EMI FILTER, 5 AMP                              | Crane           | 50821     |
| 10016-01HXC                             | FMCE-0528-TR/883                    | 1          | HYBRID, EMI FILTER, 5 AMP                              | Crane           | 50821     |
| 10016-01HZA                             | FMCE-0528-TR-F/883                  | 1          | HYBRID, EMI FILTER, 5 AMP                              | Crane           | 50821     |
| 10017-01HZC                             | FMCE-0828-F/883                     | 1          | HYBRID, EMI FILTER, 8 AMP                              | Crane           | 50821     |
| 10017-01HZA                             | FMCE-0828-F/883                     | 1          | HYBRID, EMI FILTER, 8 AMP                              | Crane           | 50821     |
| 10017-01HXA                             | FMCE-0828/883                       | 1          | HYBRID, EMI FILTER, 8 AMP                              | Crane           | 50821     |
| 10017-01HXC                             | FMCE-0828/883                       | 1          | HYBRID, EMI FILTER, 8 AMP                              | Crane           | 50821     |
| 10018-01HTC                             | FMCE-1528-W/883                     | 1          | HYBRID, EMI FILTER, 15 AMP                             | Crane           | 50821     |
| 10018-01HZA                             | FMCE-1528-Z/883                     | 1          | HYBRID, EMI FILTER, 15 AMP                             | Crane           | 50821     |
| 10018-01HYC                             | FMCE-1528-Y/883                     | 1          | HYBRID, EMI FILTER, 15 AMP                             | Crane           | 50821     |
| 10018-01HYA                             | FMCE-1528-Y/883                     | 1          | HYBRID, EMI FILTER, 15 AMP                             | Crane           | 50821     |
| 10018-01HZC                             | FMCE-1528-Z/883                     | 1          | HYBRID, EMI FILTER, 15 AMP                             | Crane           | 50821     |
| 10018-01HUC                             | FMCE-1528-V/883                     | 1          | HYBRID, EMI FILTER, 15 AMP                             | Crane           | 50821     |
| 10018-01HUA                             | FMCE-1528-V/883                     | 1          | HYBRID, EMI FILTER, 15 AMP                             | Crane           | 50821     |
| 10018-01HXC                             | FMCE-1528/883                       | 1          | HYBRID, EMI FILTER, 15 AMP                             | Crane           | 50821     |
| 10018-01HXA                             | FMCE-1528/883                       | 1          | HYBRID, EMI FILTER, 15 AMP                             | Crane           | 50821     |
| 10018-01HTA                             | FMCE-1528-W/883                     | 1          | HYBRID, EMI FILTER, 15 AMP                             | Crane           | 50821     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |   |                 |           |
|---|-------------------------------------|------------|---|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description  | Approved Source | CAGE Code |
| 5962-1021201KXC                         | MUX8507-201-1S                      | 1B         | HYBRID, ANALOG MULTIPLEXER, 64 CHANNEL                                | Aeroflex        | 88379     |
| 5962-1021202KXC                         | MUX8509-201-1S                      | 1B         | HYBRID, ANALOG MULTIPLEXER, 64 CHANNEL                                | Aeroflex        | 88379     |
| 5962-1021601KXA                         | M3G2815D/CK                         | 1B         | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, 15 V                           | IR Santa Clara  | 52467     |
| 5962-1021601KXC                         | M3G2815D/CK                         | 1B         | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, 15 V                           | IR Santa Clara  | 52467     |
| 5962-1021701KXC                         | GH2803R3S/CK                        | 1B         | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 3.3 VOLT                     | IR Santa Clara  | 52467     |
| 5962-1021701KXA                         | GH2803R3S/CK                        | 1B         | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 3.3 VOLT                     | IR Santa Clara  | 52467     |
| 5962-1021801KXA                         | GHP2815S/CK                         | 1B         | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 15 VOLT                      | IR Santa Clara  | 52467     |
| 5962-1021801KXC                         | GHP2815S/CK                         | 1B         | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 15 VOLT                      | IR Santa Clara  | 52467     |
| 5962-1021901KXA                         | GH2805S/CK                          | 1B         | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 5 VOLT                       | IR Santa Clara  | 52467     |
| 5962-1021901KXC                         | GH2805S/CK                          | 1B         | HYBRID, DC/DC CONVERTER, SINGLE CHANNEL, 5 VOLT                       | IR Santa Clara  | 52467     |
| 5962-1022401KXA                         | LS2805D/CKA                         | 3A         | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, 5 VOLT                         | IR Santa Clara  | 52467     |
| 5962-1022401KXC                         | LS2805D/CKC                         | 3A         | HYBRID, DC/DC CONVERTER, DUAL CHANNEL, 5 VOLT                         | IR Santa Clara  | 52467     |
| 5962-1023501KXA                         | 1RUH3301A1AK                        | 2          | HYBRID, VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE, 3.3 V INPUT          | IR Leominster   | 69210     |
| 5962-1023501KYA                         | 1RUH3301A1AKC                       | 2          | HYBRID, VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE, 3.3 V INPUT          | IR Leominster   | 69210     |
| 5962-1023502KYA                         | 1RUH3301A2AKC                       | 2          | HYBRID, VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE, 5.0 V INPUT          | IR Leominster   | 69210     |
| 5962-1023502KXA                         | 1RUH3301A2AK                        | 2          | HYBRID, VOLTAGE REGULATOR, POSITIVE, ADJUSTABLE, 5.0 V INPUT          | IR Leominster   | 69210     |
| 5962-1023503KXA                         | 1RUH330118AK                        | 2          | HYBRID, VOLTAGE REGULATOR, POSITIVE, FIXED, 3.3 V INPUT, 1.8 V OUTPUT | IR Leominster   | 69210     |
| 5962-1023503KYA                         | 1RUH330118AKC                       | 2          | HYBRID, VOLTAGE REGULATOR, POSITIVE, FIXED, 3.3 V INPUT, 1.8 V OUTPUT | IR Leominster   | 69210     |
| 5962-1023504KXA                         | 1RUH330125AK                        | 2          | HYBRID, VOLTAGE REGULATOR, POSITIVE, FIXED, 3.3 V INPUT, 2.5 V OUTPUT | IR Leominster   | 69210     |
| 5962-1023504KYA                         | 1RUH330125AKC                       | 2          | HYBRID, VOLTAGE REGULATOR, POSITIVE, FIXED, 3.3 V INPUT, 2.5 V OUTPUT | IR Leominster   | 69210     |
| 5962-1023505KYA                         | 1RUH330133AKC                       | 2          | HYBRID, VOLTAGE REGULATOR, POSITIVE, FIXED, 5.0 V INPUT, 3.3 V OUTPUT | IR Leominster   | 69210     |
| 5962-1023505KXA                         | 1RUH330133AK                        | 2          | HYBRID, VOLTAGE REGULATOR, POSITIVE, FIXED, 5.0 V INPUT, 3.3 V OUTPUT | IR Leominster   | 69210     |
| 11016-01HXA                             | DVMSA28/H-E                         | 1          | FILTER, EMI, 28 V, 0.8 A  | VPT             | 0ZBZ6     |
| 11016-01KXC                             | DVMSA28/K                           | 1          | FILTER, EMI, 28 V, 0.8 A  | VPT             | 0ZBZ6     |
| 11016-01KXA                             | DVMSA28/K-E                         | 1          | FILTER, EMI, 28 V, 0.8 A  | VPT             | 0ZBZ6     |
| 11016-01HXC                             | DVMSA28/H                           | 1          | FILTER, EMI, 28 V, 0.8 A  | VPT             | 0ZBZ6     |
| 7801301XA                               | SEN-0002H                           | 1          | CURRENT AMPLIFIER   | Sensitron       | 13409     |
| 7801301XA                               | FLH0002H/883                        | 1          | CURRENT AMPLIFIER   | Spectrum (Marl) | 27851     |
| 7801301XC                               | SEN-0002H                           | 1          | CURRENT AMPLIFIER   | Sensitron       | 13409     |
| 5962R7801301HXC                         | MSK 0002HRH                         | 1C         | CURRENT AMPLIFIER   | MSK             | 51651     |
| 5962R7801301KXC                         | MSK 0002KRH                         | 1C         | CURRENT AMPLIFIER   | MSK             | 51651     |
| 7801301XA                               | MSK 0002H                           | 1C         | CURRENT AMPLIFIER   | MSK             | 51651     |
| 7801301XC                               | MSK 0002H                           | 1C         | CURRENT AMPLIFIER   | MSK             | 51651     |
| 5962R7801301HXA                         | MSK 0002HRH                         | 1C         | CURRENT AMPLIFIER   | MSK             | 51651     |
| 5962R7801301KXA                         | MSK 0002KRH                         | 1C         | CURRENT AMPLIFIER   | MSK             | 51651     |
| 8001301ZA                               | FLH0032G/883                        | 1          | OP AMP  | Spectrum (Marl) | 27851     |
| 8001301ZC                               | MSK0032B                            | 1          | OP AMP  | MSK             | 51651     |
| 8001301ZA                               | MSK0032B                            | 1          | OP AMP  | MSK             | 51651     |
| 8001302ZC                               | MSK0032B                            | 1          | OP AMP  | MSK             | 51651     |
| 8001302ZA                               | MSK0032B                            | 1          | OP AMP  | MSK             | 51651     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description   | Approved Source | CAGE Code |
| 8001401ZA                               | FLH0033G/883                        | 1          | VOLT. FOLLOWER/BUFFER  | Spectrum (Marl) | 27851     |
| 8001401ZC                               | MSK0033B                            | 1          | VOLT. FOLLOWER/BUFFER  | MSK             | 51651     |
| 8001401ZA                               | MSK0033B                            | 1          | VOLT. FOLLOWER/BUFFER  | MSK             | 51651     |
| 8102801XA                               | 66072-001/883B                      | 1          | OPTOCOUPLER, DUAL  | Micropac        | 31757     |
| 8102801XC                               | 66072-001/883B                      | 1          | OPTOCOUPLER, DUAL  | Micropac        | 31757     |
| 8102801EC                               | 66013-001                           | 1          | OPTOCOUPLER, DUAL  | Micropac        | 31757     |
| 8102801EA                               | 66013-001                           | 1          | OPTOCOUPLER, DUAL  | Micropac        | 31757     |
| 8102801EC                               | 6N134/883B                          | 3          | OPTOCOUPLER, DUAL  | Avago           | 50434     |
| 8102801UA                               | 6N134/883B#100                      | 3          | OPTOCOUPLER, DUAL  | Avago           | 50434     |
| 8102801UC                               | 6N134/883B#100                      | 3          | OPTOCOUPLER, DUAL  | Avago           | 50434     |
| 8102801EA                               | 6N134/883B#200                      | 3          | OPTOCOUPLER, DUAL  | Avago           | 50434     |
| 8102801TA                               | 6N134/883B#300                      | 3          | OPTOCOUPLER, DUAL  | Avago           | 50434     |
| 8102802YA                               | HCPL-5631#100                       | 3          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS   | Avago           | 50434     |
| 8102802PC                               | 66056-103                           | 1          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS   | Micropac        | 31757     |
| 8102802PA                               | 66056-103                           | 1          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS   | Micropac        | 31757     |
| 8102802PA                               | HCPL-5631#200                       | 3          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS   | Avago           | 50434     |
| 8102802ZA                               | HCPL-5631#300                       | 3          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS   | Avago           | 50434     |
| 8102802PC                               | HCPL-5631                           | 3          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS   | Avago           | 50434     |
| 8102802YC                               | HCPL-5631#100                       | 3          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS   | Avago           | 50434     |
| 81028032A                               | HCPL-6631                           | 3          | OPTOCOUPLER, DUAL-CHANNEL, WITH SEPARATE SUPPLY VOLTAGE AND GROUND CONNECTIONS | Avago           | 50434     |
| 81028032A                               | 66123-001                           | 1          | OPTOCOUPLER, DUAL-CHANNEL, WITH SEPARATE SUPPLY VOLTAGE AND GROUND CONNECTIONS | Micropac        | 31757     |
| 81028032C                               | 66123-001                           | 1          | OPTOCOUPLER, DUAL-CHANNEL, WITH SEPARATE SUPPLY VOLTAGE AND GROUND CONNECTIONS | Micropac        | 31757     |
| 8102804FC                               | HCPL-6651                           | 3          | OPTOCOUPLER, QUAD-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS   | Avago           | 50434     |
| 8102805PA                               | HCPL-5651#200                       | 3          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS   | Avago           | 50434     |
| 8102805PC                               | HCPL-5651                           | 3          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS   | Avago           | 50434     |
| 8302401YC                               | 6N140A/883B#100                     | 3 (4)      | OPTOCOUPLER, 4-CHANNEL   | Avago           | 50434     |
| 8302401FC                               | HCPL-6751                           | 3 (4)      | OPTOCOUPLER, 4-CHANNEL   | Avago           | 50434     |
| 8302401YA                               | 6N140A/883B#100                     | 3 (4)      | OPTOCOUPLER, 4-CHANNEL   | Avago           | 50434     |
| 8302401EA                               | 6N140A/883B#200                     | 3 (4)      | OPTOCOUPLER, 4-CHANNEL   | Avago           | 50434     |
| 8302401EA                               | 6N140A                              | 1          | OPTOCOUPLER, 4-CHANNEL   | Micropac        | 31757     |
| 8302401EC                               | 6N140A                              | 1          | OPTOCOUPLER, 4-CHANNEL   | Micropac        | 31757     |
| 8302401XA                               | 6N140A                              | 1          | OPTOCOUPLER, 4-CHANNEL   | Micropac        | 31757     |
| 8302401XA                               | 6N140A/883B#300                     | 3 (4)      | OPTOCOUPLER, 4-CHANNEL   | Avago           | 50434     |
| 8302401ZA                               | 6N140A/883B#600                     | 3 (4)      | OPTOCOUPLER, 4-CHANNEL   | Avago           | 50434     |
| 8302401ZC                               | 6N140A/883B#600                     | 3 (4)      | OPTOCOUPLER, 4-CHANNEL   | Avago           | 50434     |
| 8302401EC                               | 6N140A/883B                         | 3 (4)      | OPTOCOUPLER, 4-CHANNEL   | Avago           | 50434     |
| 85030013A                               | HC2700SLCC/883B                     | 1          | VOLT. REFERENCE, +10.000V, PRECISION   | Spectrum (Marl) | 27851     |
| 8503001YA                               | HC2700SD/883B                       | 1          | VOLT. REFERENCE, +10.000V, PRECISION   | Spectrum (Marl) | 27851     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |   |                 |           |
|---|-------------------------------------|------------|---|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description  | Approved Source | CAGE Code |
| 8503002YA                               | AD2700UD/883B                       | 1          | VOLT. REFERENCE, +10.000V, PRECISION  | Analog          | 34031     |
| 85030023A                               | HC2700ULCC/883B                     | 1          | VOLT. REFERENCE, +10.000V, PRECISION  | Spectrum (Marl) | 27851     |
| 8503002YA                               | HC2700UD/883B                       | 1          | VOLT. REFERENCE, +10.000V, PRECISION  | Spectrum (Marl) | 27851     |
| 8503003YA                               | HC2702SD/883B                       | 1          | VOLT. REFERENCE, ±10.000V, PRECISION  | Spectrum (Marl) | 27851     |
| 85030033A                               | HC2702SLCC/883B                     | 1          | VOLT. REFERENCE, ±10.000V, PRECISION  | Spectrum (Marl) | 27851     |
| 8503003YA                               | AD2702SD/883B                       | 1          | VOLT. REFERENCE, ±10.000V, PRECISION  | Analog          | 34031     |
| 8503004YA                               | HC2702UD/883B                       | 1          | VOLT. REFERENCE, ±10.000V, PRECISION  | Spectrum (Marl) | 27851     |
| 85030043A                               | HC2702ULCC/883B                     | 1          | VOLT. REFERENCE, ±10.000V, PRECISION  | Spectrum (Marl) | 27851     |
| 8503004YA                               | AD2702UD/883B                       | 1          | VOLT. REFERENCE, ±10.000V, PRECISION  | Analog          | 34031     |
| 8503005YA                               | HC2701SD/883B                       | 1          | VOLT. REFERENCE, -10.000V, PRECISION  | Spectrum (Marl) | 27851     |
| 85030053A                               | HC2701SLCC/883B                     | 1          | VOLT. REFERENCE, -10.000V, PRECISION  | Spectrum (Marl) | 27851     |
| 85030063A                               | HC2701ULCC/883B                     | 1          | VOLT. REFERENCE, -10.000V, PRECISION  | Spectrum (Marl) | 27851     |
| 8503006YA                               | HC2701UD/883B                       | 1          | VOLT. REFERENCE, -10.000V, PRECISION  | Spectrum (Marl) | 27851     |
| 8508701ZA                               | FLH0041G/883                        | 1          | OP AMP, POWER   | Spectrum (Marl) | 27851     |
| 8508701ZA                               | MSK0041B                            | 1          | OP AMP, POWER   | MSK             | 51651     |
| 8508701ZC                               | MSK0041B                            | 1          | OP AMP, POWER   | MSK             | 51651     |
| 8508801YA                               | FLH0021K/883                        | 1          | OP AMP, POWER   | Spectrum (Marl) | 27851     |
| 8508801YC                               | MSK0021B                            | 1          | OP AMP, POWER   | MSK             | 51651     |
| 8508801YA                               | MSK0021B                            | 1          | OP AMP, POWER   | MSK             | 51651     |
| 8508901YA                               | FLH0101AK/883                       | 1          | OP AMP, POWER   | Spectrum (Marl) | 27851     |
| 8508902YA                               | FLH0101K/883                        | 1          | OP AMP, POWER   | Spectrum (Marl) | 27851     |
| 5962-8604902ZC                          | BUS-63105II-133                     | 1          | DRIVER-RECEIVER, SINGLE CHANNEL, (INTERFACES WITH MANCHESTER ENCODER-DECODER) | DDC             | 19645     |
| 5962-8604902ZA                          | BUS-63105II-140                     | 1          | DRIVER-RECEIVER, SINGLE CHANNEL, (INTERFACES WITH MANCHESTER ENCODER-DECODER) | DDC             | 19645     |
| 5962-8604902ZA                          | BUS-63105II-634                     | 1          | DRIVER-RECEIVER, SINGLE CHANNEL, (INTERFACES WITH MANCHESTER ENCODER-DECODER) | DDC             | 19645     |
| 5962-8604902ZA                          | BUS-63105II-150                     | 1          | DRIVER-RECEIVER, SINGLE CHANNEL, (INTERFACES WITH MANCHESTER ENCODER-DECODER) | DDC             | 19645     |
| 5962-8604902ZC                          | BUS-63105II-110                     | 1          | DRIVER-RECEIVER, SINGLE CHANNEL, (INTERFACES WITH MANCHESTER ENCODER-DECODER) | DDC             | 19645     |
| 5962-8604902ZC                          | BUS-63105II-130                     | 1          | DRIVER-RECEIVER, SINGLE CHANNEL, (INTERFACES WITH MANCHESTER ENCODER-DECODER) | DDC             | 19645     |
| 5962-8604903YA                          | ARX2402                             | 1          | DRIVER-RECEIVER, SINGLE CHANNEL (INTERFACES WITH MANCHESTER ENCODER-DECODER)  | Aeroflex        | 88379     |
| 5962-8604903YC                          | ARX2402                             | 1          | DRIVER-RECEIVER, SINGLE CHANNEL (INTERFACES WITH MANCHESTER ENCODER-DECODER)  | Aeroflex        | 88379     |
| 5962-8604904UC                          | ARX3402                             | 1          | DRIVER-RECEIVER, SINGLE CHANNEL (INTERFACES WITH MANCHESTER ENCODER-DECODER)  | Aeroflex        | 88379     |
| 5962-8604904UA                          | ARX3402                             | 1          | DRIVER-RECEIVER, SINGLE CHANNEL (INTERFACES WITH MANCHESTER ENCODER-DECODER)  | Aeroflex        | 88379     |
| 5962-8604907XC                          | FC155361                            | 1          | DRIVER-RECEIVER, SINGLE CHANNEL (INTERFACES WITH MANCHESTER ENCODER-DECODER)  | C-MAC           | U4388     |
| 5962-8604907XA                          | FC155361                            | 1          | DRIVER-RECEIVER, SINGLE CHANNEL (INTERFACES WITH MANCHESTER ENCODER-DECODER)  | C-MAC           | U4388     |
| 5962-8604908XC                          | FC155362                            | 1          | DRIVER-RECEIVER, SINGLE CHANNEL   | C-MAC           | U4388     |
| 5962-8604908XA                          | FC155362                            | 1          | DRIVER-RECEIVER, SINGLE CHANNEL   | C-MAC           | U4388     |
| 5962-8604909UC                          | ACT4402-001-1                       | 1C         | DRIVER-RECEIVER, SINGLE CHANNEL   | Aeroflex        | 88379     |
| 5962-8604909UA                          | ACT4402-001-2                       | 1C         | DRIVER-RECEIVER, SINGLE CHANNEL   | Aeroflex        | 88379     |
| 5962-8753502XC                          | ARX2452-001-1                       | 1          | REMOTE TERMINAL UNIT, DUAL REDUNDANT  | Aeroflex        | 88379     |



Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description   | Approved Source | CAGE Code |
| 5962-8753502XA                          | ARX2452-001-2                       | 1          | REMOTE TERMINAL UNIT, DUAL REDUNDANT   | Aeroflex        | 88379     |
| 5962-8753502YC                          | ARX2452-202-1                       | 1          | REMOTE TERMINAL UNIT, DUAL REDUNDANT   | Aeroflex        | 88379     |
| 5962-8753502YA                          | ARX2452-202-2                       | 1          | REMOTE TERMINAL UNIT, DUAL REDUNDANT   | Aeroflex        | 88379     |
| 5962-8753503XC                          | CT-2512-001-1                       | 1          | REMOTE TERMINAL UNIT, DUAL REDUNDANT   | Aeroflex        | 88379     |
| 5962-8753503XA                          | CT-2512-001-2                       | 1          | REMOTE TERMINAL UNIT, DUAL REDUNDANT   | Aeroflex        | 88379     |
| 5962-8753503ZC                          | CT-2512-201-1                       | 1          | REMOTE TERMINAL UNIT, DUAL REDUNDANT   | Aeroflex        | 88379     |
| 5962-8753503ZA                          | CT-2512-201-2                       | 1          | REMOTE TERMINAL UNIT, DUAL REDUNDANT   | Aeroflex        | 88379     |
| 5962-8757902TC                          | BUS-63123-600                       | 1          | BUS TRANSCEIVER, DUAL CHANNEL, LOW-POWER                                       | DDC             | 19645     |
| 5962-8757902XA                          | BUS-63125II                         | 1          | BUS TRANSCEIVER, DUAL CHANNEL, LOW-POWER                                       | DDC             | 19645     |
| 5962-8757902YA                          | BUS-63126II                         | 1          | BUS TRANSCEIVER, DUAL CHANNEL, LOW-POWER                                       | DDC             | 19645     |
| 5962-8757902YC                          | BUS-63126II                         | 1          | BUS TRANSCEIVER, DUAL CHANNEL, LOW-POWER                                       | DDC             | 19645     |
| 5962-8757902XC                          | BUS-63125II                         | 1          | BUS TRANSCEIVER, DUAL CHANNEL, LOW-POWER                                       | DDC             | 19645     |
| 5962-8757906XA                          | FC1553623                           | 1          | BUS TRANSCEIVER, DUAL CHANNEL, LOW-POWER                                       | C-MAC           | U4388     |
| 5962-8757906YA                          | FC1553623FP                         | 1          | BUS TRANSCEIVER, DUAL CHANNEL, LOW-POWER                                       | C-MAC           | U4388     |
| 5962-8757906YC                          | FC1553623FP                         | 1          | BUS TRANSCEIVER, DUAL CHANNEL, LOW-POWER                                       | C-MAC           | U4388     |
| 5962-8757906XC                          | FC1553623                           | 1          | BUS TRANSCEIVER, DUAL CHANNEL, LOW-POWER                                       | C-MAC           | U4388     |
| 5962-8757909YC                          | FC1553621FP                         | 1          | DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER                                       | C-MAC           | U4388     |
| 5962-8757909XA                          | FC1553621                           | 1          | DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER                                       | C-MAC           | U4388     |
| 5962-8757909XC                          | FC1553621                           | 1          | DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER                                       | C-MAC           | U4388     |
| 5962-8757909YA                          | FC1553621FP                         | 1          | DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER                                       | C-MAC           | U4388     |
| 5962-8757910YC                          | ACT4487-DF                          | 1          | DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER                                       | Aeroflex        | 88379     |
| 5962-8757910YA                          | ACT4487-DF                          | 1          | DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER                                       | Aeroflex        | 88379     |
| 5962-8757910XC                          | ACT4487-D                           | 1          | DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER                                       | Aeroflex        | 88379     |
| 5962-8757910XA                          | ACT4487-D                           | 1          | DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER                                       | Aeroflex        | 88379     |
| 5962-8761701XC                          | 11563-DESC                          | 1          | DRIVER, HIGH VOLTAGE, 1.5A   | C-MAC           | U4388     |
| 5962-8761701XA                          | 11563-DESC                          | 1          | DRIVER, HIGH VOLTAGE, 1.5A   | C-MAC           | U4388     |
| 5962-8761701YA                          | 11105-DESC                          | 1          | DRIVER, HIGH VOLTAGE, 1.5A   | C-MAC           | U4388     |
| 5962-8761701YC                          | 11105-DESC                          | 1          | DRIVER, HIGH VOLTAGE, 1.5A   | C-MAC           | U4388     |
| 5962-8761701XC                          | 51992                               | 1          | DRIVER, HIGH VOLTAGE, 1.5A   | Micropac        | 31757     |
| 5962-8761701XA                          | 51992                               | 1          | DRIVER, HIGH VOLTAGE, 1.5A   | Micropac        | 31757     |
| 5962-8761701XA                          | MSK 0006H                           | 1          | DRIVER, HIGH VOLTAGE, 1.5A   | MSK             | 51651     |
| 5962-8761701XC                          | MSK 0006H                           | 1          | DRIVER, HIGH VOLTAGE, 1.5A   | MSK             | 51651     |
| 5962-8761702XC                          | MSK 0008H                           | 1          | DRIVER, HIGH VOLTAGE, HIGH CURRENT, 3.0A                                       | MSK             | 51651     |
| 5962-8761702XA                          | MSK 0008H                           | 1          | DRIVER, HIGH VOLTAGE, HIGH CURRENT, 3.0A                                       | MSK             | 51651     |
| 5962-8762001YA                          | PA51M-1/883                         | 1          | OP AMP, HIGH-POWER   | Cirrus          | 60024     |
| 5962-8762001XA                          | 42106                               | 1          | OP AMP, HIGH-POWER   | Micropac        | 31757     |
| 5962-8762001XC                          | 42106                               | 1          | OP AMP, HIGH-POWER   | Micropac        | 31757     |
| 5962-8762002YA                          | PA51M/883                           | 1          | OP AMP, HIGH-POWER   | Cirrus          | 60024     |
| 5962-8762002XA                          | 42106-1                             | 1          | OP AMP, HIGH-POWER   | Micropac        | 31757     |
| 5962-8762002XC                          | 42106-1                             | 1          | OP AMP, HIGH-POWER   | Micropac        | 31757     |
| 5962-8767901EC                          | 66024-001A                          | 1          | OPTOCOUPLER, DUAL-CHANNEL, WITH SEPERATE SUPPLY VOLTAGE AND GROUND CONNECTIONS | Micropac        | 31757     |
| 5962-8767901EC                          | 4N55/883B                           | 1          | OPTOCOUPLER, DUAL-CHANNEL, WITH SEPERATE SUPPLY VOLTAGE AND GROUND CONNECTIONS | Avago           | 50434     |
| 5962-8767901UA                          | 4N55/883B#100                       | 1          | OPTOCOUPLER, DUAL-CHANNEL, WITH SEPERATE SUPPLY VOLTAGE AND GROUND CONNECTIONS | Avago           | 50434     |
| 5962-8767901TC                          | 66024-001J                          | 1          | OPTOCOUPLER, DUAL-CHANNEL, WITH SEPERATE SUPPLY VOLTAGE AND GROUND CONNECTIONS | Micropac        | 31757     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description   | Approved Source | CAGE Code |
| 5962-8767901EA                          | 66024-001A                          | 1          | OPTOCOUPLER, DUAL-CHANNEL, WITH SEPERATE SUPPLY VOLTAGE AND GROUND CONNECTIONS | Micropac        | 31757     |
| 5962-8767901TA                          | 66024-001J                          | 1          | OPTOCOUPLER, DUAL-CHANNEL, WITH SEPERATE SUPPLY VOLTAGE AND GROUND CONNECTIONS | Micropac        | 31757     |
| 5962-8767901UC                          | 4N55/883B#100                       | 1          | OPTOCOUPLER, DUAL-CHANNEL, WITH SEPERATE SUPPLY VOLTAGE AND GROUND CONNECTIONS | Avago           | 50434     |
| 5962-8767901EA                          | 4N55/883B#200                       | 1          | OPTOCOUPLER, DUAL-CHANNEL, WITH SEPERATE SUPPLY VOLTAGE AND GROUND CONNECTIONS | Avago           | 50434     |
| 5962-8767901TA                          | 4N55/883B#300                       | 1          | OPTOCOUPLER, DUAL-CHANNEL, WITH SEPERATE SUPPLY VOLTAGE AND GROUND CONNECTIONS | Avago           | 50434     |
| 5962-8767902PA                          | 66126-103                           | 1          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS   | Micropac        | 31757     |
| 5962-8767902XA                          | HCPL-5531#300                       | 3          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS   | Avago           | 50434     |
| 5962-8767902PA                          | HCPL-5531#200                       | 3          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS   | Avago           | 50434     |
| 5962-8767902YC                          | HCPL-5531#100                       | 3          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS   | Avago           | 50434     |
| 5962-8767902YA                          | HCPL-5531#100                       | 3          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS   | Avago           | 50434     |
| 5962-8767902PC                          | HCPL-5531                           | 3          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS   | Avago           | 50434     |
| 5962-8767902XC                          | 66126-103J                          | 1          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS   | Micropac        | 31757     |
| 5962-8767902XA                          | 66126-103J                          | 1          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS   | Micropac        | 31757     |
| 5962-8767902PC                          | 66126-103                           | 1          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS   | Micropac        | 31757     |
| 5962-87679032C                          | 66125-001                           | 1          | OPTOCOUPLER, DUAL-CHANNEL, WITH SEPERATE SUPPLY VOLTAGE CONNECTIONS            | Micropac        | 31757     |
| 5962-87679032A                          | 66125-001                           | 1          | OPTOCOUPLER, DUAL-CHANNEL, WITH SEPERATE SUPPLY VOLTAGE CONNECTIONS            | Micropac        | 31757     |
| 5962-87679032A                          | HCPL-6531                           | 1          | OPTOCOUPLER, DUAL-CHANNEL, WITH SEPERATE SUPPLY VOLTAGE CONNECTIONS            | Avago           | 50434     |
| 5962-8767904FC                          | HCPL-6551                           | 3          | OPTOCOUPLER, QUAD-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS   | Avago           | 50434     |
| 5962-8767905KEC                         | 66024-300A                          | 1          | OPTOCOUPLER, DUAL-CHANNEL, WITH SEPERATE SUPPLY VOLTAGE AND GROUND CONNECTIONS | Micropac        | 31757     |
| 5962-8767905KEA                         | 66024-300A                          | 1          | OPTOCOUPLER, DUAL-CHANNEL, WITH SEPERATE SUPPLY VOLTAGE AND GROUND CONNECTIONS | Micropac        | 31757     |
| 5962-8767905KTC                         | 66024-300T                          | 1          | OPTOCOUPLER, DUAL-CHANNEL, WITH SEPERATE SUPPLY VOLTAGE AND GROUND CONNECTIONS | Micropac        | 31757     |
| 5962-8767905KTA                         | 66024-300T                          | 1          | OPTOCOUPLER, DUAL-CHANNEL, WITH SEPERATE SUPPLY VOLTAGE AND GROUND CONNECTIONS | Micropac        | 31757     |
| 5962-8767905KTA                         | HCPL-275K#300                       | 3          | OPTOCOUPLER, DUAL-CHANNEL, WITH SEPERATE SUPPLY VOLTAGE AND GROUND CONNECTIONS | Avago           | 50434     |
| 5962-8767905KUC                         | HCPL-275K#100                       | 3          | OPTOCOUPLER, DUAL-CHANNEL, WITH SEPERATE SUPPLY VOLTAGE AND GROUND CONNECTIONS | Avago           | 50434     |
| 5962-8767905KEA                         | HCPL-275K#200                       | 3          | OPTOCOUPLER, DUAL-CHANNEL, WITH SEPERATE SUPPLY VOLTAGE AND GROUND CONNECTIONS | Avago           | 50434     |
| 5962-8767905KEC                         | HCPL-275K                           | 3          | OPTOCOUPLER, DUAL-CHANNEL, WITH SEPERATE SUPPLY VOLTAGE AND GROUND CONNECTIONS | Avago           | 50434     |
| 5962-8767905KUA                         | HCPL-275K#100                       | 3          | OPTOCOUPLER, DUAL-CHANNEL, WITH SEPERATE SUPPLY VOLTAGE AND GROUND CONNECTIONS | Avago           | 50434     |

**Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing**

**PRODUCT ELIGIBILITY:** The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

**DLA Land and Maritime - VQ**

**Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH**

**Approved Source Master Product Listing**

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description   | Approved Source | CAGE Code |
| 5962-8767906KYA                         | HCPL-553K#100                       | 3          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS | Avago           | 50434     |
| 5962-8767906KXC                         | 66126-300J                          | 1          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS | Micropac        | 31757     |
| 5962-8767906KYC                         | HCPL-553K#100                       | 3          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS | Avago           | 50434     |
| 5962-8767906KPA                         | HCPL-553K#200                       | 3          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS | Avago           | 50434     |
| 5962-8767906KXA                         | HCPL-553K#300                       | 3          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS | Avago           | 50434     |
| 5962-8767906KXA                         | 66126-300J                          | 1          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS | Micropac        | 31757     |
| 5962-8767906KPA                         | 66126-300                           | 1          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS | Micropac        | 31757     |
| 5962-8767906KPC                         | HCPL-553K                           | 3          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS | Avago           | 50434     |
| 5962-8767906KPC                         | 66126-300                           | 1          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS | Micropac        | 31757     |
| 5962-8767907K2A                         | 66125-300                           | 1          | OPTOCOUPLER, DUAL-CHANNEL, WITH SEPARATE SUPPLY VOLTAGE CONNECTIONS          | Micropac        | 31757     |
| 5962-8767907K2A                         | HCPL-653K                           | 3          | OPTOCOUPLER, DUAL-CHANNEL, WITH SEPARATE SUPPLY VOLTAGE CONNECTIONS          | Avago           | 50434     |
| 5962-8767908KFC                         | HCPL-655K                           | 3          | OPTOCOUPLER, QUAD-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS | Avago           | 50434     |
| 5962-8768801XA                          | MN3008MXA                           | 1          | D/A CONVERTER, 8-BIT, 0V TO +4V OUTPUT                                       | Spectrum (Worc  | 50507     |
| 5962-8768801XC                          | MN3008MXC                           | 1          | D/A CONVERTER, 8-BIT, 0V TO +4V OUTPUT                                       | Spectrum (Worc  | 50507     |
| 5962-8768802XA                          | MN3009MXA                           | 1          | D/A CONVERTER, 8-BIT, -2V TO +2V OUTPUT                                      | Spectrum (Worc  | 50507     |
| 5962-8768802XC                          | MN3009MXC                           | 1          | D/A CONVERTER, 8-BIT, -2V TO +2V OUTPUT                                      | Spectrum (Worc  | 50507     |
| 5962-8850801XA                          | ADC-HX/883B                         | 1          | A/D CONVERTER, 12-BIT  | Murata          | 50721     |
| 5962-8850801XC                          | ADC-HX/883B                         | 1          | A/D CONVERTER, 12-BIT  | Murata          | 50721     |
| 5962-8850802XA                          | MNADC87MXA                          | 1          | A/D CONVERTER, 12-BIT  | Spectrum (Worc  | 50507     |
| 5962-8850802XC                          | MNADC87MXC                          | 1          | A/D CONVERTER, 12-BIT  | Spectrum (Worc  | 50507     |
| 5962-8850802XC                          | ADC-HZ/883B                         | 1          | A/D CONVERTER, 12-BIT  | Murata          | 50721     |
| 5962-8850802XA                          | ADC-HZ/883B                         | 1          | A/D CONVERTER, 12-BIT  | Murata          | 50721     |
| 5962-8850902XA                          | AD390TD/883B                        | 1          | D/A CONVERTER, QUAD 12-BIT   | Analog          | 34031     |
| 5962-8851403XC                          | HDAS-8/883                          | 1          | DATA ACQUISITION SYSTEM, 12-BIT, 8-CHANNEL DIFFERENTIAL INPUT                | Murata          | 50721     |
| 5962-8851403XA                          | HDAS-8/883                          | 1          | DATA ACQUISITION SYSTEM, 12-BIT, 8-CHANNEL DIFFERENTIAL INPUT                | Murata          | 50721     |
| 5962-8851404XC                          | HDAS-16/883                         | 1          | DATA ACQUISITION SYSTEM, 12-BIT, 16-CHANNEL SINGLE-ENDED INPUT               | Murata          | 50721     |
| 5962-8851404XA                          | HDAS-16/883                         | 1          | DATA ACQUISITION SYSTEM, 12-BIT, 16-CHANNEL SINGLE-ENDED INPUT               | Murata          | 50721     |
| 5962-8858501XA                          | CT2565-001-2                        | 1          | BUS CONTROLLER, DUAL REDUNDANT, RTU  | Aeroflex        | 88379     |
| 5962-8858501YC                          | CT2565-201-1                        | 1          | BUS CONTROLLER, DUAL REDUNDANT, RTU  | Aeroflex        | 88379     |
| 5962-8858501YA                          | CT2565-201-2                        | 1          | BUS CONTROLLER, DUAL REDUNDANT, RTU  | Aeroflex        | 88379     |
| 5962-8858501XC                          | CT2565-001-1                        | 1          | BUS CONTROLLER, DUAL REDUNDANT, RTU  | Aeroflex        | 88379     |
| 5962-8858502XA                          | CT2565-002-2                        | 1          | BUS CONTROLLER, DUAL REDUNDANT, RTU  | Aeroflex        | 88379     |
| 5962-8858502XC                          | CT2565-002-1                        | 1          | BUS CONTROLLER, DUAL REDUNDANT, RTU  | Aeroflex        | 88379     |
| 5962-8858502YC                          | CT2565-202-1                        | 1          | BUS CONTROLLER, DUAL REDUNDANT, RTU  | Aeroflex        | 88379     |
| 5962-8858502YA                          | CT2565-202-2                        | 1          | BUS CONTROLLER, DUAL REDUNDANT, RTU  | Aeroflex        | 88379     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                                   | Approved Source | CAGE Code |
| 5962-8858602YA                          | CT2566-201-2                        | 1          | INTERFACE UNIT, BUS TO MICROPROCESSOR, MIL-STD-1553        | Aeroflex        | 88379     |
| 5962-8858602XC                          | CT2566-001-1                        | 1          | INTERFACE UNIT, BUS TO MICROPROCESSOR, MIL-STD-1553        | Aeroflex        | 88379     |
| 5962-8858602XA                          | CT2566-001-2                        | 1          | INTERFACE UNIT, BUS TO MICROPROCESSOR, MIL-STD-1553        | Aeroflex        | 88379     |
| 5962-8858602YC                          | CT2566-201-1                        | 1          | INTERFACE UNIT, BUS TO MICROPROCESSOR, MIL-STD-1553        | Aeroflex        | 88379     |
| 5962-8858603YA                          | CT2566-202-2                        | 1          | INTERFACE UNIT, BUS TO MICROPROCESSOR, MIL-STD-1553        | Aeroflex        | 88379     |
| 5962-8858603XA                          | CT2566-002-2                        | 1          | INTERFACE UNIT, BUS TO MICROPROCESSOR, MIL-STD-1553        | Aeroflex        | 88379     |
| 5962-8858603XC                          | CT2566-002-1                        | 1          | INTERFACE UNIT, BUS TO MICROPROCESSOR, MIL-STD-1553        | Aeroflex        | 88379     |
| 5962-8858603YC                          | CT2566-202-1                        | 1          | INTERFACE UNIT, BUS TO MICROPROCESSOR, MIL-STD-1553        | Aeroflex        | 88379     |
| 5962-8869201XA                          | CT2553-001-2                        | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RTU/MT              | Aeroflex        | 88379     |
| 5962-8869201XC                          | CT2553-001-1                        | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RTU/MT              | Aeroflex        | 88379     |
| 5962-8869201YA                          | CT2553-201-2                        | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RTU/MT              | Aeroflex        | 88379     |
| 5962-8869201YC                          | CT2553-201-1                        | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RTU/MT              | Aeroflex        | 88379     |
| 5962-8869202YC                          | CT2554-201-1                        | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RTU/MT              | Aeroflex        | 88379     |
| 5962-8869202YA                          | CT2554-201-2                        | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RTU/MT              | Aeroflex        | 88379     |
| 5962-8869202XC                          | CT2554-001-1                        | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RTU/MT              | Aeroflex        | 88379     |
| 5962-8869202XA                          | CT2554-001-2                        | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RTU/MT              | Aeroflex        | 88379     |
| 5962-8869203XC                          | CT2555-001-1                        | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RTU/MT, TRANSCEIVER | Aeroflex        | 88379     |
| 5962-8869203XA                          | CT2555-001-2                        | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RTU/MT, TRANSCEIVER | Aeroflex        | 88379     |
| 5962-8869203YC                          | CT2555-201-1                        | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RTU/MT, TRANSCEIVER | Aeroflex        | 88379     |
| 5962-8869203YA                          | CT2555-201-2                        | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RTU/MT, TRANSCEIVER | Aeroflex        | 88379     |
| 5962-8870101YA                          | MSK146B                             | 1          | OP AMP, HIGH-POWER   | MSK             | 51651     |
| 5962-8870101ZC                          | MSK145B                             | 1          | OP AMP, HIGH-POWER   | MSK             | 51651     |
| 5962-8870101ZA                          | MSK145B                             | 1          | OP AMP, HIGH-POWER   | MSK             | 51651     |
| 5962-8870101YC                          | MSK146B                             | 1          | OP AMP, HIGH-POWER   | MSK             | 51651     |
| 5962-8870101XC                          | MSK541B                             | 1          | OP AMP, HIGH-POWER   | MSK             | 51651     |
| 5962-8870101XA                          | MSK541B                             | 1          | OP AMP, HIGH-POWER   | MSK             | 51651     |
| 5962-8870101UC                          | MSK147B                             | 1          | OP AMP, HIGH-POWER   | MSK             | 51651     |
| 5962-8870101UA                          | MSK147B                             | 1          | OP AMP, HIGH-POWER   | MSK             | 51651     |
| 5962-8870103UA                          | MSK147B                             | 1          | OP AMP, HIGH-POWER   | MSK             | 51651     |
| 5962-8870103XC                          | MSK541B                             | 1          | OP AMP, HIGH-POWER   | MSK             | 51651     |
| 5962-8870103XA                          | MSK541B                             | 1          | OP AMP, HIGH-POWER   | MSK             | 51651     |
| 5962-8870103ZA                          | MSK145B                             | 1          | OP AMP, HIGH-POWER   | MSK             | 51651     |
| 5962-8870103ZC                          | MSK145B                             | 1          | OP AMP, HIGH-POWER   | MSK             | 51651     |
| 5962-8870103YA                          | MSK146B                             | 1          | OP AMP, HIGH-POWER   | MSK             | 51651     |
| 5962-8870103YC                          | MSK146B                             | 1          | OP AMP, HIGH-POWER   | MSK             | 51651     |
| 5962-8870103UC                          | MSK147B                             | 1          | OP AMP, HIGH-POWER   | MSK             | 51651     |
| 5962-8876801PC                          | HCPL-5201                           | 1          | OPTOCOUPLER, SINGLE-CHANNEL                                | Avago           | 50434     |
| 5962-8876801XA                          | HCPL-5201#300                       | 1          | OPTOCOUPLER, SINGLE-CHANNEL                                | Avago           | 50434     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description   | Approved Source | CAGE Code |
| 5962-8876801PA                          | HCPL-5201#200                       | 1          | OPTOCOUPLER, SINGLE-CHANNEL  | Avago           | 50434     |
| 5962-8876801YC                          | HCPL-5201#100                       | 1          | OPTOCOUPLER, SINGLE-CHANNEL  | Avago           | 50434     |
| 5962-8876801YA                          | HCPL-5201#100                       | 1          | OPTOCOUPLER, SINGLE-CHANNEL  | Avago           | 50434     |
| 5962-8876802KPC                         | HCPL-520K                           | 1          | OPTOCOUPLER, SINGLE-CHANNEL  | Avago           | 50434     |
| 5962-8876802KXA                         | HCPL-520K#300                       | 1          | OPTOCOUPLER, SINGLE-CHANNEL  | Avago           | 50434     |
| 5962-8876802KYC                         | HCPL-520K#100                       | 1          | OPTOCOUPLER, SINGLE-CHANNEL  | Avago           | 50434     |
| 5962-8876802KYA                         | HCPL-520K#100                       | 1          | OPTOCOUPLER, SINGLE-CHANNEL  | Avago           | 50434     |
| 5962-8876802KPA                         | HCPL-520K#200                       | 1          | OPTOCOUPLER, SINGLE-CHANNEL  | Avago           | 50434     |
| 5962-8876901YA                          | HCPL-5231#100                       | 3          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLT. AND GND. CONNECTIONS   | Avago           | 50434     |
| 5962-8876901PA                          | HCPL-5231#200                       | 3          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLT. AND GND. CONNECTIONS   | Avago           | 50434     |
| 5962-8876901XA                          | HCPL-5231#300                       | 3          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLT. AND GND. CONNECTIONS   | Avago           | 50434     |
| 5962-8876901YC                          | HCPL-5231#100                       | 3          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLT. AND GND. CONNECTIONS   | Avago           | 50434     |
| 5962-8876901PC                          | HCPL-5231                           | 3          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLT. AND GND. CONNECTIONS   | Avago           | 50434     |
| 5962-88769022A                          | HCPL-6231                           | 1          | OPTOCOUPLER, DUAL-CHANNEL, WITH SEPARATE SUPPLY VOLT. AND GND. CONNECTIONS | Avago           | 50434     |
| 5962-8876903FC                          | HCPL-6251                           | 3          | OPTOCOUPLER, QUAD-CHANNEL, WITH COMMON SUPPLY VOLT. AND GND. CONNECTIONS   | Avago           | 50434     |
| 5962-8876904KPC                         | HCPL-523K                           | 3          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLT. AND GND. CONNECTIONS   | Avago           | 50434     |
| 5962-8876904KPA                         | HCPL-523K#200                       | 3          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLT. AND GND. CONNECTIONS   | Avago           | 50434     |
| 5962-8876904KYC                         | HCPL-523K#100                       | 3          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLT. AND GND. CONNECTIONS   | Avago           | 50434     |
| 5962-8876904KYA                         | HCPL-523K#100                       | 3          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLT. AND GND. CONNECTIONS   | Avago           | 50434     |
| 5962-8876904KXA                         | HCPL-523K#300                       | 3          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLT. AND GND. CONNECTIONS   | Avago           | 50434     |
| 5962-8876905K2A                         | HCPL-623K                           | 3          | OPTOCOUPLER, DUAL-CHANNEL, WITH SEPARATE SUPPLY VOLT. AND GND. CONNECTIONS | Avago           | 50434     |
| 5962-8876906KFC                         | HCPL-625K                           | 3          | OPTOCOUPLER, QUAD-CHANNEL, WITH COMMON SUPPLY VOLT. AND GND. CONNECTIONS   | Avago           | 50434     |
| 5962-8944703HXC                         | FC1553622                           | 1          | DRIVER-RECEIVER, DUAL CHANNEL, RECEIVER IDLE NORMALLY HIGH                 | C-MAC           | U4388     |
| 5962-8944703HXA                         | FC1553622                           | 1          | DRIVER-RECEIVER, DUAL CHANNEL, RECEIVER IDLE NORMALLY HIGH                 | C-MAC           | U4388     |
| 5962-8944703HYA                         | FC1553622FP                         | 1          | DRIVER-RECEIVER, DUAL CHANNEL, RECEIVER IDLE NORMALLY HIGH                 | C-MAC           | U4388     |
| 5962-8944703HYC                         | FC1553622FP                         | 1          | DRIVER-RECEIVER, DUAL CHANNEL, RECEIVER IDLE NORMALLY HIGH                 | C-MAC           | U4388     |
| 5962-8944704HXC                         | BUS63135II                          | 1          | DRIVER-RECEIVER, DUAL CHANNEL, RECEIVER IDLE NORMALLY HIGH                 | DDC             | 19645     |
| 5962-8944704HYC                         | BUS63136II                          | 1          | DRIVER-RECEIVER, DUAL CHANNEL, RECEIVER IDLE NORMALLY HIGH                 | DDC             | 19645     |
| 5962-8944706HXC                         | ACT4487-DI-002-1                    | 1          | DRIVER-RECEIVER, DUAL CHANNEL, RECEIVER IDLE NORMALLY HIGH                 | Aeroflex        | 88379     |
| 5962-8944706HXA                         | ACT4487-DI-002-2                    | 1          | DRIVER-RECEIVER, DUAL CHANNEL, RECEIVER IDLE NORMALLY HIGH                 | Aeroflex        | 88379     |
| 5962-8944708HXA                         | ACT4487-DI                          | 1          | DRIVER-RECEIVER, DUAL CHANNEL, RECEIVER IDLE NORMALLY HIGH                 | Aeroflex        | 88379     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description   | Approved Source | CAGE Code |
| 5962-8944708HYC                         | ACT4487-DFI                         | 1          | DRIVER-RECEIVER, DUAL CHANNEL, RECEIVER IDLE NORMALLY HIGH       | Aeroflex        | 88379     |
| 5962-8944708HZA                         | ACT4436-DFI                         | 1          | DRIVER-RECEIVER, DUAL CHANNEL, RECEIVER IDLE NORMALLY HIGH       | Aeroflex        | 88379     |
| 5962-8944708HZC                         | ACT4436-DFI                         | 1          | DRIVER-RECEIVER, DUAL CHANNEL, RECEIVER IDLE NORMALLY HIGH       | Aeroflex        | 88379     |
| 5962-8944708HUA                         | ACT4436-DI                          | 1          | DRIVER-RECEIVER, DUAL CHANNEL, RECEIVER IDLE NORMALLY HIGH       | Aeroflex        | 88379     |
| 5962-8944708HUC                         | ACT4436-DI                          | 1          | DRIVER-RECEIVER, DUAL CHANNEL, RECEIVER IDLE NORMALLY HIGH       | Aeroflex        | 88379     |
| 5962-8944708HYA                         | ACT4487-DFI                         | 1          | DRIVER-RECEIVER, DUAL CHANNEL, RECEIVER IDLE NORMALLY HIGH       | Aeroflex        | 88379     |
| 5962-8944708HXC                         | ACT4487-DI                          | 1          | DRIVER-RECEIVER, DUAL CHANNEL, RECEIVER IDLE NORMALLY HIGH       | Aeroflex        | 88379     |
| 5962-8947701PC                          | HCPL-5761                           | 2          | OPTOCOUPLER, AC/DC TO LOGIC INTERFACE                            | Avago           | 50434     |
| 5962-8947701YA                          | HCPL-5761#100                       | 2          | OPTOCOUPLER, AC/DC TO LOGIC INTERFACE                            | Avago           | 50434     |
| 5962-8947701YC                          | HCPL-5761#100                       | 2          | OPTOCOUPLER, AC/DC TO LOGIC INTERFACE                            | Avago           | 50434     |
| 5962-8947701PA                          | HCPL-5761#200                       | 2          | OPTOCOUPLER, AC/DC TO LOGIC INTERFACE                            | Avago           | 50434     |
| 5962-8947701XA                          | HCPL-5761#300                       | 2          | OPTOCOUPLER, AC/DC TO LOGIC INTERFACE                            | Avago           | 50434     |
| 5962-8947702KPA                         | HCPL-576K#200                       | 2          | OPTOCOUPLER, AC/DC TO LOGIC INTERFACE                            | Avago           | 50434     |
| 5962-8947702KYC                         | HCPL-576K#100                       | 2          | OPTOCOUPLER, AC/DC TO LOGIC INTERFACE                            | Avago           | 50434     |
| 5962-8947702KYA                         | HCPL-576K#100                       | 2          | OPTOCOUPLER, AC/DC TO LOGIC INTERFACE                            | Avago           | 50434     |
| 5962-8947702KXA                         | HCPL-576K#300                       | 2          | OPTOCOUPLER, AC/DC TO LOGIC INTERFACE                            | Avago           | 50434     |
| 5962-8947702KPC                         | HCPL-576K                           | 2          | OPTOCOUPLER, AC/DC TO LOGIC INTERFACE                            | Avago           | 50434     |
| 5962-8949001XC                          | SD11089XHG                          | 1          | VOLT. REGULATOR, FIXED, DUAL, +15V AND -15V OUTPUT               | Solitron        | 21845     |
| 5962-8949001XA                          | SD11089XHD                          | 1          | VOLT. REGULATOR, FIXED, DUAL, +15V AND -15V OUTPUT               | Solitron        | 21845     |
| 5962-8949003XC                          | SD11082XHG                          | 1          | VOLT. REGULATOR, FIXED, DUAL, +5V AND -12V OUTPUT                | Solitron        | 21845     |
| 5962-8949003XA                          | SD11082XHD                          | 1          | VOLT. REGULATOR, FIXED, DUAL, +5V AND -12V OUTPUT                | Solitron        | 21845     |
| 5962-8949004XC                          | SD11083XHG                          | 1          | VOLT. REGULATOR, FIXED, DUAL, +5V AND -15V OUTPUT                | Solitron        | 21845     |
| 5962-8949004XA                          | SD11083XHD                          | 1          | VOLT. REGULATOR, FIXED, DUAL, +5V AND -15V OUTPUT                | Solitron        | 21845     |
| 5962-8949005XC                          | SD11084XHG                          | 1          | VOLT. REGULATOR, FIXED, DUAL, +12V AND -5V OUTPUT                | Solitron        | 21845     |
| 5962-8949005XA                          | SD11084XHD                          | 1          | VOLT. REGULATOR, FIXED, DUAL, +12V AND -5V OUTPUT                | Solitron        | 21845     |
| 5962-8949006XA                          | SD11085XHD                          | 1          | VOLT. REGULATOR, FIXED, DUAL, +12V AND -12V OUTPUT               | Solitron        | 21845     |
| 5962-8949006XC                          | SD11085XHG                          | 1          | VOLT. REGULATOR, FIXED, DUAL, +12V AND -12V OUTPUT               | Solitron        | 21845     |
| 5962-8949007XA                          | SD11086XHD                          | 1          | VOLT. REGULATOR, FIXED, DUAL, +12V AND -15V OUTPUT               | Solitron        | 21845     |
| 5962-8949007XC                          | SD11086XHG                          | 1          | VOLT. REGULATOR, FIXED, DUAL, +12V AND -15V OUTPUT               | Solitron        | 21845     |
| 5962-8949008XA                          | SD11087XHD                          | 1          | VOLT. REGULATOR, FIXED, DUAL, +15V AND -5V OUTPUT                | Solitron        | 21845     |
| 5962-8949008XC                          | SD11087XHG                          | 1          | VOLT. REGULATOR, FIXED, DUAL, +15V AND -5V OUTPUT                | Solitron        | 21845     |
| 5962-8949009XA                          | SD11088XHD                          | 1          | VOLT. REGULATOR, FIXED, DUAL, +15V AND -12V OUTPUT               | Solitron        | 21845     |
| 5962-8949009XC                          | SD11088XHG                          | 1          | VOLT. REGULATOR, FIXED, DUAL, +15V AND -12V OUTPUT               | Solitron        | 21845     |
| 5962-8949801XC                          | SDC-14561V-114                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 90 V, 400 HZ, 2.0 MINUTES ACCURACY | DDC             | 19645     |
| 5962-8949801XA                          | SDC-14561V-144                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 90 V, 400 HZ, 2.0 MINUTES ACCURACY | DDC             | 19645     |
| 5962-8949802XA                          | SDC-14561V-145                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 90 V, 400 HZ, 1.0 MINUTES ACCURACY | DDC             | 19645     |
| 5962-8949802XC                          | SDC-14561V-115                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 90 V, 400 HZ, 1.0 MINUTES ACCURACY | DDC             | 19645     |
| 5962-8949805XA                          | SDC-14562V-144                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 90V, 60 HZ, 2.0 MINUTES ACCURACY   | DDC             | 19645     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |   |                 |           |
|---|-------------------------------------|------------|---|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description  | Approved Source | CAGE Code |
| 5962-8949805XC                          | SDC-14562V-114                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 90V, 60 HZ, 2.0 MINUTES ACCURACY    | DDC             | 19645     |
| 5962-8949901XC                          | SDC-14560-114                       | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 11.8V, 400 HZ, 2.0 MINUTES ACCURACY | DDC             | 19645     |
| 5962-8949901XA                          | SDC-14560-144                       | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 11.8V, 400 HZ, 2.0 MINUTES ACCURACY | DDC             | 19645     |
| 5962-8949902XA                          | SDC-14560-145                       | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 11.8V, 400 HZ, 1.0 MINUTE ACCURACY  | DDC             | 19645     |
| 5962-8949902XC                          | SDC-14560-115                       | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 11.8V, 400 HZ, 1.0 MINUTE ACCURACY  | DDC             | 19645     |
| 5962-8949903XA                          | SDC-14560-605                       | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 11.8V, 400 HZ, 2.0 MINUTES ACCURACY | DDC             | 19645     |
| 5962-8949907XC                          | SDC-14560-112                       | 1          | S/D CONVERTER, 11.8 VOLT  | DDC             | 19645     |
| 5962-8949907XA                          | SDC-14560-142                       | 1          | S/D CONVERTER, 11.8 VOLT  | DDC             | 19645     |
| 5962-8949908XC                          | SDC-14560-111                       | 1          | S/D CONVERTER, 11.8 VOLT  | DDC             | 19645     |
| 5962-8949908XA                          | SDC-14560-141                       | 1          | S/D CONVERTER, 11.8 VOLT  | DDC             | 19645     |
| 5962-8950901XA                          | RGBDAC3808H/B                       | 1          | D/A CONVERTER, 8-BIT, TRIPLE, COLOR-MAPPED VIDEO                  | IR Santa Clara  | 52467     |
| 5962-8952206YA                          | FC1553921FP                         | 1          | BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V                   | C-MAC           | U4388     |
| 5962-8952206KYC                         | FC1553921FP                         | 1          | BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V                   | C-MAC           | U4388     |
| 5962-8952206XA                          | FC1553921                           | 1          | BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V                   | C-MAC           | U4388     |
| 5962-8952206XC                          | FC1553921                           | 1          | BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V                   | C-MAC           | U4388     |
| 5962-8952206KYA                         | FC1553921FP                         | 1          | BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V                   | C-MAC           | U4388     |
| 5962-8952206YC                          | FC1553921FP                         | 1          | BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V                   | C-MAC           | U4388     |
| 5962-8952207XC                          | FC1553923                           | 1          | BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V                   | C-MAC           | U4388     |
| 5962-8952207XA                          | FC1553923                           | 1          | BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V                   | C-MAC           | U4388     |
| 5962-8952207KYA                         | FC1553923FP                         | 1          | BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V                   | C-MAC           | U4388     |
| 5962-8952207KYC                         | FC1553923FP                         | 1          | BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V                   | C-MAC           | U4388     |
| 5962-8952207YA                          | FC1553923FP                         | 1          | BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V                   | C-MAC           | U4388     |
| 5962-8952207YC                          | FC1553923FP                         | 1          | BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V                   | C-MAC           | U4388     |
| 5962-8952209KYC                         | FC1553922FP                         | 1          | BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V                   | C-MAC           | U4388     |
| 5962-8952209XA                          | FC1553922                           | 1          | BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V                   | C-MAC           | U4388     |
| 5962-8952209YC                          | FC1553922FP                         | 1          | BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V                   | C-MAC           | U4388     |
| 5962-8952209YA                          | FC1553922FP                         | 1          | BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V                   | C-MAC           | U4388     |
| 5962-8952209XC                          | FC1553922                           | 1          | BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V                   | C-MAC           | U4388     |
| 5962-8952209KYA                         | FC1553922FP                         | 1          | BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V                   | C-MAC           | U4388     |
| 5962-8952210XC                          | FC1553924                           | 1          | BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V                   | C-MAC           | U4388     |
| 5962-8952210XA                          | FC1553924                           | 1          | BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V                   | C-MAC           | U4388     |
| 5962-8952211XC                          | ACT4453-001-4                       | 1          | BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V                   | Aeroflex        | 88379     |
| 5962-8952211KXC                         | ACT4453-001-4S                      | 1          | BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V                   | Aeroflex        | 88379     |
| 5962-8952211YA                          | ACT4453-201-5                       | 1          | BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V                   | Aeroflex        | 88379     |
| 5962-8952211KYC                         | ACT4453-201-4S                      | 1          | BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V                   | Aeroflex        | 88379     |
| 5962-8952211YC                          | ACT4453-201-4                       | 1          | BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V                   | Aeroflex        | 88379     |
| 5962-8952211KYA                         | ACT4453-201-5S                      | 1          | BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V                   | Aeroflex        | 88379     |
| 5962-8952211KXA                         | ACT4453-001-5S                      | 1          | BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V                   | Aeroflex        | 88379     |
| 5962-8952211XA                          | ACT4453-001-5                       | 1          | BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V                   | Aeroflex        | 88379     |
| 5962-8952212KYA                         | ACT4453-201-2S                      | 1          | BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V                   | Aeroflex        | 88379     |
| 5962-8952212YA                          | ACT4453-201-2                       | 1          | BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V                   | Aeroflex        | 88379     |
| 5962-8952212KYC                         | ACT4453-201-1S                      | 1          | BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V                   | Aeroflex        | 88379     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description   | Approved Source | CAGE Code |
| 5962-8952212XA                          | ACT4453-001-2                       | 1          | BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V                                | Aeroflex        | 88379     |
| 5962-8952212KXC                         | ACT4453-001-1S                      | 1          | BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V                                | Aeroflex        | 88379     |
| 5962-8952212XC                          | ACT4453-001-1                       | 1          | BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V                                | Aeroflex        | 88379     |
| 5962-8952212YC                          | ACT4453-201-1                       | 1          | BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V                                | Aeroflex        | 88379     |
| 5962-8952212KXA                         | ACT4453-001-2S                      | 1          | BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V                                | Aeroflex        | 88379     |
| 5962-8952801XC                          | DAC-HKB/883                         | 1          | D/A CONVERTER, 12-BIT, BINARY INPUT CODE                                       | Murata          | 50721     |
| 5962-8952801XA                          | DAC-HKB/883                         | 1          | D/A CONVERTER, 12-BIT, BINARY INPUT CODE                                       | Murata          | 50721     |
| 5962-8952802XA                          | DAC-HKB-2/883                       | 1          | D/A CONVERTER, 12-BIT, TWO'S COMPLEMENT  | Murata          | 50721     |
| 5962-8952802XC                          | DAC-HKB-2/883                       | 1          | D/A CONVERTER, 12-BIT, TWO'S COMPLEMENT  | Murata          | 50721     |
| 5962-8953101HXC                         | DAC-HPB/883                         | 1          | D/A CONVERTER, 16-BIT, 0 TO +10V AND ±5V OUTPUT                                | Murata          | 50721     |
| 5962-8953102HXC                         | DAC-HPB-1/883                       | 1          | D/A CONVERTER, 16-BIT, ±10V OUTPUT   | Murata          | 50721     |
| 5962-8956301HXC                         | MN5290MXC                           | 1          | A/D CONVERTER, 16-BIT RESOLUTION   | Spectrum (Worc  | 50507     |
| 5962-8956301HXA                         | MN5290MXA                           | 1          | A/D CONVERTER, 16-BIT RESOLUTION   | Spectrum (Worc  | 50507     |
| 5962-8956302HXC                         | MN5291MXC                           | 1          | A/D CONVERTER, 16-BIT RESOLUTION   | Spectrum (Worc  | 50507     |
| 5962-8956302HXA                         | MN5291MXA                           | 1          | A/D CONVERTER, 16-BIT RESOLUTION   | Spectrum (Worc  | 50507     |
| 5962-8956901HXC                         | MN5295H/B                           | 1          | A/D CONVERTER, 16-BIT  | Spectrum (Worc  | 50507     |
| 5962-8956901HXA                         | MN5295H/B                           | 1          | A/D CONVERTER, 16-BIT  | Spectrum (Worc  | 50507     |
| 5962-8957001PA                          | HCPL-5401#200                       | 2          | OPTOCOUPLER, SINGLE-CHANNEL, HIGH-SPEED  | Avago           | 50434     |
| 5962-8957001YC                          | HCPL-5401#100                       | 2          | OPTOCOUPLER, SINGLE-CHANNEL, HIGH-SPEED  | Avago           | 50434     |
| 5962-8957001YA                          | HCPL-5401#100                       | 2          | OPTOCOUPLER, SINGLE-CHANNEL, HIGH-SPEED  | Avago           | 50434     |
| 5962-8957001XA                          | HCPL-5401#300                       | 2          | OPTOCOUPLER, SINGLE-CHANNEL, HIGH-SPEED  | Avago           | 50434     |
| 5962-8957001PC                          | 66115-105                           | 1          | OPTOCOUPLER, SINGLE-CHANNEL, HIGH-SPEED  | Micropac        | 31757     |
| 5962-8957001PA                          | 66115-105                           | 1          | OPTOCOUPLER, SINGLE-CHANNEL, HIGH-SPEED  | Micropac        | 31757     |
| 5962-8957001PC                          | HCPL-5401                           | 2          | OPTOCOUPLER, SINGLE-CHANNEL, HIGH-SPEED  | Avago           | 50434     |
| 5962-8957002KYA                         | HCPL-540K#100                       | 2          | OPTOCOUPLER, SINGLE-CHANNEL, HIGH-SPEED  | Avago           | 50434     |
| 5962-8957002KPC                         | HCPL-540K                           | 2          | OPTOCOUPLER, SINGLE-CHANNEL, HIGH-SPEED  | Avago           | 50434     |
| 5962-8957002KPA                         | HCPL-540K#200                       | 2          | OPTOCOUPLER, SINGLE-CHANNEL, HIGH-SPEED  | Avago           | 50434     |
| 5962-8957002KXA                         | HCPL-540K#300                       | 2          | OPTOCOUPLER, SINGLE-CHANNEL, HIGH-SPEED  | Avago           | 50434     |
| 5962-8957002KPC                         | 66115-302                           | 1          | OPTOCOUPLER, SINGLE-CHANNEL, HIGH-SPEED  | Micropac        | 31757     |
| 5962-8957002KPA                         | 66115-302                           | 1          | OPTOCOUPLER, SINGLE-CHANNEL, HIGH-SPEED  | Micropac        | 31757     |
| 5962-8957002KYC                         | HCPL-540K#100                       | 2          | OPTOCOUPLER, SINGLE-CHANNEL, HIGH-SPEED  | Avago           | 50434     |
| 5962-8957101XA                          | HCPL-5431#300                       | 3          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS   | Avago           | 50434     |
| 5962-8957101PA                          | 66115-103                           | 1          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS   | Micropac        | 31757     |
| 5962-8957101YA                          | HCPL-5431#100                       | 3          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS   | Avago           | 50434     |
| 5962-8957101PA                          | HCPL-5431#200                       | 3          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS   | Avago           | 50434     |
| 5962-8957101YC                          | HCPL-5431#100                       | 3          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS   | Avago           | 50434     |
| 5962-8957101PC                          | HCPL-5431                           | 3          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS   | Avago           | 50434     |
| 5962-8957101PC                          | 66115-103                           | 1          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS   | Micropac        | 31757     |
| 5962-89571022A                          | HCPL-6431                           | 3          | OPTOCOUPLER, DUAL-CHANNEL, WITH SEPARATE SUPPLY VOLTAGE AND GROUND CONNECTIONS | Avago           | 50434     |
| 5962-89571022A                          | 66136-001                           | 1          | OPTOCOUPLER, DUAL-CHANNEL, WITH SEPARATE SUPPLY VOLTAGE AND GROUND CONNECTIONS | Micropac        | 31757     |



Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description   | Approved Source | CAGE Code |
| 5962-8957103KXA                         | HCPL-543K#300                       | 3          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS   | Avago           | 50434     |
| 5962-8957103KPA                         | HCPL-543K#200                       | 3          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS   | Avago           | 50434     |
| 5962-8957103KYC                         | HCPL-543K#100                       | 3          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS   | Avago           | 50434     |
| 5962-8957103KPA                         | 66115-301                           | 1          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS   | Micropac        | 31757     |
| 5962-8957103KYA                         | HCPL-543K#100                       | 3          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS   | Avago           | 50434     |
| 5962-8957103KPC                         | HCPL-543K                           | 3          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS   | Avago           | 50434     |
| 5962-8957103KPC                         | 66115-301                           | 1          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS   | Micropac        | 31757     |
| 5962-8957104K2A                         | 66136-301                           | 1          | OPTOCOUPLER, DUAL-CHANNEL, WITH SEPARATE SUPPLY VOLTAGE AND GROUND CONNECTIONS | Micropac        | 31757     |
| 5962-8957104K2A                         | HCPL-643K                           | 3          | OPTOCOUPLER, DUAL-CHANNEL, WITH SEPARATE SUPPLY VOLTAGE AND GROUND CONNECTIONS | Avago           | 50434     |
| 5962-8957201EA                          | HCPL-1931#200                       | 1          | OPTOCOUPLER, DUAL-CHANNEL LINE RECEIVER  | Avago           | 50434     |
| 5962-8957201XA                          | HCPL-1931#300                       | 1          | OPTOCOUPLER, DUAL-CHANNEL LINE RECEIVER  | Avago           | 50434     |
| 5962-8957201EC                          | HCPL-1931                           | 1          | OPTOCOUPLER, DUAL-CHANNEL LINE RECEIVER  | Avago           | 50434     |
| 5962-8957201YA                          | HCPL-1931#100                       | 1          | OPTOCOUPLER, DUAL-CHANNEL LINE RECEIVER  | Avago           | 50434     |
| 5962-8957201YC                          | HCPL-1931#100                       | 1          | OPTOCOUPLER, DUAL-CHANNEL LINE RECEIVER  | Avago           | 50434     |
| 5962-8957202KEA                         | HCPL-193K#200                       | 1          | OPTOCOUPLER, DUAL-CHANNEL LINE RECEIVER  | Avago           | 50434     |
| 5962-8957202KYC                         | HCPL-193K#100                       | 1          | OPTOCOUPLER, DUAL-CHANNEL LINE RECEIVER  | Avago           | 50434     |
| 5962-8957202KYA                         | HCPL-193K#100                       | 1          | OPTOCOUPLER, DUAL-CHANNEL LINE RECEIVER  | Avago           | 50434     |
| 5962-8957202KEC                         | HCPL-193K                           | 1          | OPTOCOUPLER, DUAL-CHANNEL LINE RECEIVER  | Avago           | 50434     |
| 5962-8957202KXA                         | HCPL-193K#300                       | 1          | OPTOCOUPLER, DUAL-CHANNEL LINE RECEIVER  | Avago           | 50434     |
| 5962-8958303XA                          | MN5201MXA                           | 1          | A/D CONVERTER, 12-BIT, -5V TO +5V INTERNAL REFERENCE                           | Spectrum (Worc  | 50507     |
| 5962-8958303XC                          | MN5201MXC                           | 1          | A/D CONVERTER, 12-BIT, -5V TO +5V INTERNAL REFERENCE                           | Spectrum (Worc  | 50507     |
| 5962-8958303YA                          | MN5201MYA                           | 1          | A/D CONVERTER, 12-BIT, -5V TO +5V INTERNAL REFERENCE                           | Spectrum (Worc  | 50507     |
| 5962-8958303YC                          | MN5201MYC                           | 1          | A/D CONVERTER, 12-BIT, -5V TO +5V INTERNAL REFERENCE                           | Spectrum (Worc  | 50507     |
| 5962-8958304YC                          | MN5204MYC                           | 1          | A/D CONVERTER, 12-BIT, -5V TO +5V EXTERNAL REFERENCE                           | Spectrum (Worc  | 50507     |
| 5962-8958304YA                          | MN5204MYA                           | 1          | A/D CONVERTER, 12-BIT, -5V TO +5V EXTERNAL REFERENCE                           | Spectrum (Worc  | 50507     |
| 5962-8958304XA                          | MN5204MXA                           | 1          | A/D CONVERTER, 12-BIT, -5V TO +5V EXTERNAL REFERENCE                           | Spectrum (Worc  | 50507     |
| 5962-8958304XC                          | MN5204MXC                           | 1          | A/D CONVERTER, 12-BIT, -5V TO +5V EXTERNAL REFERENCE                           | Spectrum (Worc  | 50507     |
| 5962-8958305YA                          | MN5202MYA                           | 1          | A/D CONVERTER, 12-BIT, -10V TO +10V INTERNAL REFERENCE                         | Spectrum (Worc  | 50507     |
| 5962-8958305YC                          | MN5202MYC                           | 1          | A/D CONVERTER, 12-BIT, -10V TO +10V INTERNAL REFERENCE                         | Spectrum (Worc  | 50507     |
| 5962-8958305XC                          | MN5202MXC                           | 1          | A/D CONVERTER, 12-BIT, -10V TO +10V INTERNAL REFERENCE                         | Spectrum (Worc  | 50507     |
| 5962-8958305XA                          | MN5202MXA                           | 1          | A/D CONVERTER, 12-BIT, -10V TO +10V INTERNAL REFERENCE                         | Spectrum (Worc  | 50507     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description   | Approved Source | CAGE Code |
| 5962-8958306XC                          | MN5205MXC                           | 1          | A/D CONVERTER, 12-BIT, -10V TO +10V EXTERNAL REFERENCE             | Spectrum (Worc  | 50507     |
| 5962-8958306YC                          | MN5205MYC                           | 1          | A/D CONVERTER, 12-BIT, -10V TO +10V EXTERNAL REFERENCE             | Spectrum (Worc  | 50507     |
| 5962-8958306XA                          | MN5205MXA                           | 1          | A/D CONVERTER, 12-BIT, -10V TO +10V EXTERNAL REFERENCE             | Spectrum (Worc  | 50507     |
| 5962-8958306YA                          | MN5205MYA                           | 1          | A/D CONVERTER, 12-BIT, -10V TO +10V EXTERNAL REFERENCE             | Spectrum (Worc  | 50507     |
| 5962-8958307YC                          | MN5206MYC                           | 1          | A/D CONVERTER, 12-BIT, 0V TO 10V INTERNAL REFERENCE                | Spectrum (Worc  | 50507     |
| 5962-8958307YA                          | MN5206MYA                           | 1          | A/D CONVERTER, 12-BIT, 0V TO 10V INTERNAL REFERENCE                | Spectrum (Worc  | 50507     |
| 5962-8958307XC                          | MN5206MXC                           | 1          | A/D CONVERTER, 12-BIT, 0V TO 10V INTERNAL REFERENCE                | Spectrum (Worc  | 50507     |
| 5962-8958307XA                          | MN5206MXA                           | 1          | A/D CONVERTER, 12-BIT, 0V TO 10V INTERNAL REFERENCE                | Spectrum (Worc  | 50507     |
| 5962-8958402YC                          | MN5213MYC                           | 1          | A/D CONVERTER, 12-BIT, HIGH-SPEED, 0V TO -10V EXTERNAL REFERENCE   | Spectrum (Worc  | 50507     |
| 5962-8958402YA                          | MN5213MYA                           | 1          | A/D CONVERTER, 12-BIT, HIGH-SPEED, 0V TO -10V EXTERNAL REFERENCE   | Spectrum (Worc  | 50507     |
| 5962-8958403XA                          | MN5211MXA                           | 1          | A/D CONVERTER, 12-BIT, HIGH-SPEED, -5V TO +5V INTERNAL REFERENCE   | Spectrum (Worc  | 50507     |
| 5962-8958403YA                          | MN5211MYA                           | 1          | A/D CONVERTER, 12-BIT, HIGH-SPEED, -5V TO +5V INTERNAL REFERENCE   | Spectrum (Worc  | 50507     |
| 5962-8958403YC                          | MN5211MYC                           | 1          | A/D CONVERTER, 12-BIT, HIGH-SPEED, -5V TO +5V INTERNAL REFERENCE   | Spectrum (Worc  | 50507     |
| 5962-8958403XC                          | MN5211MXC                           | 1          | A/D CONVERTER, 12-BIT, HIGH-SPEED, -5V TO +5V INTERNAL REFERENCE   | Spectrum (Worc  | 50507     |
| 5962-8958404XC                          | MN5214MXC                           | 1          | A/D CONVERTER, 12-BIT, HIGH-SPEED, -5V TO +5V EXTERNAL REFERENCE   | Spectrum (Worc  | 50507     |
| 5962-8958404XA                          | MN5214MXA                           | 1          | A/D CONVERTER, 12-BIT, HIGH-SPEED, -5V TO +5V EXTERNAL REFERENCE   | Spectrum (Worc  | 50507     |
| 5962-8958404YC                          | MN5214MYC                           | 1          | A/D CONVERTER, 12-BIT, HIGH-SPEED, -5V TO +5V EXTERNAL REFERENCE   | Spectrum (Worc  | 50507     |
| 5962-8958404YA                          | MN5214MYA                           | 1          | A/D CONVERTER, 12-BIT, HIGH-SPEED, -5V TO +5V EXTERNAL REFERENCE   | Spectrum (Worc  | 50507     |
| 5962-8958405YC                          | MN5212MYC                           | 1          | A/D CONVERTER, 12-BIT, HIGH-SPEED, -10V TO +10V INTERNAL REFERENCE | Spectrum (Worc  | 50507     |
| 5962-8958405YA                          | MN5212MYA                           | 1          | A/D CONVERTER, 12-BIT, HIGH-SPEED, -10V TO +10V INTERNAL REFERENCE | Spectrum (Worc  | 50507     |
| 5962-8958405XC                          | MN5212MXC                           | 1          | A/D CONVERTER, 12-BIT, HIGH-SPEED, -10V TO +10V INTERNAL REFERENCE | Spectrum (Worc  | 50507     |
| 5962-8958405XA                          | MN5212MXA                           | 1          | A/D CONVERTER, 12-BIT, HIGH-SPEED, -10V TO +10V INTERNAL REFERENCE | Spectrum (Worc  | 50507     |
| 5962-8958406YC                          | MN5215MYC                           | 1          | A/D CONVERTER, 12-BIT, HIGH-SPEED, -10V TO +10V EXTERNAL REFERENCE | Spectrum (Worc  | 50507     |
| 5962-8958406XC                          | MN5215MXC                           | 1          | A/D CONVERTER, 12-BIT, HIGH-SPEED, -10V TO +10V EXTERNAL REFERENCE | Spectrum (Worc  | 50507     |
| 5962-8958406XA                          | MN5215MXA                           | 1          | A/D CONVERTER, 12-BIT, HIGH-SPEED, -10V TO +10V EXTERNAL REFERENCE | Spectrum (Worc  | 50507     |
| 5962-8958406YA                          | MN5215MYA                           | 1          | A/D CONVERTER, 12-BIT, HIGH-SPEED, -10V TO +10V EXTERNAL REFERENCE | Spectrum (Worc  | 50507     |
| 5962-8958407XA                          | MN5216MXA                           | 1          | A/D CONVERTER, 12-BIT, HIGH-SPEED, 0V TO 10V INTERNAL REFERENCE    | Spectrum (Worc  | 50507     |
| 5962-8958407YC                          | MN5216MYC                           | 1          | A/D CONVERTER, 12-BIT, HIGH-SPEED, 0V TO 10V INTERNAL REFERENCE    | Spectrum (Worc  | 50507     |
| 5962-8958407XC                          | MN5216MXC                           | 1          | A/D CONVERTER, 12-BIT, HIGH-SPEED, 0V TO 10V INTERNAL REFERENCE    | Spectrum (Worc  | 50507     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description   | Approved Source | CAGE Code |
| 5962-8958407YA                          | MN5216MYA                           | 1          | A/D CONVERTER, 12-BIT, HIGH-SPEED, 0V TO 10V INTERNAL REFERENCE                | Spectrum (Worc  | 50507     |
| 5962-8959207YC                          | ACT4406N-201-1                      | 1          | DRIVER-RECEIVER, SINGLE CHANNEL (UNIVERSAL TRANSCEIVER), RECEIVER STANDBY HIGH | Aeroflex        | 88379     |
| 5962-8959207XC                          | ACT4406N-001-1                      | 1          | DRIVER-RECEIVER, SINGLE CHANNEL (UNIVERSAL TRANSCEIVER), RECEIVER STANDBY HIGH | Aeroflex        | 88379     |
| 5962-8959207XA                          | ACT4406N-001-2                      | 1          | DRIVER-RECEIVER, SINGLE CHANNEL (UNIVERSAL TRANSCEIVER), RECEIVER STANDBY HIGH | Aeroflex        | 88379     |
| 5962-8959207YA                          | ACT4406N-201-2                      | 1          | DRIVER-RECEIVER, SINGLE CHANNEL (UNIVERSAL TRANSCEIVER), RECEIVER STANDBY HIGH | Aeroflex        | 88379     |
| 5962-8959208XC                          | ACT4404N-001-1                      | 1          | DRIVER-RECEIVER, SINGLE CHANNEL (UNIVERSAL TRANSCEIVER), RECEIVER STANDBY LOW  | Aeroflex        | 88379     |
| 5962-8959208YA                          | ACT4404N-201-2                      | 1          | DRIVER-RECEIVER, SINGLE CHANNEL (UNIVERSAL TRANSCEIVER), RECEIVER STANDBY LOW  | Aeroflex        | 88379     |
| 5962-8959208YC                          | ACT4404N-201-1                      | 1          | DRIVER-RECEIVER, SINGLE CHANNEL (UNIVERSAL TRANSCEIVER), RECEIVER STANDBY LOW  | Aeroflex        | 88379     |
| 5962-8959208XA                          | ACT4404N-001-2                      | 1          | DRIVER-RECEIVER, SINGLE CHANNEL (UNIVERSAL TRANSCEIVER), RECEIVER STANDBY LOW  | Aeroflex        | 88379     |
| 5962-8968301HZA                         | AHE2805SF/CH                        | 1          | DC/DC CONVERTER, 5-VOLT, SINGLE CHANNEL  | IR Santa Clara  | 52467     |
| 5962-8968301HXA                         | AHE2805S/CH                         | 1          | DC/DC CONVERTER, 5-VOLT, SINGLE CHANNEL  | IR Santa Clara  | 52467     |
| 5962-8968302HZA                         | AHE2805SF/CH-SLV                    | 1          | DC/DC CONVERTER, 5-VOLT, SINGLE CHANNEL  | IR Santa Clara  | 52467     |
| 5962-8968302HXA                         | AHE2805S/CH-SLV                     | 1          | DC/DC CONVERTER, 5-VOLT, SINGLE CHANNEL  | IR Santa Clara  | 52467     |
| 5962-8968303HZA                         | AHE2805SF/CH-MSTR                   | 1          | DC/DC CONVERTER, 5-VOLT, SINGLE CHANNEL  | IR Santa Clara  | 52467     |
| 5962-8968303HXA                         | AHE2805S/CH-MSTR                    | 1          | DC/DC CONVERTER, 5-VOLT, SINGLE CHANNEL  | IR Santa Clara  | 52467     |
| 5962-8971801XC                          | MN3020MXC                           | 1          | D/A CONVERTER, 8-BIT, WITH INPUT REGISTER                                      | Spectrum (Worc  | 50507     |
| 5962-8971801XA                          | MN3020MXA                           | 1          | D/A CONVERTER, 8-BIT, WITH INPUT REGISTER                                      | Spectrum (Worc  | 50507     |
| 5962-8978501XC                          | 66071-001                           | 1          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS   | Micropac        | 31757     |
| 5962-8978501XA                          | 66071-001                           | 1          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS   | Micropac        | 31757     |
| 5962-8978501YA                          | HCPL-5731#100                       | 3          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS   | Avago           | 50434     |
| 5962-8978501PC                          | 66058-003                           | 1          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS   | Micropac        | 31757     |
| 5962-8978501PA                          | 66058-003                           | 1          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS   | Micropac        | 31757     |
| 5962-8978501YC                          | HCPL-5731#100                       | 3          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS   | Avago           | 50434     |
| 5962-8978501PC                          | HCPL-5731                           | 3          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS   | Avago           | 50434     |
| 5962-8978501PA                          | HCPL-5731#200                       | 3          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS   | Avago           | 50434     |
| 5962-8978501ZA                          | HCPL-5731#300                       | 3          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS   | Avago           | 50434     |
| 5962-89785022A                          | HCPL-6731                           | 2          | OPTOCOUPLER, DUAL-CHANNEL, WITH SEPARATE SUPPLY VOLTAGE AND GROUND CONNECTIONS | Avago           | 50434     |
| 5962-89785022C                          | 66124-001                           | 1          | OPTOCOUPLER, DUAL-CHANNEL, WITH SEPARATE SUPPLY VOLTAGE AND GROUND CONNECTIONS | Micropac        | 31757     |
| 5962-89785022A                          | 66124-001                           | 1          | OPTOCOUPLER, DUAL-CHANNEL, WITH SEPARATE SUPPLY VOLTAGE AND GROUND CONNECTIONS | Micropac        | 31757     |
| 5962-8978503KPC                         | HCPL-573K                           | 3          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS   | Avago           | 50434     |
| 5962-8978503KPA                         | HCPL-573K#200                       | 3          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS   | Avago           | 50434     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description   | Approved Source | CAGE Code |
| 5962-8978503KYC                         | HCPL-573K#100                       | 3          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS   | Avago           | 50434     |
| 5962-8978503KPA                         | 66058-300                           | 1          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS   | Micropac        | 31757     |
| 5962-8978503KPC                         | 66058-300                           | 1          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS   | Micropac        | 31757     |
| 5962-8978503KZA                         | HCPL-573K#300                       | 3          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS   | Avago           | 50434     |
| 5962-8978503KYA                         | HCPL-573K#100                       | 3          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS   | Avago           | 50434     |
| 5962-8978504K2C                         | 66124-300                           | 1          | OPTOCOUPLER, DUAL-CHANNEL, WITH SEPARATE SUPPLY VOLTAGE AND GROUND CONNECTIONS | Micropac        | 31757     |
| 5962-8978504K2A                         | 66124-300                           | 1          | OPTOCOUPLER, DUAL-CHANNEL, WITH SEPARATE SUPPLY VOLTAGE AND GROUND CONNECTIONS | Micropac        | 31757     |
| 5962-8978504K2A                         | HCPL-673K                           | 3          | OPTOCOUPLER, DUAL-CHANNEL, WITH SEPARATE SUPPLY VOLTAGE AND GROUND CONNECTIONS | Avago           | 50434     |
| 5962-8978505KXC                         | 66071-300                           | 1          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS   | Micropac        | 31757     |
| 5962-8978505KXA                         | 66071-300                           | 1          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS   | Micropac        | 31757     |
| 5962-89785062C                          | 66124-004                           | 1          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS   | Micropac        | 31757     |
| 5962-8979803YC                          | CT2542-FP                           | 1          | REMOTE TERMINAL UNIT, DUAL REDUNDANT   | Aeroflex        | 88379     |
| 5962-8979803XA                          | CT2542                              | 1          | REMOTE TERMINAL UNIT, DUAL REDUNDANT   | Aeroflex        | 88379     |
| 5962-8979803XC                          | CT2542                              | 1          | REMOTE TERMINAL UNIT, DUAL REDUNDANT   | Aeroflex        | 88379     |
| 5962-8979803YA                          | CT2542-FP                           | 1          | REMOTE TERMINAL UNIT, DUAL REDUNDANT   | Aeroflex        | 88379     |
| 5962-8979804YA                          | CT2543-FP                           | 1          | REMOTE TERMINAL UNIT, DUAL REDUNDANT   | Aeroflex        | 88379     |
| 5962-8979804XA                          | CT2543                              | 1          | REMOTE TERMINAL UNIT, DUAL REDUNDANT   | Aeroflex        | 88379     |
| 5962-8979804YC                          | CT2543-FP                           | 1          | REMOTE TERMINAL UNIT, DUAL REDUNDANT   | Aeroflex        | 88379     |
| 5962-8979804XC                          | CT2543                              | 1          | REMOTE TERMINAL UNIT, DUAL REDUNDANT   | Aeroflex        | 88379     |
| 5962-8979808ZA                          | BU-63705F1-150                      | 1          | REMOTE TERMINAL UNIT, DUAL REDUNDANT   | DDC             | 19645     |
| 5962-8979808TA                          | BU-63705D1-140                      | 1          | REMOTE TERMINAL UNIT, DUAL REDUNDANT   | DDC             | 19645     |
| 5962-8979808TA                          | BU-63705D1-150                      | 1          | REMOTE TERMINAL UNIT, DUAL REDUNDANT   | DDC             | 19645     |
| 5962-8979808ZC                          | BU-63705F1-110                      | 1          | REMOTE TERMINAL UNIT, DUAL REDUNDANT   | DDC             | 19645     |
| 5962-8979808ZC                          | BU-63705F1-130                      | 1          | REMOTE TERMINAL UNIT, DUAL REDUNDANT   | DDC             | 19645     |
| 5962-8979808TC                          | BU-63705D1-130                      | 1          | REMOTE TERMINAL UNIT, DUAL REDUNDANT   | DDC             | 19645     |
| 5962-8979808ZA                          | BU-63705F1-140                      | 1          | REMOTE TERMINAL UNIT, DUAL REDUNDANT   | DDC             | 19645     |
| 5962-8979808TC                          | BU-63705D1-110                      | 1          | REMOTE TERMINAL UNIT, DUAL REDUNDANT   | DDC             | 19645     |
| 5962-8979809ZC                          | BU-63705F2-130                      | 1          | REMOTE TERMINAL UNIT, DUAL REDUNDANT   | DDC             | 19645     |
| 5962-8979809ZA                          | BU-63705F2-140                      | 1          | REMOTE TERMINAL UNIT, DUAL REDUNDANT   | DDC             | 19645     |
| 5962-8979809TA                          | BU-63705D2-150                      | 1          | REMOTE TERMINAL UNIT, DUAL REDUNDANT   | DDC             | 19645     |
| 5962-8979809TA                          | BU-63705D2-140                      | 1          | REMOTE TERMINAL UNIT, DUAL REDUNDANT   | DDC             | 19645     |
| 5962-8979809TC                          | BU-63705D2-130                      | 1          | REMOTE TERMINAL UNIT, DUAL REDUNDANT   | DDC             | 19645     |
| 5962-8979809TC                          | BU-63705D2-110                      | 1          | REMOTE TERMINAL UNIT, DUAL REDUNDANT   | DDC             | 19645     |
| 5962-8979809ZA                          | BU-63705F2-150                      | 1          | REMOTE TERMINAL UNIT, DUAL REDUNDANT   | DDC             | 19645     |
| 5962-8979809ZC                          | BU-63705F2-110                      | 1          | REMOTE TERMINAL UNIT, DUAL REDUNDANT   | DDC             | 19645     |
| 5962-8979901XA                          | FC155391                            | 1          | DRIVER-RECEIVER, LOW-POWER   | C-MAC           | U4388     |
| 5962-8979901XC                          | FC155391                            | 1          | DRIVER-RECEIVER, LOW-POWER   | C-MAC           | U4388     |
| 5962-8979902XA                          | FC155392                            | 1          | DRIVER-RECEIVER, LOW-POWER   | C-MAC           | U4388     |
| 5962-8979902XC                          | FC155392                            | 1          | DRIVER-RECEIVER, LOW-POWER   | C-MAC           | U4388     |

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |   |                 |           |
|---|-------------------------------------|------------|---|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                            | Approved Source | CAGE Code |
| 5962-8981001PC                          | 66058-105                           | 1          | OPTOCOUPLER, SINGLE-CHANNEL, HIGH-GAIN              | Micropac        | 31757     |
| 5962-8981001PA                          | 66058-105                           | 1          | OPTOCOUPLER, SINGLE-CHANNEL, HIGH-GAIN              | Micropac        | 31757     |
| 5962-8981001PC                          | HCPL-5701                           | 2          | OPTOCOUPLER, SINGLE-CHANNEL, HIGH-GAIN              | Avago           | 50434     |
| 5962-8981001YA                          | HCPL-5701#100                       | 2          | OPTOCOUPLER, SINGLE-CHANNEL, HIGH-GAIN              | Avago           | 50434     |
| 5962-8981001YC                          | HCPL-5701#100                       | 2          | OPTOCOUPLER, SINGLE-CHANNEL, HIGH-GAIN              | Avago           | 50434     |
| 5962-8981001PA                          | HCPL-5701#200                       | 2          | OPTOCOUPLER, SINGLE-CHANNEL, HIGH-GAIN              | Avago           | 50434     |
| 5962-8981001XA                          | HCPL-5701#300                       | 2          | OPTOCOUPLER, SINGLE-CHANNEL, HIGH-GAIN              | Avago           | 50434     |
| 5962-8981002KYC                         | HCPL-570K#100                       | 2          | OPTOCOUPLER, SINGLE-CHANNEL, HIGH-GAIN              | Avago           | 50434     |
| 5962-8981002KXA                         | HCPL-570K#300                       | 2          | OPTOCOUPLER, SINGLE-CHANNEL, HIGH-GAIN              | Avago           | 50434     |
| 5962-8981002KPA                         | 66058-300                           | 1          | OPTOCOUPLER, SINGLE-CHANNEL, HIGH-GAIN              | Micropac        | 31757     |
| 5962-8981002KPA                         | HCPL-570K#200                       | 2          | OPTOCOUPLER, SINGLE-CHANNEL, HIGH-GAIN              | Avago           | 50434     |
| 5962-8981002KPC                         | 66058-300                           | 1          | OPTOCOUPLER, SINGLE-CHANNEL, HIGH-GAIN              | Micropac        | 31757     |
| 5962-8981002KYA                         | HCPL-570K#100                       | 2          | OPTOCOUPLER, SINGLE-CHANNEL, HIGH-GAIN              | Avago           | 50434     |
| 5962-8981002KPC                         | HCPL-570K                           | 2          | OPTOCOUPLER, SINGLE-CHANNEL, HIGH-GAIN              | Avago           | 50434     |
| 5962-8981301GA                          | MSK437B                             | 1          | OP AMP, WIDEBAND                                    | MSK             | 51651     |
| 5962-8981301GC                          | MSK437B                             | 1          | OP AMP, WIDEBAND                                    | MSK             | 51651     |
| 5962-8981302GC                          | MSK438B                             | 1          | OP AMP, WIDE BAND                                   | MSK             | 51651     |
| 5962-8981302GA                          | MSK438B                             | 1          | OP AMP, WIDE BAND                                   | MSK             | 51651     |
| 5962-8982601XC                          | BUS-63127II                         | 1          | DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER            | DDC             | 19645     |
| 5962-8982601XA                          | BUS-63127II                         | 1          | DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER            | DDC             | 19645     |
| 5962-8982601YA                          | BUS-63128II                         | 1          | DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER            | DDC             | 19645     |
| 5962-8982601YC                          | BUS-63128II                         | 1          | DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER            | DDC             | 19645     |
| 5962-8982602YA                          | ARX3419FP                           | 1          | DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER            | Aeroflex        | 88379     |
| 5962-8982602XA                          | ARX3419                             | 1          | DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER            | Aeroflex        | 88379     |
| 5962-8982602YC                          | ARX3419FP                           | 1          | DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER            | Aeroflex        | 88379     |
| 5962-8982602XC                          | ARX3419                             | 1          | DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER            | Aeroflex        | 88379     |
| 5962-8982605YA                          | FC1553721FP                         | 1          | DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER            | C-MAC           | U4388     |
| 5962-8982605YC                          | FC1553721FP                         | 1          | DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER            | C-MAC           | U4388     |
| 5962-8982605XA                          | FC1553721                           | 1          | DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER            | C-MAC           | U4388     |
| 5962-8982605XC                          | FC1553721                           | 1          | DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER            | C-MAC           | U4388     |
| 5962-8982607YC                          | FC1553722FP                         | 1          | DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER            | C-MAC           | U4388     |
| 5962-8982607YA                          | FC1553722FP                         | 1          | DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER            | C-MAC           | U4388     |
| 5962-8982607XC                          | FC1553722                           | 1          | DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER            | C-MAC           | U4388     |
| 5962-8982607XA                          | FC1553722                           | 1          | DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER            | C-MAC           | U4388     |
| 5962-8982608XA                          | FC1553726                           | 1          | DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER            | C-MAC           | U4388     |
| 5962-8982608XC                          | FC1553726                           | 1          | DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER            | C-MAC           | U4388     |
| 5962-8982608YC                          | FC1553726FP                         | 1          | DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER            | C-MAC           | U4388     |
| 5962-8982608YA                          | FC1553726FP                         | 1          | DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER            | C-MAC           | U4388     |
| 5962-8982609UA                          | ACT3433-001-2                       | 1          | DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER            | Aeroflex        | 88379     |
| 5962-8982609ZC                          | ACT3433-201-1                       | 1          | DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER            | Aeroflex        | 88379     |
| 5962-8982609ZA                          | ACT3433-201-2                       | 1          | DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER            | Aeroflex        | 88379     |
| 5962-8982609UC                          | ACT3433-001-1                       | 1          | DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER            | Aeroflex        | 88379     |
| 5962-8990801XC                          | SDC-14565-114                       | 1          | R/D CONVERTER, 11.8 V, 400 HZ, 2.0 MINUTES ACCURACY | DDC             | 19645     |
| 5962-8990801XA                          | SDC-14565-144                       | 1          | R/D CONVERTER, 11.8 V, 400 HZ, 2.0 MINUTES ACCURACY | DDC             | 19645     |
| 5962-8990802XA                          | SDC-14565-145                       | 1          | R/D CONVERTER, 11.8 V, 400 HZ, 1.0 MINUTE ACCURACY  | DDC             | 19645     |
| 5962-8990802XC                          | SDC-14565-115                       | 1          | R/D CONVERTER, 11.8 V, 400 HZ, 1.0 MINUTE ACCURACY  | DDC             | 19645     |
| 5962-8990803XC                          | SDC-14565-616                       | 1          | R/D CONVERTER, 11.8 V, 400 HZ, 2.0 MINUTES ACCURACY | DDC             | 19645     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description   | Approved Source | CAGE Code |
| 5962-8990804XA                          | SDC-14566-145                       | 1          | R/D CONVERTER, 11.8 V, 400 HZ, TRIMMED VELOCITY, 1.0 MINUTE ACCURACY P | DDC             | 19645     |
| 5962-8990804XC                          | SDC-14566-115                       | 1          | R/D CONVERTER, 11.8 V, 400 HZ, TRIMMED VELOCITY, 1.0 MINUTE ACCURACY P | DDC             | 19645     |
| 5962-8990809XC                          | SDC-14565-602                       | 1          | R/D CONVERTER, 11.8 V, 2.4 KHZ, 1.0 MINUTES ACCURACY                   | DDC             | 19645     |
| 5962-8990810XC                          | SDC-14565-603                       | 1          | R/D CONVERTER, 11.8 V, 2.4 KHZ, 2.0 MINUTES ACCURACY                   | DDC             | 19645     |
| 5962-8990811XA                          | SDC-14565-142                       | 1          | R/D CONVERTER, 11.8 V, 2.4 KHZ, 4.0 MINUTES ACCURACY                   | DDC             | 19645     |
| 5962-8990811XC                          | SDC-14565-112                       | 1          | R/D CONVERTER, 11.8 V, 2.4 KHZ, 4.0 MINUTES ACCURACY                   | DDC             | 19645     |
| 5962-8990812XC                          | SDC-14566-112                       | 1          | R/D CONVERTER, TRIMMED VELOCITY, 11.8 V, 2.4 KHZ, 4.0 MINUTES ACCURACY | DDC             | 19645     |
| 5962-8990812XA                          | SDC-14566-142                       | 1          | R/D CONVERTER, TRIMMED VELOCITY, 11.8 V, 2.4 KHZ, 4.0 MINUTES ACCURACY | DDC             | 19645     |
| 5962-8990813XC                          | SDC-14566-114                       | 1          | R/D CONVERTER, TRIMMED VELOCITY, 11.8 V, 2.4 KHZ, 2.0 MINUTES ACCURACY | DDC             | 19645     |
| 5962-8990813XA                          | SDC-14566-144                       | 1          | R/D CONVERTER, TRIMMED VELOCITY, 11.8 V, 2.4 KHZ, 2.0 MINUTES ACCURACY | DDC             | 19645     |
| 5962-8994002HXC                         | MN346MXC                            | 1          | SAMPLE AND HOLD AMPLIFIER, HIGH-SPEED                                  | Spectrum (Worc  | 50507     |
| 5962-8994002HXA                         | MN346MXA                            | 1          | SAMPLE AND HOLD AMPLIFIER, HIGH-SPEED                                  | Spectrum (Worc  | 50507     |
| 5962-8998601HXA                         | DSC-11520-142                       | 1          | DIGITAL-TO-SYNCHRO/DIGITAL-TO-RESOLVER CONVERTER, 16-BIT               | DDC             | 19645     |
| 5962-8998601HXC                         | DSC-11520-112                       | 1          | DIGITAL-TO-SYNCHRO/DIGITAL-TO-RESOLVER CONVERTER, 16-BIT               | DDC             | 19645     |
| 5962-8998602HXA                         | DSC-11520-143                       | 1          | DIGITAL-TO-SYNCHRO/DIGITAL-TO-RESOLVER CONVERTER, 16-BIT               | DDC             | 19645     |
| 5962-8998602HXC                         | DSC-11520-113                       | 1          | DIGITAL-TO-SYNCHRO/DIGITAL-TO-RESOLVER CONVERTER, 16-BIT               | DDC             | 19645     |
| 5962-8998603HXC                         | DSC-11520-114                       | 1          | DIGITAL-TO-SYNCHRO/DIGITAL-TO-RESOLVER CONVERTER, 16-BIT               | DDC             | 19645     |
| 5962-8998603HXA                         | DSC-11520-144                       | 1          | DIGITAL-TO-SYNCHRO/DIGITAL-TO-RESOLVER CONVERTER, 16-BIT               | DDC             | 19645     |
| 5962-8998604HXA                         | DSC-11520-145                       | 1          | DIGITAL-TO-SYNCHRO/DIGITAL-TO-RESOLVER CONVERTER, 16-BIT               | DDC             | 19645     |
| 5962-8998604HXC                         | DSC-11520-115                       | 1          | DIGITAL-TO-SYNCHRO/DIGITAL-TO-RESOLVER CONVERTER, 16-BIT               | DDC             | 19645     |
| 5962-9049701HXC                         | MN5140MXC                           | 1          | A/D CONVERTER, 8-BIT, 0 TO -10V INPUT RANGE                            | Spectrum (Worc  | 50507     |
| 5962-9049701HXA                         | MN5140MXA                           | 1          | A/D CONVERTER, 8-BIT, 0 TO -10V INPUT RANGE                            | Spectrum (Worc  | 50507     |
| 5962-9049702HXC                         | MN5141MXC                           | 1          | A/D CONVERTER, 8-BIT, ±5V INPUT RANGE                                  | Spectrum (Worc  | 50507     |
| 5962-9049702HXA                         | MN5141MXA                           | 1          | A/D CONVERTER, 8-BIT, ±5V INPUT RANGE                                  | Spectrum (Worc  | 50507     |
| 5962-9049703HXC                         | MN5142MXC                           | 1          | A/D CONVERTER, 8-BIT, ±10V INPUT RANGE                                 | Spectrum (Worc  | 50507     |
| 5962-9049703HXA                         | MN5142MXA                           | 1          | A/D CONVERTER, 8-BIT, ±10V INPUT RANGE                                 | Spectrum (Worc  | 50507     |
| 5962-9049704HXA                         | MN5143MXA                           | 1          | A/D CONVERTER, 8-BIT, 0 TO +10V INPUT RANGE                            | Spectrum (Worc  | 50507     |
| 5962-9049704HXC                         | MN5143MXC                           | 1          | A/D CONVERTER, 8-BIT, 0 TO +10V INPUT RANGE                            | Spectrum (Worc  | 50507     |
| 5962-9050001HXC                         | MSK1461B                            | 1          | OP AMP, FET-INPUT, HIGH-SPEED  | MSK             | 51651     |
| 5962-9050001HXA                         | MSK1461B                            | 1          | OP AMP, FET-INPUT, HIGH-SPEED  | MSK             | 51651     |
| 5962-9055101XC                          | SDC-14567-111                       | 1          | DR/D CONVERTER, 1.0V, 400 HZ   | DDC             | 19645     |
| 5962-9055101XA                          | SDC-14567-141                       | 1          | DR/D CONVERTER, 1.0V, 400 HZ   | DDC             | 19645     |
| 5962-9055102XA                          | SDC-14567-142                       | 1          | DR/D CONVERTER, 1.0 V, 400 HZ  | DDC             | 19645     |
| 5962-9055102XC                          | SDC-14567-112                       | 1          | DR/D CONVERTER, 1.0 V, 400 HZ  | DDC             | 19645     |
| 5962-9055103XC                          | SDC-14567-114                       | 1          | DR/D CONVERTER, 1.0 V, 400 HZ  | DDC             | 19645     |
| 5962-9055103XA                          | SDC-14567-144                       | 1          | DR/D CONVERTER, 1.0 V, 400 HZ  | DDC             | 19645     |
| 5962-9055104XC                          | SDC-14567-115                       | 1          | DR/D CONVERTER, 1.0 V, 400 HZ  | DDC             | 19645     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |   |                 |           |
|---|-------------------------------------|------------|---|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description  | Approved Source | CAGE Code |
| 5962-9055104XA                          | SDC-14567-145                       | 1          | DR/D CONVERTER, 1.0 V, 400 HZ   | DDC             | 19645     |
| 5962-9055105XA                          | SDC-14569-141                       | 1          | DR/D CONVERTER, 1.0 V, 400 HZ, TRIMMED VELOCITY                                 | DDC             | 19645     |
| 5962-9055105XC                          | SDC-14569-111                       | 1          | DR/D CONVERTER, 1.0 V, 400 HZ, TRIMMED VELOCITY                                 | DDC             | 19645     |
| 5962-9055106XA                          | SDC-14569-142                       | 1          | DR/D CONVERTER, 1.0 V, 400 HZ, TRIMMED VELOCITY                                 | DDC             | 19645     |
| 5962-9055106XC                          | SDC-14569-112                       | 1          | DR/D CONVERTER, 1.0 V, 400 HZ, TRIMMED VELOCITY                                 | DDC             | 19645     |
| 5962-9055107XC                          | SDC-14569-114                       | 1          | DR/D CONVERTER, 1.0 V, 400 HZ, TRIMMED VELOCITY                                 | DDC             | 19645     |
| 5962-9055107XA                          | SDC-14569-144                       | 1          | DR/D CONVERTER, 1.0 V, 400 HZ, TRIMMED VELOCITY                                 | DDC             | 19645     |
| 5962-9055108XA                          | SDC-14569-145                       | 1          | DR/D CONVERTER, 1.0 V, 400 HZ, TRIMMED VELOCITY                                 | DDC             | 19645     |
| 5962-9055108XC                          | SDC-14569-115                       | 1          | DR/D CONVERTER, 1.0 V, 400 HZ, TRIMMED VELOCITY                                 | DDC             | 19645     |
| 5962-9057001HXA                         | MN3860MXA                           | 1          | D/A CONVERTER, 12-BIT, WITH INPUT REGISTER                                      | Spectrum (Worc  | 50507     |
| 5962-9057001HXC                         | MN3860MXC                           | 1          | D/A CONVERTER, 12-BIT, WITH INPUT REGISTER                                      | Spectrum (Worc  | 50507     |
| 5962-9063601HYA                         | CT1820-201-2                        | 1          | BIT PROCESSOR, MIL-STD-1553 DATA TERMINAL                                       | Aeroflex        | 88379     |
| 5962-9063601HYC                         | CT1820-201-1                        | 1          | BIT PROCESSOR, MIL-STD-1553 DATA TERMINAL                                       | Aeroflex        | 88379     |
| 5962-9063601HXA                         | CT1820-001-2                        | 1          | BIT PROCESSOR, MIL-STD-1553 DATA TERMINAL                                       | Aeroflex        | 88379     |
| 5962-9063601HXC                         | CT1820-001-1                        | 1          | BIT PROCESSOR, MIL-STD-1553 DATA TERMINAL                                       | Aeroflex        | 88379     |
| 5962-9063602HYA                         | CT1820-2-201-2                      | 1          | BIT PROCESSOR, MIL-STD-1553 DATA TERMINAL, WITH HIGH DATA BUS DRIVER CAPABILITY | Aeroflex        | 88379     |
| 5962-9063602HYC                         | CT1820-2-201-1                      | 1          | BIT PROCESSOR, MIL-STD-1553 DATA TERMINAL, WITH HIGH DATA BUS DRIVER CAPABILITY | Aeroflex        | 88379     |
| 5962-9063602HXA                         | CT1820-2-001-2                      | 1          | BIT PROCESSOR, MIL-STD-1553 DATA TERMINAL, WITH HIGH DATA BUS DRIVER CAPABILITY | Aeroflex        | 88379     |
| 5962-9063602HXC                         | CT1820-2-001-1                      | 1          | BIT PROCESSOR, MIL-STD-1553 DATA TERMINAL, WITH HIGH DATA BUS DRIVER CAPABILITY | Aeroflex        | 88379     |
| 5962-9063801HXA                         | PA07M/883                           | 1          | OP AMP, POWER   | Cirrus          | 60024     |
| 5962-9065901HXA                         | PA12M/883                           | 1          | OP AMP, POWER   | Cirrus          | 60024     |
| 5962-9065901HXA                         | MIOP42109/883                       | 1          | OP AMP, POWER   | Micropac        | 31757     |
| 5962-9065901HXC                         | MIOP42109/883                       | 1          | OP AMP, POWER   | Micropac        | 31757     |
| 5962-9067901HXA                         | PA02M/883                           | 1          | OP AMP, POWER   | Cirrus          | 60024     |
| 5962-9072301HXA                         | PA08M/883                           | 1          | OP AMP, POWER   | Cirrus          | 60024     |
| 5962-9073601HXA                         | PA84M/883                           | 1          | OP AMP, HIGH-VOLTAGE  | Cirrus          | 60024     |
| 5962-9076001HXC                         | DSC-10510-113                       | 1          | D/S CONVERTER, 16-BIT, 7 VOLT-AMP OUTPUT DRIVE, ±4 MINUTES ACCURACY             | DDC             | 19645     |
| 5962-9076001HXA                         | DSC-10510-143                       | 1          | D/S CONVERTER, 16-BIT, 7 VOLT-AMP OUTPUT DRIVE, ±4 MINUTES ACCURACY             | DDC             | 19645     |
| 5962-9076002HXC                         | DSC-10510-114                       | 1          | D/S CONVERTER, 16-BIT, 7 VOLT-AMP OUTPUT DRIVE, ±2 MINUTES ACCURACY             | DDC             | 19645     |
| 5962-9076002HXA                         | DSC-10510-144                       | 1          | D/S CONVERTER, 16-BIT, 7 VOLT-AMP OUTPUT DRIVE, ±2 MINUTES ACCURACY             | DDC             | 19645     |
| 5962-9082001HXC                         | SD-14531-115                        | 1          | S-R/D CONVERTER, 11.8V, 400 HZ  | DDC             | 19645     |
| 5962-9082001HXA                         | SD-14531-145                        | 1          | S-R/D CONVERTER, 11.8V, 400 HZ  | DDC             | 19645     |
| 5962-9082006HXA                         | SD-14531D1-144                      | 1          | S-R/D CONVERTER, 11.8V, 400 HZ  | DDC             | 19645     |
| 5962-9082006HXC                         | SD-14531D1-114                      | 1          | S-R/D CONVERTER, 11.8V, 400 HZ  | DDC             | 19645     |
| 5962-9082007HXC                         | SD-14531D1-112                      | 1          | S-R/D CONVERTER, 11.8V, 400 HZ  | DDC             | 19645     |
| 5962-9082007HXA                         | SD-14531D1-142                      | 1          | S-R/D CONVERTER, 11.8V, 400 HZ  | DDC             | 19645     |
| 5962-9082801HXA                         | PA10M/883                           | 1 (1)      | OP AMP, POWER   | Cirrus          | 60024     |
| 5962-9082801HXC                         | MIOP42115/883                       | 1          | OP AMP, POWER   | Micropac        | 31757     |
| 5962-9082801HXA                         | MIOP42115/883                       | 1          | OP AMP, POWER   | Micropac        | 31757     |
| 5962-9082901HYC                         | FC155371SSW                         | 1          | DRIVER-RECEIVER, SINGLE CHANNEL (RECEIVER IDLE NORMALLY LOW)                    | C-MAC           | U4388     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |   |                 |           |
|---|-------------------------------------|------------|---|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                                      | Approved Source | CAGE Code |
| 5962-9082901HTC                         | FC155371FP                          | 1          | DRIVER-RECEIVER, SINGLE CHANNEL (RECEIVER IDLE NORMALLY LOW)  | C-MAC           | U4388     |
| 5962-9082901HXC                         | FC155371                            | 1          | DRIVER-RECEIVER, SINGLE CHANNEL (RECEIVER IDLE NORMALLY LOW)  | C-MAC           | U4388     |
| 5962-9082901HTA                         | FC155371FP                          | 1          | DRIVER-RECEIVER, SINGLE CHANNEL (RECEIVER IDLE NORMALLY LOW)  | C-MAC           | U4388     |
| 5962-9082901HYA                         | FC155371SSW                         | 1          | DRIVER-RECEIVER, SINGLE CHANNEL (RECEIVER IDLE NORMALLY LOW)  | C-MAC           | U4388     |
| 5962-9082901HXA                         | FC155371                            | 1          | DRIVER-RECEIVER, SINGLE CHANNEL (RECEIVER IDLE NORMALLY LOW)  | C-MAC           | U4388     |
| 5962-9082902HXC                         | FC155372                            | 1          | DRIVER-RECEIVER, SINGLE CHANNEL (RECEIVER IDLE NORMALLY HIGH) | C-MAC           | U4388     |
| 5962-9082902HXA                         | FC155372                            | 1          | DRIVER-RECEIVER, SINGLE CHANNEL (RECEIVER IDLE NORMALLY HIGH) | C-MAC           | U4388     |
| 5962-9082903HUC                         | ARX3420                             | 1          | DRIVER-RECEIVER, SINGLE CHANNEL (RECEIVER IDLE NORMALLY LOW)  | Aeroflex        | 88379     |
| 5962-9082903HUA                         | ARX3420                             | 1          | DRIVER-RECEIVER, SINGLE CHANNEL (RECEIVER IDLE NORMALLY LOW)  | Aeroflex        | 88379     |
| 5962-9082904HUA                         | ARX3424                             | 1          | DRIVER-RECEIVER, SINGLE CHANNEL (RECEIVER IDLE NORMALLY HIGH) | Aeroflex        | 88379     |
| 5962-9082904HUC                         | ARX3424                             | 1          | DRIVER-RECEIVER, SINGLE CHANNEL (RECEIVER IDLE NORMALLY HIGH) | Aeroflex        | 88379     |
| 5962-9083801HXC                         | MSK2541B                            | 1          | OP AMP, DUAL, HIGH-POWER                                      | MSK             | 51651     |
| 5962-9083801HXA                         | MSK2541B                            | 1          | OP AMP, DUAL, HIGH-POWER                                      | MSK             | 51651     |
| 5962-9083803HXC                         | MSK2541B                            | 1          | OP AMP, DUAL, HIGH-POWER                                      | MSK             | 51651     |
| 5962-9083803HXA                         | MSK2541B                            | 1          | OP AMP, DUAL, HIGH-POWER                                      | MSK             | 51651     |
| 5962-9085401HXA                         | 66126-105J                          | 1          | OPTOCOUPLER, SINGLE-CHANNEL, TRANSISTOR OUTPUT                | Micropac        | 31757     |
| 5962-9085401KYC                         | HCPL-550K#100                       | 1          | OPTOCOUPLER, SINGLE-CHANNEL, TRANSISTOR OUTPUT                | Avago           | 50434     |
| 5962-9085401HPA                         | 66126-105                           | 1          | OPTOCOUPLER, SINGLE-CHANNEL, TRANSISTOR OUTPUT                | Micropac        | 31757     |
| 5962-9085401HPC                         | 66126-105                           | 1          | OPTOCOUPLER, SINGLE-CHANNEL, TRANSISTOR OUTPUT                | Micropac        | 31757     |
| 5962-9085401HXC                         | 66126-105J                          | 1          | OPTOCOUPLER, SINGLE-CHANNEL, TRANSISTOR OUTPUT                | Micropac        | 31757     |
| 5962-9085401KPC                         | 66126-300                           | 1          | OPTOCOUPLER, SINGLE-CHANNEL, TRANSISTOR OUTPUT                | Micropac        | 31757     |
| 5962-9085401KXC                         | 66126-300J                          | 1          | OPTOCOUPLER, SINGLE-CHANNEL, TRANSISTOR OUTPUT                | Micropac        | 31757     |
| 5962-9085401KPA                         | 66126-300                           | 1          | OPTOCOUPLER, SINGLE-CHANNEL, TRANSISTOR OUTPUT                | Micropac        | 31757     |
| 5962-9085401KPA                         | HCPL-550K#200                       | 1          | OPTOCOUPLER, SINGLE-CHANNEL, TRANSISTOR OUTPUT                | Avago           | 50434     |
| 5962-9085401HPC                         | HCPL-5501                           | 1          | OPTOCOUPLER, SINGLE-CHANNEL, TRANSISTOR OUTPUT                | Avago           | 50434     |
| 5962-9085401KYA                         | HCPL-550K#100                       | 1          | OPTOCOUPLER, SINGLE-CHANNEL, TRANSISTOR OUTPUT                | Avago           | 50434     |
| 5962-9085401KPC                         | HCPL-550K                           | 1          | OPTOCOUPLER, SINGLE-CHANNEL, TRANSISTOR OUTPUT                | Avago           | 50434     |
| 5962-9085401HXA                         | HCPL-5501#300                       | 1          | OPTOCOUPLER, SINGLE-CHANNEL, TRANSISTOR OUTPUT                | Avago           | 50434     |
| 5962-9085401HPA                         | HCPL-5501#200                       | 1          | OPTOCOUPLER, SINGLE-CHANNEL, TRANSISTOR OUTPUT                | Avago           | 50434     |
| 5962-9085401HYC                         | HCPL-5501#100                       | 1          | OPTOCOUPLER, SINGLE-CHANNEL, TRANSISTOR OUTPUT                | Avago           | 50434     |
| 5962-9085401HYA                         | HCPL-5501#100                       | 1          | OPTOCOUPLER, SINGLE-CHANNEL, TRANSISTOR OUTPUT                | Avago           | 50434     |
| 5962-9085401KXA                         | HCPL-550K#300                       | 1          | OPTOCOUPLER, SINGLE-CHANNEL, TRANSISTOR OUTPUT                | Avago           | 50434     |
| 5962-9085401KXA                         | 66126-300J                          | 1          | OPTOCOUPLER, SINGLE-CHANNEL, TRANSISTOR OUTPUT                | Micropac        | 31757     |
| 5962-9085501KPA                         | 66056-301                           | 1          | OPTOCOUPLER, SINGLE-CHANNEL, HIGH-SPEED                       | Micropac        | 31757     |
| 5962-9085501HYA                         | HCPL-5601#100                       | 1          | OPTOCOUPLER, SINGLE-CHANNEL, HIGH-SPEED                       | Avago           | 50434     |
| 5962-9085501KYC                         | HCPL-560K#100                       | 1          | OPTOCOUPLER, SINGLE-CHANNEL, HIGH-SPEED                       | Avago           | 50434     |
| 5962-9085501KXC                         | 66056-301J                          | 1          | OPTOCOUPLER, SINGLE-CHANNEL, HIGH-SPEED                       | Micropac        | 31757     |
| 5962-9085501HPC                         | HCPL-5601                           | 1          | OPTOCOUPLER, SINGLE-CHANNEL, HIGH-SPEED                       | Avago           | 50434     |
| 5962-9085501KPC                         | 66056-301                           | 1          | OPTOCOUPLER, SINGLE-CHANNEL, HIGH-SPEED                       | Micropac        | 31757     |



Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                         | Approved Source | CAGE Code |
| 5962-9085501HXC                         | 66056-005J                          | 1          | OPTOCOUPLER, SINGLE-CHANNEL, HIGH-SPEED          | Micropac        | 31757     |
| 5962-9085501HXA                         | 66056-005J                          | 1          | OPTOCOUPLER, SINGLE-CHANNEL, HIGH-SPEED          | Micropac        | 31757     |
| 5962-9085501HPA                         | 66056-005                           | 1          | OPTOCOUPLER, SINGLE-CHANNEL, HIGH-SPEED          | Micropac        | 31757     |
| 5962-9085501HPA                         | HCPL-5601#200                       | 1          | OPTOCOUPLER, SINGLE-CHANNEL, HIGH-SPEED          | Avago           | 50434     |
| 5962-9085501KPC                         | HCPL-560K                           | 1          | OPTOCOUPLER, SINGLE-CHANNEL, HIGH-SPEED          | Avago           | 50434     |
| 5962-9085501HYC                         | HCPL-5601#100                       | 1          | OPTOCOUPLER, SINGLE-CHANNEL, HIGH-SPEED          | Avago           | 50434     |
| 5962-9085501KYA                         | HCPL-560K#100                       | 1          | OPTOCOUPLER, SINGLE-CHANNEL, HIGH-SPEED          | Avago           | 50434     |
| 5962-9085501HXA                         | HCPL-5601#300                       | 1          | OPTOCOUPLER, SINGLE-CHANNEL, HIGH-SPEED          | Avago           | 50434     |
| 5962-9085501KPA                         | HCPL-560K#200                       | 1          | OPTOCOUPLER, SINGLE-CHANNEL, HIGH-SPEED          | Avago           | 50434     |
| 5962-9085501HPC                         | 66056-005                           | 1          | OPTOCOUPLER, SINGLE-CHANNEL, HIGH-SPEED          | Micropac        | 31757     |
| 5962-9085501KXA                         | HCPL-560K#300                       | 1          | OPTOCOUPLER, SINGLE-CHANNEL, HIGH-SPEED          | Avago           | 50434     |
| 5962-9085501KXA                         | 66056-301J                          | 1          | OPTOCOUPLER, SINGLE-CHANNEL, HIGH-SPEED          | Micropac        | 31757     |
| 5962-9090201HXC                         | MSK332B-12                          | 1          | BUFFER AMPLIFIER, FET-INPUT, CLOSED-LOOP, ±12V   | MSK             | 51651     |
| 5962-9090202HXC                         | MSK332B-15                          | 1          | BUFFER AMPLIFIER, FET-INPUT, CLOSED-LOOP, ±15V   | MSK             | 51651     |
| 5962-9095401HXA                         | ATO2815T/CH                         | 1          | DC/DC CONVERTER, 15W, +5V AND ±15V TRIPLE OUTPUT | IR Santa Clara  | 52467     |
| 5962-9095401HZA                         | ATO2815TF/CH                        | 1          | DC/DC CONVERTER, 15W, +5V AND ±15V TRIPLE OUTPUT | IR Santa Clara  | 52467     |
| 91020-02HXA                             | AFV-461/CH                          | 1          | FILTER   | IR Santa Clara  | 52467     |
| 91020-02HZA                             | AFV-461F/CH                         | 1          | FILTER   | IR Santa Clara  | 52467     |
| 91020-01HZA                             | AFC-461F/CH                         | 1          | FILTER   | IR Santa Clara  | 52467     |
| 91020-01HXA                             | AFC-461/CH                          | 1          | FILTER   | IR Santa Clara  | 52467     |
| 5962-9157401HXC                         | MSK801B                             | 1          | OP AMP, FET-INPUT, DIFFERENTIAL                  | MSK             | 51651     |
| 5962-9157401HXA                         | MSK801B                             | 1          | OP AMP, FET-INPUT, DIFFERENTIAL                  | MSK             | 51651     |
| 5962-9157501HXA                         | AHE2815D/CH                         | 1          | DC/DC CONVERTER, 15W, ±15V DUAL OUTPUT           | IR Santa Clara  | 52467     |
| 5962-9157501HZA                         | AHE2815DF/CH                        | 1          | DC/DC CONVERTER, 15W, ±15V DUAL OUTPUT           | IR Santa Clara  | 52467     |
| 5962-9157502HZA                         | AHE2815DF/CH-SLV                    | 1          | DC/DC CONVERTER, 15W, ±15V DUAL OUTPUT           | IR Santa Clara  | 52467     |
| 5962-9157502HXA                         | AHE2815D/CH-SLV                     | 1          | DC/DC CONVERTER, 15W, ±15V DUAL OUTPUT           | IR Santa Clara  | 52467     |
| 5962-9157503HZA                         | AHE2815DF/CH-MSTR                   | 1          | DC/DC CONVERTER, 15W, ±15V DUAL OUTPUT           | IR Santa Clara  | 52467     |
| 5962-9157503HXA                         | AHE2815D/CH-MSTR                    | 1          | DC/DC CONVERTER, 15W, ±15V DUAL OUTPUT           | IR Santa Clara  | 52467     |
| 5962-9157901HZA                         | 7870-01                             | 1          | DC/DC CONVERTER, 30W, 5V OUTPUT                  | IR Santa Clara  | 52467     |
| 5962-9157902HZA                         | 7870-02                             | 1          | DC/DC CONVERTER, 30W, 5V OUTPUT                  | IR Santa Clara  | 52467     |
| 5962-9157903HZA                         | 7870-03                             | 1          | DC/DC CONVERTER, 30W, 5V OUTPUT                  | IR Santa Clara  | 52467     |
| 5962-9157904HZA                         | ATW2805S/CH                         | 1          | DC/DC CONVERTER, 30W, 5V OUTPUT                  | IR Santa Clara  | 52467     |
| 5962-9157905HZA                         | ATW2805S/CH-SLV                     | 1          | DC/DC CONVERTER, 30W, 5V OUTPUT                  | IR Santa Clara  | 52467     |
| 5962-9157906HZA                         | ATW2805S/CH-MSTR                    | 1          | DC/DC CONVERTER, 30W, 5V OUTPUT                  | IR Santa Clara  | 52467     |
| 5962-9158001HZC                         | AHE2812SF/CH                        | 1          | DC/DC CONVERTER, 20W, 12V OUTPUT                 | IR Santa Clara  | 52467     |
| 5962-9158001HXC                         | AHE2812S/CH                         | 1          | DC/DC CONVERTER, 20W, 12V OUTPUT                 | IR Santa Clara  | 52467     |
| 5962-9158001HXA                         | AHE2812S/CH                         | 1          | DC/DC CONVERTER, 20W, 12V OUTPUT                 | IR Santa Clara  | 52467     |
| 5962-9158001HZA                         | AHE2812SF/CH                        | 1          | DC/DC CONVERTER, 20W, 12V OUTPUT                 | IR Santa Clara  | 52467     |
| 5962-9158002HZC                         | AHE2812SF/CH-SLV                    | 1          | DC/DC CONVERTER, 20W, 12V OUTPUT                 | IR Santa Clara  | 52467     |
| 5962-9158002HZA                         | AHE2812SF/CH-SLV                    | 1          | DC/DC CONVERTER, 20W, 12V OUTPUT                 | IR Santa Clara  | 52467     |
| 5962-9158002HXA                         | AHE2812S/CH-SLV                     | 1          | DC/DC CONVERTER, 20W, 12V OUTPUT                 | IR Santa Clara  | 52467     |
| 5962-9158002HXC                         | AHE2812S/CH-SLV                     | 1          | DC/DC CONVERTER, 20W, 12V OUTPUT                 | IR Santa Clara  | 52467     |
| 5962-9158003HZA                         | AHE2812SF/CH-MSTR                   | 1          | DC/DC CONVERTER, 20W, 12V OUTPUT                 | IR Santa Clara  | 52467     |
| 5962-9158003HXA                         | AHE2812S/CH-MSTR                    | 1          | DC/DC CONVERTER, 20W, 12V OUTPUT                 | IR Santa Clara  | 52467     |
| 5962-9158003HXC                         | AHE2812S/CH-MSTR                    | 1          | DC/DC CONVERTER, 20W, 12V OUTPUT                 | IR Santa Clara  | 52467     |
| 5962-9158003HZC                         | AHE2812SF/CH-MSTR                   | 1          | DC/DC CONVERTER, 20W, 12V OUTPUT                 | IR Santa Clara  | 52467     |
| 5962-9159902HZA                         | 7892-02                             | 1          | DC/DC CONVERTER, 30W, 15V OUTPUT                 | IR Santa Clara  | 52467     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                       | Approved Source | CAGE Code |
| 5962-9159903HZA                         | 7892-03                             | 1          | DC/DC CONVERTER, 30W, 15V OUTPUT               | IR Santa Clara  | 52467     |
| 5962-9159904HZA                         | ATW2815S/CH                         | 1          | DC/DC CONVERTER, 30W, 15W OUTPUT               | IR Santa Clara  | 52467     |
| 5962-9159905HZA                         | ATW2815S/CH-SLV                     | 1          | DC/DC CONVERTER, 30W, 15W OUTPUT               | IR Santa Clara  | 52467     |
| 5962-9159906HZA                         | ATW2815S/CH-MSTR                    | 1          | DC/DC CONVERTER, 30W, 15W OUTPUT               | IR Santa Clara  | 52467     |
| 5962-9160001HXA                         | AHF2805S/CH                         | 1          | DC/DC CONVERTER, 12W, 5V OUTPUT                | IR Santa Clara  | 52467     |
| 5962-9160001HZA                         | AHF2805SF/CH                        | 1          | DC/DC CONVERTER, 12W, 5V OUTPUT                | IR Santa Clara  | 52467     |
| 5962-9160101HZC                         | MHF+2815SF/883                      | 1          | DC/DC CONVERTER, 15W, SINGLE CHANNEL           | Crane           | 50821     |
| 5962-9160101HZA                         | MHF+2815SF/883                      | 1          | DC/DC CONVERTER, 15W, SINGLE CHANNEL           | Crane           | 50821     |
| 5962-9160101HXA                         | MHF+2815S/883                       | 1          | DC/DC CONVERTER, 15W, SINGLE CHANNEL           | Crane           | 50821     |
| 5962-9160101HXC                         | MHF+2815S/883                       | 1          | DC/DC CONVERTER, 15W, SINGLE CHANNEL           | Crane           | 50821     |
| 5962L9160102HXC                         | SMHF2815S/HL                        | 1          | DC/DC CONVERTER, 15W, SINGLE CHANNEL           | Crane           | 50821     |
| 5962L9160102HZA                         | SMHF2815SF/HL                       | 1          | DC/DC CONVERTER, 15W, SINGLE CHANNEL           | Crane           | 50821     |
| 5962R9160102KXC                         | SMHF2815S/KR                        | 1          | DC/DC CONVERTER, 15W, SINGLE CHANNEL           | Crane           | 50821     |
| 5962R9160102KXA                         | SMHF2815S/KR                        | 1          | DC/DC CONVERTER, 15W, SINGLE CHANNEL           | Crane           | 50821     |
| 5962P9160102KXC                         | SMHF2815S/KP                        | 1          | DC/DC CONVERTER, 15W, SINGLE CHANNEL           | Crane           | 50821     |
| 5962P9160102KXA                         | SMHF2815S/KP                        | 1          | DC/DC CONVERTER, 15W, SINGLE CHANNEL           | Crane           | 50821     |
| 5962L9160102KXA                         | SMHF2815S/KL                        | 1          | DC/DC CONVERTER, 15W, SINGLE CHANNEL           | Crane           | 50821     |
| 5962L9160102HZC                         | SMHF2815SF/HL                       | 1          | DC/DC CONVERTER, 15W, SINGLE CHANNEL           | Crane           | 50821     |
| 5962L9160102HXA                         | SMHF2815S/HL                        | 1          | DC/DC CONVERTER, 15W, SINGLE CHANNEL           | Crane           | 50821     |
| 5962P9160102HZA                         | SMHF2815SF/HP                       | 1          | DC/DC CONVERTER, 15W, SINGLE CHANNEL           | Crane           | 50821     |
| 5962R9160102HXC                         | SMHF2815S/HR                        | 1          | DC/DC CONVERTER, 15W, SINGLE CHANNEL           | Crane           | 50821     |
| 5962R9160102HXA                         | SMHF2815S/HR                        | 1          | DC/DC CONVERTER, 15W, SINGLE CHANNEL           | Crane           | 50821     |
| 5962P9160102HXC                         | SMHF2815S/HP                        | 1          | DC/DC CONVERTER, 15W, SINGLE CHANNEL           | Crane           | 50821     |
| 5962P9160102HXA                         | SMHF2815S/HP                        | 1          | DC/DC CONVERTER, 15W, SINGLE CHANNEL           | Crane           | 50821     |
| 5962-9160102HXC                         | SMHF2815S/HO                        | 1          | DC/DC CONVERTER, 15W, SINGLE CHANNEL           | Crane           | 50821     |
| 5962L9160102KXC                         | SMHF2815S/KL                        | 1          | DC/DC CONVERTER, 15W, SINGLE CHANNEL           | Crane           | 50821     |
| 5962P9160102KZA                         | SMHF2815SF/KP                       | 1          | DC/DC CONVERTER, 15W, SINGLE CHANNEL           | Crane           | 50821     |
| 5962-9160102HZC                         | SMHF2815SF/HO                       | 1          | DC/DC CONVERTER, 15W, SINGLE CHANNEL           | Crane           | 50821     |
| 5962R9160102KZA                         | SMHF2815SF/KR                       | 1          | DC/DC CONVERTER, 15W, SINGLE CHANNEL           | Crane           | 50821     |
| 5962P9160102HZC                         | SMHF2815SF/HP                       | 1          | DC/DC CONVERTER, 15W, SINGLE CHANNEL           | Crane           | 50821     |
| 5962R9160102HZA                         | SMHF2815SF/HR                       | 1          | DC/DC CONVERTER, 15W, SINGLE CHANNEL           | Crane           | 50821     |
| 5962R9160102HZC                         | SMHF2815SF/HR                       | 1          | DC/DC CONVERTER, 15W, SINGLE CHANNEL           | Crane           | 50821     |
| 5962L9160102KZA                         | SMHF2815SF/KL                       | 1          | DC/DC CONVERTER, 15W, SINGLE CHANNEL           | Crane           | 50821     |
| 5962L9160102KZC                         | SMHF2815SF/KL                       | 1          | DC/DC CONVERTER, 15W, SINGLE CHANNEL           | Crane           | 50821     |
| 5962R9160102KZC                         | SMHF2815SF/KR                       | 1          | DC/DC CONVERTER, 15W, SINGLE CHANNEL           | Crane           | 50821     |
| 5962-9160102HZA                         | SMHF2815SF/HO                       | 1          | DC/DC CONVERTER, 15W, SINGLE CHANNEL           | Crane           | 50821     |
| 5962P9160102KZC                         | SMHF2815SF/KP                       | 1          | DC/DC CONVERTER, 15W, SINGLE CHANNEL           | Crane           | 50821     |
| 5962-9160102HXA                         | SMHF2815S/HO                        | 1          | DC/DC CONVERTER, 15W, SINGLE CHANNEL           | Crane           | 50821     |
| 5962-9160201HZA                         | ATO2812TF/CH                        | 1          | DC/DC CONVERTER, 15W, +5V, ±12V, TRIPLE OUTPUT | IR Santa Clara  | 52467     |
| 5962-9160201HXA                         | ATO2812T/CH                         | 1          | DC/DC CONVERTER, 15W, +5V, ±12V, TRIPLE OUTPUT | IR Santa Clara  | 52467     |
| 5962-9161301HZA                         | ATW2815D/CH                         | 1          | DC/DC CONVERTER, 30W, ±15V OUTPUT              | IR Santa Clara  | 52467     |
| 5962-9161302HZA                         | ATW2815D/CH-SLV                     | 1          | DC/DC CONVERTER, 30W, ±15V OUTPUT              | IR Santa Clara  | 52467     |
| 5962-9161303HZA                         | ATW2815D/CH-MSTR                    | 1          | DC/DC CONVERTER, 30W, ±15V OUTPUT              | IR Santa Clara  | 52467     |
| 5962-9161401HXA                         | MHF+2815D/883                       | 1          | DC/DC CONVERTER, 15W, ±15V OUTPUT              | Crane           | 50821     |
| 5962-9161401HXC                         | MHF+2815D/883                       | 1          | DC/DC CONVERTER, 15W, ±15V OUTPUT              | Crane           | 50821     |
| 5962-9161401HZA                         | MHF+2815DF/883                      | 1          | DC/DC CONVERTER, 15W, ±15V OUTPUT              | Crane           | 50821     |
| 5962-9161401HZC                         | MHF+2815DF/883                      | 1          | DC/DC CONVERTER, 15W, ±15V OUTPUT              | Crane           | 50821     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |                                   |                 |           |
|---|-------------------------------------|------------|-----------------------------------|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description          | Approved Source | CAGE Code |
| 5962P9161402HXC                         | SMHF2815D/HP                        | 1          | DC/DC CONVERTER, 15W, ±15V OUTPUT | Crane           | 50821     |
| 5962L9161402HZA                         | SMHF2815DF/HL                       | 1          | DC/DC CONVERTER, 15W, ±15V OUTPUT | Crane           | 50821     |
| 5962-9161402HXA                         | SMHF2815D/HO                        | 1          | DC/DC CONVERTER, 15W, ±15V OUTPUT | Crane           | 50821     |
| 5962L9161402HXC                         | SMHF2815D/HL                        | 1          | DC/DC CONVERTER, 15W, ±15V OUTPUT | Crane           | 50821     |
| 5962L9161402HXA                         | SMHF2815D/HL                        | 1          | DC/DC CONVERTER, 15W, ±15V OUTPUT | Crane           | 50821     |
| 5962R9161402KZC                         | SMHF2815DF/KR                       | 1          | DC/DC CONVERTER, 15W, ±15V OUTPUT | Crane           | 50821     |
| 5962R9161402HXC                         | SMHF2815D/HR                        | 1          | DC/DC CONVERTER, 15W, ±15V OUTPUT | Crane           | 50821     |
| 5962P9161402HXA                         | SMHF2815D/HP                        | 1          | DC/DC CONVERTER, 15W, ±15V OUTPUT | Crane           | 50821     |
| 5962R9161402HXA                         | SMHF2815D/HR                        | 1          | DC/DC CONVERTER, 15W, ±15V OUTPUT | Crane           | 50821     |
| 5962L9161402KXA                         | SMHF2815D/KL                        | 1          | DC/DC CONVERTER, 15W, ±15V OUTPUT | Crane           | 50821     |
| 5962L9161402KXC                         | SMHF2815D/KL                        | 1          | DC/DC CONVERTER, 15W, ±15V OUTPUT | Crane           | 50821     |
| 5962P9161402KXA                         | SMHF2815D/KP                        | 1          | DC/DC CONVERTER, 15W, ±15V OUTPUT | Crane           | 50821     |
| 5962P9161402KXC                         | SMHF2815D/KP                        | 1          | DC/DC CONVERTER, 15W, ±15V OUTPUT | Crane           | 50821     |
| 5962-9161402HXC                         | SMHF2815D/HO                        | 1          | DC/DC CONVERTER, 15W, ±15V OUTPUT | Crane           | 50821     |
| 5962R9161402KXC                         | SMHF2815D/KR                        | 1          | DC/DC CONVERTER, 15W, ±15V OUTPUT | Crane           | 50821     |
| 5962L9161402HZC                         | SMHF2815DF/HL                       | 1          | DC/DC CONVERTER, 15W, ±15V OUTPUT | Crane           | 50821     |
| 5962-9161402HZA                         | SMHF2815DF/HO                       | 1          | DC/DC CONVERTER, 15W, ±15V OUTPUT | Crane           | 50821     |
| 5962-9161402HZC                         | SMHF2815DF/HO                       | 1          | DC/DC CONVERTER, 15W, ±15V OUTPUT | Crane           | 50821     |
| 5962P9161402HZA                         | SMHF2815DF/HP                       | 1          | DC/DC CONVERTER, 15W, ±15V OUTPUT | Crane           | 50821     |
| 5962P9161402HZC                         | SMHF2815DF/HP                       | 1          | DC/DC CONVERTER, 15W, ±15V OUTPUT | Crane           | 50821     |
| 5962R9161402HZA                         | SMHF2815DF/HR                       | 1          | DC/DC CONVERTER, 15W, ±15V OUTPUT | Crane           | 50821     |
| 5962R9161402HZC                         | SMHF2815DF/HR                       | 1          | DC/DC CONVERTER, 15W, ±15V OUTPUT | Crane           | 50821     |
| 5962L9161402KZA                         | SMHF2815DF/KL                       | 1          | DC/DC CONVERTER, 15W, ±15V OUTPUT | Crane           | 50821     |
| 5962L9161402KZC                         | SMHF2815DF/KL                       | 1          | DC/DC CONVERTER, 15W, ±15V OUTPUT | Crane           | 50821     |
| 5962P9161402KZA                         | SMHF2815DF/KP                       | 1          | DC/DC CONVERTER, 15W, ±15V OUTPUT | Crane           | 50821     |
| 5962P9161402KZC                         | SMHF2815DF/KP                       | 1          | DC/DC CONVERTER, 15W, ±15V OUTPUT | Crane           | 50821     |
| 5962R9161402KZA                         | SMHF2815DF/KR                       | 1          | DC/DC CONVERTER, 15W, ±15V OUTPUT | Crane           | 50821     |
| 5962R9161402KXA                         | SMHF2815D/KR                        | 1          | DC/DC CONVERTER, 15W, ±15V OUTPUT | Crane           | 50821     |
| 5962-9162101HXA                         | PA83M/883                           | 1          | OP AMP, POWER                     | Cirrus          | 60024     |
| 5962-9162501HXC                         | AHE2815S/CH                         | 1          | DC/DC CONVERTER, 20W, 15V OUTPUT  | IR Santa Clara  | 52467     |
| 5962-9162501HXA                         | AHE2815S/CH                         | 1          | DC/DC CONVERTER, 20W, 15V OUTPUT  | IR Santa Clara  | 52467     |
| 5962-9162501HZC                         | AHE2815SF/CH                        | 1          | DC/DC CONVERTER, 20W, 15V OUTPUT  | IR Santa Clara  | 52467     |
| 5962-9162501HZA                         | AHE2815SF/CH                        | 1          | DC/DC CONVERTER, 20W, 15V OUTPUT  | IR Santa Clara  | 52467     |
| 5962-9162502HZA                         | AHE2815SF/CH-SLV                    | 1          | DC/DC CONVERTER, 20W, 15V OUTPUT  | IR Santa Clara  | 52467     |
| 5962-9162502HXC                         | AHE2815S/CH-SLV                     | 1          | DC/DC CONVERTER, 20W, 15V OUTPUT  | IR Santa Clara  | 52467     |
| 5962-9162502HZC                         | AHE2815SF/CH-SLV                    | 1          | DC/DC CONVERTER, 20W, 15V OUTPUT  | IR Santa Clara  | 52467     |
| 5962-9162502HXA                         | AHE2815S/CH-SLV                     | 1          | DC/DC CONVERTER, 20W, 15V OUTPUT  | IR Santa Clara  | 52467     |
| 5962-9162503HZA                         | AHE2815SF/CH-MSTR                   | 1          | DC/DC CONVERTER, 20W, 15V OUTPUT  | IR Santa Clara  | 52467     |
| 5962-9162503HXC                         | AHE2815S/CH-MSTR                    | 1          | DC/DC CONVERTER, 20W, 15V OUTPUT  | IR Santa Clara  | 52467     |
| 5962-9162503HXA                         | AHE2815S/CH-MSTR                    | 1          | DC/DC CONVERTER, 20W, 15V OUTPUT  | IR Santa Clara  | 52467     |
| 5962-9162503HZC                         | AHE2815SF/CH-MSTR                   | 1          | DC/DC CONVERTER, 20W, 15V OUTPUT  | IR Santa Clara  | 52467     |
| 5962-9166401HZC                         | MHF+2812SF/883                      | 1          | DC/DC CONVERTER, 15W, 12V OUTPUT  | Crane           | 50821     |
| 5962-9166401HXA                         | MHF+2812S/883                       | 1          | DC/DC CONVERTER, 15W, 12V OUTPUT  | Crane           | 50821     |
| 5962-9166401HZA                         | MHF+2812SF/883                      | 1          | DC/DC CONVERTER, 15W, 12V OUTPUT  | Crane           | 50821     |
| 5962-9166401HXC                         | MHF+2812S/883                       | 1          | DC/DC CONVERTER, 15W, 12V OUTPUT  | Crane           | 50821     |
| 5962L9166402KXA                         | SMHF2812S/KL                        | 1          | DC/DC CONVERTER, 15W, 12V OUTPUT  | Crane           | 50821     |
| 5962R9166402KXA                         | SMHF2812S/KR                        | 1          | DC/DC CONVERTER, 15W, 12V OUTPUT  | Crane           | 50821     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |                                  |                 |           |
|---|-------------------------------------|------------|----------------------------------|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description         | Approved Source | CAGE Code |
| 5962P9166402KXC                         | SMHF2812S/KP                        | 1          | DC/DC CONVERTER, 15W, 12V OUTPUT | Crane           | 50821     |
| 5962L9166402HXA                         | SMHF2812S/HL                        | 1          | DC/DC CONVERTER, 15W, 12V OUTPUT | Crane           | 50821     |
| 5962P9166402KXA                         | SMHF2812S/KP                        | 1          | DC/DC CONVERTER, 15W, 12V OUTPUT | Crane           | 50821     |
| 5962L9166402KXC                         | SMHF2812S/KL                        | 1          | DC/DC CONVERTER, 15W, 12V OUTPUT | Crane           | 50821     |
| 5962R9166402HXC                         | SMHF2812S/HR                        | 1          | DC/DC CONVERTER, 15W, 12V OUTPUT | Crane           | 50821     |
| 5962R9166402HXA                         | SMHF2812S/HR                        | 1          | DC/DC CONVERTER, 15W, 12V OUTPUT | Crane           | 50821     |
| 5962P9166402HXC                         | SMHF2812S/HP                        | 1          | DC/DC CONVERTER, 15W, 12V OUTPUT | Crane           | 50821     |
| 5962P9166402HXA                         | SMHF2812S/HP                        | 1          | DC/DC CONVERTER, 15W, 12V OUTPUT | Crane           | 50821     |
| 5962-9166402HXC                         | SMHF2812S/HO                        | 1          | DC/DC CONVERTER, 15W, 12V OUTPUT | Crane           | 50821     |
| 5962R9166402KXC                         | SMHF2812S/KR                        | 1          | DC/DC CONVERTER, 15W, 12V OUTPUT | Crane           | 50821     |
| 5962L9166402HXC                         | SMHF2812S/HL                        | 1          | DC/DC CONVERTER, 15W, 12V OUTPUT | Crane           | 50821     |
| 5962-9166402HXA                         | SMHF2812S/HO                        | 1          | DC/DC CONVERTER, 15W, 12V OUTPUT | Crane           | 50821     |
| 5962P9166402HZC                         | SMHF2812SF/HP                       | 1          | DC/DC CONVERTER, 15W, 12V OUTPUT | Crane           | 50821     |
| 5962R9166402KZC                         | SMHF2812SF/KR                       | 1          | DC/DC CONVERTER, 15W, 12V OUTPUT | Crane           | 50821     |
| 5962R9166402KZA                         | SMHF2812SF/KR                       | 1          | DC/DC CONVERTER, 15W, 12V OUTPUT | Crane           | 50821     |
| 5962P9166402KZC                         | SMHF2812SF/KP                       | 1          | DC/DC CONVERTER, 15W, 12V OUTPUT | Crane           | 50821     |
| 5962P9166402KZA                         | SMHF2812SF/KP                       | 1          | DC/DC CONVERTER, 15W, 12V OUTPUT | Crane           | 50821     |
| 5962L9166402KZC                         | SMHF2812SF/KL                       | 1          | DC/DC CONVERTER, 15W, 12V OUTPUT | Crane           | 50821     |
| 5962L9166402KZA                         | SMHF2812SF/KL                       | 1          | DC/DC CONVERTER, 15W, 12V OUTPUT | Crane           | 50821     |
| 5962L9166402HZA                         | SMHF2812SF/HL                       | 1          | DC/DC CONVERTER, 15W, 12V OUTPUT | Crane           | 50821     |
| 5962R9166402HZA                         | SMHF2812SF/HR                       | 1          | DC/DC CONVERTER, 15W, 12V OUTPUT | Crane           | 50821     |
| 5962P9166402HZA                         | SMHF2812SF/HP                       | 1          | DC/DC CONVERTER, 15W, 12V OUTPUT | Crane           | 50821     |
| 5962-9166402HZC                         | SMHF2812SF/HO                       | 1          | DC/DC CONVERTER, 15W, 12V OUTPUT | Crane           | 50821     |
| 5962-9166402HZA                         | SMHF2812SF/HO                       | 1          | DC/DC CONVERTER, 15W, 12V OUTPUT | Crane           | 50821     |
| 5962L9166402HZC                         | SMHF2812SF/HL                       | 1          | DC/DC CONVERTER, 15W, 12V OUTPUT | Crane           | 50821     |
| 5962R9166402HZC                         | SMHF2812SF/HR                       | 1          | DC/DC CONVERTER, 15W, 12V OUTPUT | Crane           | 50821     |
| 5962-9167601HYC                         | 66079-000                           | 1          | OPTOCOUPLER, SINGLE-CHANNEL      | Micropac        | 31757     |
| 5962-9167601KYA                         | 66079-301                           | 1          | OPTOCOUPLER, SINGLE-CHANNEL      | Micropac        | 31757     |
| 5962-9167601KXC                         | 66079-300                           | 1          | OPTOCOUPLER, SINGLE-CHANNEL      | Micropac        | 31757     |
| 5962-9167601KXA                         | 66079-300                           | 1          | OPTOCOUPLER, SINGLE-CHANNEL      | Micropac        | 31757     |
| 5962-9167601HXA                         | 66079-001                           | 1          | OPTOCOUPLER, SINGLE-CHANNEL      | Micropac        | 31757     |
| 5962-9167601HYA                         | 66079-000                           | 1          | OPTOCOUPLER, SINGLE-CHANNEL      | Micropac        | 31757     |
| 5962-9167601KYC                         | 66079-301                           | 1          | OPTOCOUPLER, SINGLE-CHANNEL      | Micropac        | 31757     |
| 5962-9167601HXC                         | 66079-001                           | 1          | OPTOCOUPLER, SINGLE-CHANNEL      | Micropac        | 31757     |
| 5962-9170001HXA                         | PA09M/883                           | 1          | OP AMP, POWER                    | Cirrus          | 60024     |
| 5962-9170001HXC                         | PA09M/883                           | 1          | OP AMP, POWER                    | Cirrus          | 60024     |
| 5962-9173601HXC                         | SDC14600-112                        | 1          | S/D CONVERTER, 14-BIT, 11.8V     | DDC             | 19645     |
| 5962-9173601HXA                         | SDC14600-112                        | 1          | S/D CONVERTER, 14-BIT, 11.8V     | DDC             | 19645     |
| 5962-9173602HXA                         | SDC14600T-112                       | 1          | S/D CONVERTER, 14-BIT, 11.8V     | DDC             | 19645     |
| 5962-9173602HXC                         | SDC14600T-112                       | 1          | S/D CONVERTER, 14-BIT, 11.8V     | DDC             | 19645     |
| 5962-9173603HXA                         | SDC14601-112                        | 1          | S/D CONVERTER, 14-BIT, 11.8V     | DDC             | 19645     |
| 5962-9173603HXC                         | SDC14601-112                        | 1          | S/D CONVERTER, 14-BIT, 11.8V     | DDC             | 19645     |
| 5962-9173604HXA                         | SDC14601T-112                       | 1          | S/D CONVERTER, 14-BIT, 11.8V     | DDC             | 19645     |
| 5962-9173604HXC                         | SDC14601T-112                       | 1          | S/D CONVERTER, 14-BIT, 11.8V     | DDC             | 19645     |
| 5962-9173605HXA                         | SDC14605-112                        | 1          | S/D CONVERTER, 14-BIT, 11.8V     | DDC             | 19645     |
| 5962-9173605HXC                         | SDC14605-112                        | 1          | S/D CONVERTER, 14-BIT, 11.8V     | DDC             | 19645     |
| 5962-9173606HXA                         | SDC14605T-112                       | 1          | S/D CONVERTER, 14-BIT, 11.8V     | DDC             | 19645     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description   | Approved Source | CAGE Code |
| 5962-9173606HXC                         | SDC14605T-112                       | 1          | S/D CONVERTER, 14-BIT, 11.8V                                       | DDC             | 19645     |
| 5962-9173607HXA                         | SDC14606-112                        | 1          | S/D CONVERTER, 14-BIT, 11.8V                                       | DDC             | 19645     |
| 5962-9173607HXC                         | SDC14606-112                        | 1          | S/D CONVERTER, 14-BIT, 11.8V                                       | DDC             | 19645     |
| 5962-9173608HXC                         | SDC14606T-112                       | 1          | S/D CONVERTER, 14-BIT, 11.8V                                       | DDC             | 19645     |
| 5962-9173608HXA                         | SDC14606T-112                       | 1          | S/D CONVERTER, 14-BIT, 11.8V                                       | DDC             | 19645     |
| 5962-9173609HXC                         | SDC14605-114                        | 1          | S/D CONVERTER, 14-BIT, 11.8V                                       | DDC             | 19645     |
| 5962-9173609HXA                         | SDC14605-114                        | 1          | S/D CONVERTER, 14-BIT, 11.8V                                       | DDC             | 19645     |
| 5962-9173610HXC                         | SDC14605T-114                       | 1          | S/D CONVERTER, 14-BIT, 11.8V                                       | DDC             | 19645     |
| 5962-9173610HXA                         | SDC14605T-114                       | 1          | S/D CONVERTER, 14-BIT, 11.8V                                       | DDC             | 19645     |
| 5962-9173611HXA                         | SDC14606-114                        | 1          | S/D CONVERTER, 14-BIT, 11.8V                                       | DDC             | 19645     |
| 5962-9173611HXC                         | SDC14606-114                        | 1          | S/D CONVERTER, 14-BIT, 11.8V                                       | DDC             | 19645     |
| 5962-9173612HXA                         | SDC14606T-114                       | 1          | S/D CONVERTER, 14-BIT, 11.8V                                       | DDC             | 19645     |
| 5962-9173612HXC                         | SDC14606T-114                       | 1          | S/D CONVERTER, 14-BIT, 11.8V                                       | DDC             | 19645     |
| 5962-9173613HXC                         | SDC14601-603                        | 1          | R/D CONVERTER, 14-BIT, 11.8V                                       | DDC             | 19645     |
| 5962-9173613HXA                         | SDC14601-603                        | 1          | R/D CONVERTER, 14-BIT, 11.8V                                       | DDC             | 19645     |
| 5962-9174908HYC                         | ARX4407-201-2                       | 1          | DRIVER-RECEIVER, SINGLE CHANNEL (MIL-STD-1553 A AND B), LOW POWER  | Aeroflex        | 88379     |
| 5962-9174908HTA                         | ARX4407LPFP                         | 1          | DRIVER-RECEIVER, SINGLE CHANNEL (MIL-STD-1553 A AND B), LOW POWER  | Aeroflex        | 88379     |
| 5962-9174908HYA                         | ARX4407-201-1                       | 1          | DRIVER-RECEIVER, SINGLE CHANNEL (MIL-STD-1553 A AND B), LOW POWER  | Aeroflex        | 88379     |
| 5962-9174908HXC                         | ARX4407-001-2                       | 1          | DRIVER-RECEIVER, SINGLE CHANNEL (MIL-STD-1553 A AND B), LOW POWER  | Aeroflex        | 88379     |
| 5962-9174908HXA                         | ARX4407-001-1                       | 1          | DRIVER-RECEIVER, SINGLE CHANNEL (MIL-STD-1553 A AND B), LOW POWER  | Aeroflex        | 88379     |
| 5962-9174908HTC                         | ARX4407LPFP                         | 1          | DRIVER-RECEIVER, SINGLE CHANNEL (MIL-STD-1553 A AND B), LOW POWER  | Aeroflex        | 88379     |
| 5962-9174909HTC                         | ARX4404LPFP                         | 1          | DRIVER-RECEIVER, SINGLE CHANNEL (UNIVERSAL TRANSCEIVER), LOW POWER | Aeroflex        | 88379     |
| 5962-9174909HXA                         | ARX4404-001-1                       | 1          | DRIVER-RECEIVER, SINGLE CHANNEL (UNIVERSAL TRANSCEIVER), LOW POWER | Aeroflex        | 88379     |
| 5962-9174909HXC                         | ARX4404-001-2                       | 1          | DRIVER-RECEIVER, SINGLE CHANNEL (UNIVERSAL TRANSCEIVER), LOW POWER | Aeroflex        | 88379     |
| 5962-9174909HYA                         | ARX4404-201-1                       | 1          | DRIVER-RECEIVER, SINGLE CHANNEL (UNIVERSAL TRANSCEIVER), LOW POWER | Aeroflex        | 88379     |
| 5962-9174909HYC                         | ARX4404-201-2                       | 1          | DRIVER-RECEIVER, SINGLE CHANNEL (UNIVERSAL TRANSCEIVER), LOW POWER | Aeroflex        | 88379     |
| 5962-9174909HTA                         | ARX4404LPFP                         | 1          | DRIVER-RECEIVER, SINGLE CHANNEL (UNIVERSAL TRANSCEIVER), LOW POWER | Aeroflex        | 88379     |
| 5962-9174910HYA                         | ARX4407N-201-1                      | 1          | DRIVER-RECEIVER, SINGLE CHANNEL (MIL-STD-1553 A AND B), LOW POWER  | Aeroflex        | 88379     |
| 5962-9174910HXC                         | ARX4407N-001-2                      | 1          | DRIVER-RECEIVER, SINGLE CHANNEL (MIL-STD-1553 A AND B), LOW POWER  | Aeroflex        | 88379     |
| 5962-9174910HXA                         | ARX4407N-001-1                      | 1          | DRIVER-RECEIVER, SINGLE CHANNEL (MIL-STD-1553 A AND B), LOW POWER  | Aeroflex        | 88379     |
| 5962-9174910HYC                         | ARX4407N-201-2                      | 1          | DRIVER-RECEIVER, SINGLE CHANNEL (MIL-STD-1553 A AND B), LOW POWER  | Aeroflex        | 88379     |
| 5962-9174911HXC                         | ARX4404N-001-2                      | 1          | DRIVER-RECEIVER, SINGLE CHANNEL (UNIVERSAL TRANSCEIVER), LOW POWER | Aeroflex        | 88379     |
| 5962-9174911HYA                         | ARX4404N-201-1                      | 1          | DRIVER-RECEIVER, SINGLE CHANNEL (UNIVERSAL TRANSCEIVER), LOW POWER | Aeroflex        | 88379     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description   | Approved Source | CAGE Code |
| 5962-9174911HYC                         | ARX4404N-201-2                      | 1          | DRIVER-RECEIVER, SINGLE CHANNEL (UNIVERSAL TRANSCEIVER), LOW POWER | Aeroflex        | 88379     |
| 5962-9174911HXA                         | ARX4404N-001-1                      | 1          | DRIVER-RECEIVER, SINGLE CHANNEL (UNIVERSAL TRANSCEIVER), LOW POWER | Aeroflex        | 88379     |
| 5962-9177002HXA                         | MN6400SMXA                          | 1          | A/D CONVERTER, 16-BIT SAMPLING                                     | Spectrum (Worc  | 50507     |
| 5962-9177002HXC                         | MN6400SMXC                          | 1          | A/D CONVERTER, 16-BIT SAMPLING                                     | Spectrum (Worc  | 50507     |
| 5962-9177301HZA                         | AHV2805SF/CH                        | 1          | DC/DC CONVERTER, 15W, 5V OUTPUT                                    | IR Santa Clara  | 52467     |
| 5962-9177401HZA                         | AHV2815DF/CH                        | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 15W, ±15V OUTPUT                    | IR Santa Clara  | 52467     |
| 5962-9204001HZA                         | AHE2812DF/CH                        | 1          | DC/DC CONVERTER, 15W, ±12V, DUAL OUTPUT                            | IR Santa Clara  | 52467     |
| 5962-9204001HXA                         | AHE2812D/CH                         | 1          | DC/DC CONVERTER, 15W, ±12V, DUAL OUTPUT                            | IR Santa Clara  | 52467     |
| 5962-9204002HXA                         | AHE2812D/CH-SLV                     | 1          | DC/DC CONVERTER, 15W, ±12V, DUAL OUTPUT                            | IR Santa Clara  | 52467     |
| 5962-9204002HZA                         | AHE2812DF/CH-SLV                    | 1          | DC/DC CONVERTER, 15W, ±12V, DUAL OUTPUT                            | IR Santa Clara  | 52467     |
| 5962-9204003HZA                         | AHE2812DF/CH-MSTR                   | 1          | DC/DC CONVERTER, 15W, ±12V, DUAL OUTPUT                            | IR Santa Clara  | 52467     |
| 5962-9204003HXA                         | AHE2812D/CH-MSTR                    | 1          | DC/DC CONVERTER, 15W, ±12V, DUAL OUTPUT                            | IR Santa Clara  | 52467     |
| 5962-9205101HXA                         | SDC14602-142                        | 1          | S/D CONVERTER, 14-BIT, 90V, 400 HZ                                 | DDC             | 19645     |
| 5962-9205101HXA                         | SDC14602-152                        | 1          | S/D CONVERTER, 14-BIT, 90V, 400 HZ                                 | DDC             | 19645     |
| 5962-9205101HXC                         | SDC14602-112                        | 1          | S/D CONVERTER, 14-BIT, 90V, 400 HZ                                 | DDC             | 19645     |
| 5962-9205101HXC                         | SDC14602-132                        | 1          | S/D CONVERTER, 14-BIT, 90V, 400 HZ                                 | DDC             | 19645     |
| 5962-9205102HXC                         | SDC14602T-132                       | 1          | S/D CONVERTER, 14-BIT, 90V, 400 HZ                                 | DDC             | 19645     |
| 5962-9205102HXC                         | SDC14602T-112                       | 1          | S/D CONVERTER, 14-BIT, 90V, 400 HZ                                 | DDC             | 19645     |
| 5962-9205102HXA                         | SDC14602T-152                       | 1          | S/D CONVERTER, 14-BIT, 90V, 400 HZ                                 | DDC             | 19645     |
| 5962-9205102HXA                         | SDC14602T-142                       | 1          | S/D CONVERTER, 14-BIT, 90V, 400 HZ                                 | DDC             | 19645     |
| 5962-9205103HXA                         | SDC14604-142                        | 1          | S/D CONVERTER, 14-BIT, 90V, 60 HZ                                  | DDC             | 19645     |
| 5962-9205103HXA                         | SDC14604-152                        | 1          | S/D CONVERTER, 14-BIT, 90V, 60 HZ                                  | DDC             | 19645     |
| 5962-9205103HXC                         | SDC14604-132                        | 1          | S/D CONVERTER, 14-BIT, 90V, 60 HZ                                  | DDC             | 19645     |
| 5962-9205103HXC                         | SDC14604-112                        | 1          | S/D CONVERTER, 14-BIT, 90V, 60 HZ                                  | DDC             | 19645     |
| 5962-9205104HXA                         | SDC14604T-152                       | 1          | S/D CONVERTER, 14-BIT, 90V, 60 HZ                                  | DDC             | 19645     |
| 5962-9205104HXC                         | SDC14604T-132                       | 1          | S/D CONVERTER, 14-BIT, 90V, 60 HZ                                  | DDC             | 19645     |
| 5962-9205104HXC                         | SDC14604T-112                       | 1          | S/D CONVERTER, 14-BIT, 90V, 60 HZ                                  | DDC             | 19645     |
| 5962-9205104HXA                         | SDC14604T-142                       | 1          | S/D CONVERTER, 14-BIT, 90V, 60 HZ                                  | DDC             | 19645     |
| 5962-9205105HXA                         | SDC14607-142                        | 1          | S/D CONVERTER, 14-BIT, 90V, 400 HZ                                 | DDC             | 19645     |
| 5962-9205105HXA                         | SDC14607-152                        | 1          | S/D CONVERTER, 14-BIT, 90V, 400 HZ                                 | DDC             | 19645     |
| 5962-9205105HXC                         | SDC14607-112                        | 1          | S/D CONVERTER, 14-BIT, 90V, 400 HZ                                 | DDC             | 19645     |
| 5962-9205105HXC                         | SDC14607-132                        | 1          | S/D CONVERTER, 14-BIT, 90V, 400 HZ                                 | DDC             | 19645     |
| 5962-9205106HXC                         | SDC14607T-112                       | 1          | S/D CONVERTER, 14-BIT, 90V, 400 HZ                                 | DDC             | 19645     |
| 5962-9205106HXA                         | SDC14607T-152                       | 1          | S/D CONVERTER, 14-BIT, 90V, 400 HZ                                 | DDC             | 19645     |
| 5962-9205106HXA                         | SDC14607T-142                       | 1          | S/D CONVERTER, 14-BIT, 90V, 400 HZ                                 | DDC             | 19645     |
| 5962-9205106HXC                         | SDC14607T-132                       | 1          | S/D CONVERTER, 14-BIT, 90V, 400 HZ                                 | DDC             | 19645     |
| 5962-9205107HXA                         | SDC14609-152                        | 1          | S/D CONVERTER, 14-BIT, 90V, 60 HZ                                  | DDC             | 19645     |
| 5962-9205107HXA                         | SDC14609-142                        | 1          | S/D CONVERTER, 14-BIT, 90V, 60 HZ                                  | DDC             | 19645     |
| 5962-9205107HXC                         | SDC14609-132                        | 1          | S/D CONVERTER, 14-BIT, 90V, 60 HZ                                  | DDC             | 19645     |
| 5962-9205107HXC                         | SDC14609-112                        | 1          | S/D CONVERTER, 14-BIT, 90V, 60 HZ                                  | DDC             | 19645     |
| 5962-9205108HXC                         | SDC14609T-132                       | 1          | S/D CONVERTER, 14-BIT, 90V, 60 HZ                                  | DDC             | 19645     |
| 5962-9205108HXC                         | SDC14609T-112                       | 1          | S/D CONVERTER, 14-BIT, 90V, 60 HZ                                  | DDC             | 19645     |
| 5962-9205108HXA                         | SDC14609T-142                       | 1          | S/D CONVERTER, 14-BIT, 90V, 60 HZ                                  | DDC             | 19645     |
| 5962-9205108HXA                         | SDC14609T-152                       | 1          | S/D CONVERTER, 14-BIT, 90V, 60 HZ                                  | DDC             | 19645     |
| 5962-9205109HXA                         | SDC14607-144                        | 1          | S/D CONVERTER, 14-BIT, 90V, 400 HZ                                 | DDC             | 19645     |

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Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

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| Sorted by Standard Microcircuit Drawing |                                     |            |   |                 |           |
|---|-------------------------------------|------------|---|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                      | Approved Source | CAGE Code |
| 5962-9205109HXC                         | SDC14607-134                        | 1          | S/D CONVERTER, 14-BIT, 90V, 400 HZ            | DDC             | 19645     |
| 5962-9205109HXC                         | SDC14607-114                        | 1          | S/D CONVERTER, 14-BIT, 90V, 400 HZ            | DDC             | 19645     |
| 5962-9205109HXA                         | SDC14607-154                        | 1          | S/D CONVERTER, 14-BIT, 90V, 400 HZ            | DDC             | 19645     |
| 5962-9205110HXA                         | SDC14607T-154                       | 1          | S/D CONVERTER, 14-BIT, 90V, 400 HZ            | DDC             | 19645     |
| 5962-9205110HXA                         | SDC14607T-144                       | 1          | S/D CONVERTER, 14-BIT, 90V, 400 HZ            | DDC             | 19645     |
| 5962-9205110HXC                         | SDC14607T-114                       | 1          | S/D CONVERTER, 14-BIT, 90V, 400 HZ            | DDC             | 19645     |
| 5962-9205110HXC                         | SDC14607T-134                       | 1          | S/D CONVERTER, 14-BIT, 90V, 400 HZ            | DDC             | 19645     |
| 5962-9205111HXA                         | SDC14609-154                        | 1          | S/D CONVERTER, 14-BIT, 90V, 60 HZ             | DDC             | 19645     |
| 5962-9205111HXA                         | SDC14609-144                        | 1          | S/D CONVERTER, 14-BIT, 90V, 60 HZ             | DDC             | 19645     |
| 5962-9205111HXC                         | SDC14609-134                        | 1          | S/D CONVERTER, 14-BIT, 90V, 60 HZ             | DDC             | 19645     |
| 5962-9205111HXC                         | SDC14609-114                        | 1          | S/D CONVERTER, 14-BIT, 90V, 60 HZ             | DDC             | 19645     |
| 5962-9205112HXA                         | SDC14609T-154                       | 1          | S/D CONVERTER, 14-BIT, 90V, 60 HZ             | DDC             | 19645     |
| 5962-9205112HXA                         | SDC14609T-144                       | 1          | S/D CONVERTER, 14-BIT, 90V, 60 HZ             | DDC             | 19645     |
| 5962-9205112HXC                         | SDC14609T-134                       | 1          | S/D CONVERTER, 14-BIT, 90V, 60 HZ             | DDC             | 19645     |
| 5962-9205112HXC                         | SDC14609T-114                       | 1          | S/D CONVERTER, 14-BIT, 90V, 60 HZ             | DDC             | 19645     |
| 5962-9205201HXA                         | SDC14603-142                        | 1          | DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ | DDC             | 19645     |
| 5962-9205201HXC                         | SDC14603-112                        | 1          | DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ | DDC             | 19645     |
| 5962-9205201HXC                         | SDC14603-132                        | 1          | DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ | DDC             | 19645     |
| 5962-9205201HXA                         | SDC14603-152                        | 1          | DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ | DDC             | 19645     |
| 5962-9205202HXA                         | SDC14603T-152                       | 1          | DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ | DDC             | 19645     |
| 5962-9205202HXC                         | SDC14603T-112                       | 1          | DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ | DDC             | 19645     |
| 5962-9205202HXA                         | SDC14603T-142                       | 1          | DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ | DDC             | 19645     |
| 5962-9205202HXC                         | SDC14603T-132                       | 1          | DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ | DDC             | 19645     |
| 5962-9205203HXA                         | SDC14608-152                        | 1          | DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ | DDC             | 19645     |
| 5962-9205203HXC                         | SDC14608-132                        | 1          | DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ | DDC             | 19645     |
| 5962-9205203HXC                         | SDC14608-112                        | 1          | DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ | DDC             | 19645     |
| 5962-9205203HXA                         | SDC14608-142                        | 1          | DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ | DDC             | 19645     |
| 5962-9205204HXC                         | SDC14608T-112                       | 1          | DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ | DDC             | 19645     |
| 5962-9205204HXA                         | SDC14608T-142                       | 1          | DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ | DDC             | 19645     |
| 5962-9205204HXA                         | SDC14608T-152                       | 1          | DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ | DDC             | 19645     |
| 5962-9205204HXC                         | SDC14608T-132                       | 1          | DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ | DDC             | 19645     |
| 5962-9205205HXC                         | SDC14608-114                        | 1          | DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ | DDC             | 19645     |
| 5962-9205205HXA                         | SDC14608-154                        | 1          | DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ | DDC             | 19645     |
| 5962-9205205HXA                         | SDC14608-144                        | 1          | DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ | DDC             | 19645     |
| 5962-9205205HXC                         | SDC14608-134                        | 1          | DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ | DDC             | 19645     |
| 5962-9205206HXC                         | SDC14608T-114                       | 1          | DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ | DDC             | 19645     |
| 5962-9205206HXA                         | SDC14608T-154                       | 1          | DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ | DDC             | 19645     |
| 5962-9205206HXA                         | SDC14608T-144                       | 1          | DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ | DDC             | 19645     |
| 5962-9205206HXC                         | SDC14608T-134                       | 1          | DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ | DDC             | 19645     |
| 5962-9205301HXA                         | SDC-14610II-152                     | 1          | S/D CONVERTER, 14-BIT, 11.8V, 400 HZ          | DDC             | 19645     |
| 5962-9205301HXA                         | SDC-14610II-142                     | 1          | S/D CONVERTER, 14-BIT, 11.8V, 400 HZ          | DDC             | 19645     |
| 5962-9205301HXC                         | SDC-14610II-132                     | 1          | S/D CONVERTER, 14-BIT, 11.8V, 400 HZ          | DDC             | 19645     |
| 5962-9205301HXC                         | SDC-14610II-112                     | 1          | S/D CONVERTER, 14-BIT, 11.8V, 400 HZ          | DDC             | 19645     |
| 5962-9205302HXC                         | SDC-14610IIT-112                    | 1          | S/D CONVERTER, 14-BIT, 11.8V, 400 HZ          | DDC             | 19645     |
| 5962-9205302HXA                         | SDC-14610IIT-152                    | 1          | S/D CONVERTER, 14-BIT, 11.8V, 400 HZ          | DDC             | 19645     |
| 5962-9205302HXA                         | SDC-14610IIT-142                    | 1          | S/D CONVERTER, 14-BIT, 11.8V, 400 HZ          | DDC             | 19645     |
| 5962-9205302HXC                         | SDC-14610IIT-132                    | 1          | S/D CONVERTER, 14-BIT, 11.8V, 400 HZ          | DDC             | 19645     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |                                      |                 |           |
|---|-------------------------------------|------------|--------------------------------------|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description             | Approved Source | CAGE Code |
| 5962-9205303HXC                         | SDC-14611II-132                     | 1          | S/D CONVERTER, 14-BIT, 11.8V, 400 HZ | DDC             | 19645     |
| 5962-9205303HXAX                        | SDC-14611II-152                     | 1          | S/D CONVERTER, 14-BIT, 11.8V, 400 HZ | DDC             | 19645     |
| 5962-9205303HXAX                        | SDC-14611II-142                     | 1          | S/D CONVERTER, 14-BIT, 11.8V, 400 HZ | DDC             | 19645     |
| 5962-9205303HXC                         | SDC-14611II-112                     | 1          | S/D CONVERTER, 14-BIT, 11.8V, 400 HZ | DDC             | 19645     |
| 5962-9205304HXAX                        | SDC-14611IIT-142                    | 1          | S/D CONVERTER, 14-BIT, 11.8V, 400 HZ | DDC             | 19645     |
| 5962-9205304HXC                         | SDC-14611IIT-132                    | 1          | S/D CONVERTER, 14-BIT, 11.8V, 400 HZ | DDC             | 19645     |
| 5962-9205304HXAX                        | SDC-14611IIT-152                    | 1          | S/D CONVERTER, 14-BIT, 11.8V, 400 HZ | DDC             | 19645     |
| 5962-9205304HXC                         | SDC-14611IIT-112                    | 1          | S/D CONVERTER, 14-BIT, 11.8V, 400 HZ | DDC             | 19645     |
| 5962-9205305HXAX                        | SDC-14615II-142                     | 1          | S/D CONVERTER, 14-BIT, 11.8V, 400 HZ | DDC             | 19645     |
| 5962-9205305HXC                         | SDC-14615II-112                     | 1          | S/D CONVERTER, 14-BIT, 11.8V, 400 HZ | DDC             | 19645     |
| 5962-9205305HXC                         | SDC-14615II-132                     | 1          | S/D CONVERTER, 14-BIT, 11.8V, 400 HZ | DDC             | 19645     |
| 5962-9205305HXAX                        | SDC-14615II-152                     | 1          | S/D CONVERTER, 14-BIT, 11.8V, 400 HZ | DDC             | 19645     |
| 5962-9205306HXAX                        | SDC-14615IIT-152                    | 1          | S/D CONVERTER, 14-BIT, 11.8V, 400 HZ | DDC             | 19645     |
| 5962-9205306HXAX                        | SDC-14615IIT-142                    | 1          | S/D CONVERTER, 14-BIT, 11.8V, 400 HZ | DDC             | 19645     |
| 5962-9205306HXC                         | SDC-14615IIT-132                    | 1          | S/D CONVERTER, 14-BIT, 11.8V, 400 HZ | DDC             | 19645     |
| 5962-9205306HXC                         | SDC-14615IIT-112                    | 1          | S/D CONVERTER, 14-BIT, 11.8V, 400 HZ | DDC             | 19645     |
| 5962-9205307HXAX                        | SDC-14616II-152                     | 1          | S/D CONVERTER, 14-BIT, 11.8V, 400 HZ | DDC             | 19645     |
| 5962-9205307HXC                         | SDC-14616II-112                     | 1          | S/D CONVERTER, 14-BIT, 11.8V, 400 HZ | DDC             | 19645     |
| 5962-9205307HXC                         | SDC-14616II-132                     | 1          | S/D CONVERTER, 14-BIT, 11.8V, 400 HZ | DDC             | 19645     |
| 5962-9205307HXAX                        | SDC-14616II-142                     | 1          | S/D CONVERTER, 14-BIT, 11.8V, 400 HZ | DDC             | 19645     |
| 5962-9205308HXC                         | SDC-14616IIT-112                    | 1          | S/D CONVERTER, 14-BIT, 11.8V, 400 HZ | DDC             | 19645     |
| 5962-9205308HXC                         | SDC-14616IIT-132                    | 1          | S/D CONVERTER, 14-BIT, 11.8V, 400 HZ | DDC             | 19645     |
| 5962-9205308HXAX                        | SDC-14616IIT-152                    | 1          | S/D CONVERTER, 14-BIT, 11.8V, 400 HZ | DDC             | 19645     |
| 5962-9205308HXAX                        | SDC-14616IIT-142                    | 1          | S/D CONVERTER, 14-BIT, 11.8V, 400 HZ | DDC             | 19645     |
| 5962-9205309HXAX                        | SDC-14615II-144                     | 1          | S/D CONVERTER, 14-BIT, 11.8V, 400 HZ | DDC             | 19645     |
| 5962-9205309HXC                         | SDC-14615II-134                     | 1          | S/D CONVERTER, 14-BIT, 11.8V, 400 HZ | DDC             | 19645     |
| 5962-9205309HXC                         | SDC-14615II-114                     | 1          | S/D CONVERTER, 14-BIT, 11.8V, 400 HZ | DDC             | 19645     |
| 5962-9205309HXAX                        | SDC-14615II-154                     | 1          | S/D CONVERTER, 14-BIT, 11.8V, 400 HZ | DDC             | 19645     |
| 5962-9205310HXC                         | SDC-14615IIT-114                    | 1          | S/D CONVERTER, 14-BIT, 11.8V, 400 HZ | DDC             | 19645     |
| 5962-9205310HXAX                        | SDC-14615IIT-144                    | 1          | S/D CONVERTER, 14-BIT, 11.8V, 400 HZ | DDC             | 19645     |
| 5962-9205310HXC                         | SDC-14615IIT-134                    | 1          | S/D CONVERTER, 14-BIT, 11.8V, 400 HZ | DDC             | 19645     |
| 5962-9205310HXAX                        | SDC-14615IIT-154                    | 1          | S/D CONVERTER, 14-BIT, 11.8V, 400 HZ | DDC             | 19645     |
| 5962-9205311HXC                         | SDC-14616II-134                     | 1          | S/D CONVERTER, 14-BIT, 11.8V, 400 HZ | DDC             | 19645     |
| 5962-9205311HXC                         | SDC-14616II-114                     | 1          | S/D CONVERTER, 14-BIT, 11.8V, 400 HZ | DDC             | 19645     |
| 5962-9205311HXAX                        | SDC-14616II-144                     | 1          | S/D CONVERTER, 14-BIT, 11.8V, 400 HZ | DDC             | 19645     |
| 5962-9205311HXAX                        | SDC-14616II-154                     | 1          | S/D CONVERTER, 14-BIT, 11.8V, 400 HZ | DDC             | 19645     |
| 5962-9205312HXAX                        | SDC-14616IIT-144                    | 1          | S/D CONVERTER, 14-BIT, 11.8V, 400 HZ | DDC             | 19645     |
| 5962-9205312HXC                         | SDC-14616IIT-134                    | 1          | S/D CONVERTER, 14-BIT, 11.8V, 400 HZ | DDC             | 19645     |
| 5962-9205312HXAX                        | SDC-14616IIT-154                    | 1          | S/D CONVERTER, 14-BIT, 11.8V, 400 HZ | DDC             | 19645     |
| 5962-9205312HXC                         | SDC-14616IIT-114                    | 1          | S/D CONVERTER, 14-BIT, 11.8V, 400 HZ | DDC             | 19645     |
| 5962-9205401HXAX                        | SDC-14612II-152                     | 1          | S/D CONVERTER, 14-BIT, 90V, 400 HZ   | DDC             | 19645     |
| 5962-9205401HXAX                        | SDC-14612II-142                     | 1          | S/D CONVERTER, 14-BIT, 90V, 400 HZ   | DDC             | 19645     |
| 5962-9205401HXC                         | SDC-14612II-112                     | 1          | S/D CONVERTER, 14-BIT, 90V, 400 HZ   | DDC             | 19645     |
| 5962-9205401HXC                         | SDC-14612II-132                     | 1          | S/D CONVERTER, 14-BIT, 90V, 400 HZ   | DDC             | 19645     |
| 5962-9205402HXAX                        | SDC-14612IIT-152                    | 1          | S/D CONVERTER, 14-BIT, 90V, 400 HZ   | DDC             | 19645     |
| 5962-9205402HXC                         | SDC-14612IIT-112                    | 1          | S/D CONVERTER, 14-BIT, 90V, 400 HZ   | DDC             | 19645     |
| 5962-9205402HXC                         | SDC-14612IIT-132                    | 1          | S/D CONVERTER, 14-BIT, 90V, 400 HZ   | DDC             | 19645     |



Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |   |                 |           |
|---|-------------------------------------|------------|---|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                      | Approved Source | CAGE Code |
| 5962-9205402HXA                         | SDC-14612IIT-142                    | 1          | S/D CONVERTER, 14-BIT, 90V, 400 HZ            | DDC             | 19645     |
| 5962-9205403HXA                         | SDC-14614II-152                     | 1          | S/D CONVERTER, 14-BIT, 90V, 60 HZ             | DDC             | 19645     |
| 5962-9205403HXC                         | SDC-14614II-132                     | 1          | S/D CONVERTER, 14-BIT, 90V, 60 HZ             | DDC             | 19645     |
| 5962-9205403HXA                         | SDC-14614II-142                     | 1          | S/D CONVERTER, 14-BIT, 90V, 60 HZ             | DDC             | 19645     |
| 5962-9205403HXC                         | SDC-14614II-112                     | 1          | S/D CONVERTER, 14-BIT, 90V, 60 HZ             | DDC             | 19645     |
| 5962-9205404HXA                         | SDC-14614IIT-152                    | 1          | S/D CONVERTER, 14-BIT, 90V, 60 HZ             | DDC             | 19645     |
| 5962-9205404HXA                         | SDC-14614IIT-142                    | 1          | S/D CONVERTER, 14-BIT, 90V, 60 HZ             | DDC             | 19645     |
| 5962-9205404HXC                         | SDC-14614IIT-132                    | 1          | S/D CONVERTER, 14-BIT, 90V, 60 HZ             | DDC             | 19645     |
| 5962-9205404HXC                         | SDC-14614IIT-112                    | 1          | S/D CONVERTER, 14-BIT, 90V, 60 HZ             | DDC             | 19645     |
| 5962-9205405HXC                         | SDC-14617II-132                     | 1          | S/D CONVERTER, 14-BIT, 90V, 400 HZ            | DDC             | 19645     |
| 5962-9205405HXA                         | SDC-14617II-142                     | 1          | S/D CONVERTER, 14-BIT, 90V, 400 HZ            | DDC             | 19645     |
| 5962-9205405HXC                         | SDC-14617II-112                     | 1          | S/D CONVERTER, 14-BIT, 90V, 400 HZ            | DDC             | 19645     |
| 5962-9205405HXA                         | SDC-14617II-152                     | 1          | S/D CONVERTER, 14-BIT, 90V, 400 HZ            | DDC             | 19645     |
| 5962-9205406HXC                         | SDC-14617IIT-112                    | 1          | S/D CONVERTER, 14-BIT, 90V, 400 HZ            | DDC             | 19645     |
| 5962-9205406HXA                         | SDC-14617IIT-152                    | 1          | S/D CONVERTER, 14-BIT, 90V, 400 HZ            | DDC             | 19645     |
| 5962-9205406HXA                         | SDC-14617IIT-142                    | 1          | S/D CONVERTER, 14-BIT, 90V, 400 HZ            | DDC             | 19645     |
| 5962-9205406HXC                         | SDC-14617IIT-132                    | 1          | S/D CONVERTER, 14-BIT, 90V, 400 HZ            | DDC             | 19645     |
| 5962-9205407HXA                         | SDC-14619II-142                     | 1          | S/D CONVERTER, 14-BIT, 90V, 60 HZ             | DDC             | 19645     |
| 5962-9205407HXC                         | SDC-14619II-112                     | 1          | S/D CONVERTER, 14-BIT, 90V, 60 HZ             | DDC             | 19645     |
| 5962-9205407HXA                         | SDC-14619II-152                     | 1          | S/D CONVERTER, 14-BIT, 90V, 60 HZ             | DDC             | 19645     |
| 5962-9205407HXC                         | SDC-14619II-132                     | 1          | S/D CONVERTER, 14-BIT, 90V, 60 HZ             | DDC             | 19645     |
| 5962-9205408HXA                         | SDC-14619IIT-142                    | 1          | S/D CONVERTER, 14-BIT, 90V, 60 HZ             | DDC             | 19645     |
| 5962-9205408HXA                         | SDC-14619IIT-152                    | 1          | S/D CONVERTER, 14-BIT, 90V, 60 HZ             | DDC             | 19645     |
| 5962-9205408HXC                         | SDC-14619IIT-112                    | 1          | S/D CONVERTER, 14-BIT, 90V, 60 HZ             | DDC             | 19645     |
| 5962-9205408HXC                         | SDC-14619IIT-132                    | 1          | S/D CONVERTER, 14-BIT, 90V, 60 HZ             | DDC             | 19645     |
| 5962-9205409HXA                         | SDC-14617II-154                     | 1          | S/D CONVERTER, 14-BIT, 90V, 400 HZ            | DDC             | 19645     |
| 5962-9205409HXA                         | SDC-14617II-144                     | 1          | S/D CONVERTER, 14-BIT, 90V, 400 HZ            | DDC             | 19645     |
| 5962-9205409HXC                         | SDC-14617II-134                     | 1          | S/D CONVERTER, 14-BIT, 90V, 400 HZ            | DDC             | 19645     |
| 5962-9205409HXC                         | SDC-14617II-114                     | 1          | S/D CONVERTER, 14-BIT, 90V, 400 HZ            | DDC             | 19645     |
| 5962-9205410HXC                         | SDC-14617IIT-134                    | 1          | S/D CONVERTER, 14-BIT, 90V, 400 HZ            | DDC             | 19645     |
| 5962-9205410HXC                         | SDC-14617IIT-114                    | 1          | S/D CONVERTER, 14-BIT, 90V, 400 HZ            | DDC             | 19645     |
| 5962-9205410HXA                         | SDC-14617IIT-154                    | 1          | S/D CONVERTER, 14-BIT, 90V, 400 HZ            | DDC             | 19645     |
| 5962-9205410HXA                         | SDC-14617IIT-144                    | 1          | S/D CONVERTER, 14-BIT, 90V, 400 HZ            | DDC             | 19645     |
| 5962-9205411HXA                         | SDC-14619II-154                     | 1          | S/D CONVERTER, 14-BIT, 90V, 60 HZ             | DDC             | 19645     |
| 5962-9205411HXA                         | SDC-14619II-144                     | 1          | S/D CONVERTER, 14-BIT, 90V, 60 HZ             | DDC             | 19645     |
| 5962-9205411HXC                         | SDC-14619II-134                     | 1          | S/D CONVERTER, 14-BIT, 90V, 60 HZ             | DDC             | 19645     |
| 5962-9205411HXC                         | SDC-14619II-114                     | 1          | S/D CONVERTER, 14-BIT, 90V, 60 HZ             | DDC             | 19645     |
| 5962-9205412HXC                         | SDC-14619IIT-134                    | 1          | S/D CONVERTER, 14-BIT, 90V, 60 HZ             | DDC             | 19645     |
| 5962-9205412HXA                         | SDC-14619IIT-154                    | 1          | S/D CONVERTER, 14-BIT, 90V, 60 HZ             | DDC             | 19645     |
| 5962-9205412HXA                         | SDC-14619IIT-144                    | 1          | S/D CONVERTER, 14-BIT, 90V, 60 HZ             | DDC             | 19645     |
| 5962-9205412HXC                         | SDC-14619IIT-114                    | 1          | S/D CONVERTER, 14-BIT, 90V, 60 HZ             | DDC             | 19645     |
| 5962-9205501HXC                         | SDC-14613II-132                     | 1          | DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ | DDC             | 19645     |
| 5962-9205501HXA                         | SDC-14613II-152                     | 1          | DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ | DDC             | 19645     |
| 5962-9205501HXA                         | SDC-14613II-142                     | 1          | DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ | DDC             | 19645     |
| 5962-9205501HXC                         | SDC-14613II-112                     | 1          | DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ | DDC             | 19645     |
| 5962-9205502HXC                         | SDC-14613IIT-112                    | 1          | DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ | DDC             | 19645     |
| 5962-9205502HXC                         | SDC-14613IIT-132                    | 1          | DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ | DDC             | 19645     |

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |   |                 |           |
|---|-------------------------------------|------------|---|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                                    | Approved Source | CAGE Code |
| 5962-9205502HXA                         | SDC-14613IIT-142                    | 1          | DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ               | DDC             | 19645     |
| 5962-9205502HXA                         | SDC-14613IIT-152                    | 1          | DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ               | DDC             | 19645     |
| 5962-9205503HXA                         | SDC-14618II-152                     | 1          | DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ               | DDC             | 19645     |
| 5962-9205503HXC                         | SDC-14618II-132                     | 1          | DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ               | DDC             | 19645     |
| 5962-9205503HXA                         | SDC-14618II-142                     | 1          | DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ               | DDC             | 19645     |
| 5962-9205503HXC                         | SDC-14618II-112                     | 1          | DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ               | DDC             | 19645     |
| 5962-9205504HXA                         | SDC-14618IIT-152                    | 1          | DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ               | DDC             | 19645     |
| 5962-9205504HXC                         | SDC-14618IIT-132                    | 1          | DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ               | DDC             | 19645     |
| 5962-9205504HXA                         | SDC-14618IIT-142                    | 1          | DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ               | DDC             | 19645     |
| 5962-9205504HXC                         | SDC-14618IIT-112                    | 1          | DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ               | DDC             | 19645     |
| 5962-9205505HXA                         | SDC-14618II-144                     | 1          | DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ               | DDC             | 19645     |
| 5962-9205505HXC                         | SDC-14618II-134                     | 1          | DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ               | DDC             | 19645     |
| 5962-9205505HXC                         | SDC-14618II-114                     | 1          | DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ               | DDC             | 19645     |
| 5962-9205505HXA                         | SDC-14618II-154                     | 1          | DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ               | DDC             | 19645     |
| 5962-9205506HXC                         | SDC-14618IIT-114                    | 1          | DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ               | DDC             | 19645     |
| 5962-9205506HXA                         | SDC-14618IIT-144                    | 1          | DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ               | DDC             | 19645     |
| 5962-9205506HXC                         | SDC-14618IIT-134                    | 1          | DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ               | DDC             | 19645     |
| 5962-9205506HXA                         | SDC-14618IIT-154                    | 1          | DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ               | DDC             | 19645     |
| 5962-9206107HZC                         | ACT4458-201-1                       | 1          | TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, +5V (STANBY LOW)   | Aeroflex        | 88379     |
| 5962-9206107HZA                         | ACT4458-201-2                       | 1          | TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, +5V (STANBY LOW)   | Aeroflex        | 88379     |
| 5962-9206108HZC                         | ACT4464-201-1                       | 1          | TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, +5V (STANDBY HIGH) | Aeroflex        | 88379     |
| 5962-9206108HZA                         | ACT4464-201-2                       | 1          | TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, +5V (STANDBY HIGH) | Aeroflex        | 88379     |
| 5962-9206109HZC                         | ACT4460-201-1                       | 1          | TRANSCEIVER, MAC-AIR, DUAL CHANNEL, +5V (STANDBY LOW)       | Aeroflex        | 88379     |
| 5962-9206109HZA                         | ACT4460-201-2                       | 1          | TRANSCEIVER, MAC-AIR, DUAL CHANNEL, +5V (STANDBY LOW)       | Aeroflex        | 88379     |
| 5962-9206110HZC                         | ACT4454-201-1                       | 1          | TRANSCEIVER, MAC-AIR, DUAL CHANNEL, +5V (STANDBY HIGH)      | Aeroflex        | 88379     |
| 5962-9206110HZA                         | ACT4454-201-2                       | 1          | TRANSCEIVER, MAC-AIR, DUAL CHANNEL, +5V (STANDBY HIGH)      | Aeroflex        | 88379     |
| 5962-9207301HXA                         | MN5100MXA                           | 1          | A/D CONVERTER, 8-BIT, 1.5 μS                                | Spectrum (Worc  | 50507     |
| 5962-9207301HXC                         | MN5100MXC                           | 1          | A/D CONVERTER, 8-BIT, 1.5 μS                                | Spectrum (Worc  | 50507     |
| 5962-9207302HXC                         | MN5101MXC                           | 1          | A/D CONVERTER, 8-BIT, 900 NS                                | Spectrum (Worc  | 50507     |
| 5962-9207302HXA                         | MN5101MXA                           | 1          | A/D CONVERTER, 8-BIT, 900 NS                                | Spectrum (Worc  | 50507     |
| 5962-9207801HTC                         | WS512K8-120CQ                       | 1          | STATIC RAM, 512K X 8, 120 NS ACCESS TIME                    | White           | 54230     |
| 5962-9207801HXC                         | WS-512K8-120CQ                      | 1          | STATIC RAM, 512K X 8, 120 NS ACCESS TIME                    | White           | 54230     |
| 5962-9207801HXA                         | WS-512K8-120CQA                     | 1          | STATIC RAM, 512K X 8, 120 NS ACCESS TIME                    | White           | 54230     |
| 5962-9207801HTA                         | WS512K8-120CQA                      | 1          | STATIC RAM, 512K X 8, 120 NS ACCESS TIME                    | White           | 54230     |
| 5962-9207802HTC                         | WS512K8-100CQ                       | 1          | STATIC RAM, 512K X 8, 100 NS ACCESS TIME                    | White           | 54230     |
| 5962-9207802HTA                         | WS512K8-100CQA                      | 1          | STATIC RAM, 512K X 8, 100 NS ACCESS TIME                    | White           | 54230     |
| 5962-9207802HXC                         | WS-512K8-100CQ                      | 1          | STATIC RAM, 512K X 8, 100 NS ACCESS TIME                    | White           | 54230     |
| 5962-9207802HXA                         | WS-512K8-100CQA                     | 1          | STATIC RAM, 512K X 8, 100 NS ACCESS TIME                    | White           | 54230     |
| 5962-9207803HTA                         | WS512K8-85CQA                       | 1          | STATIC RAM, 512K X 8, 85 NS ACCESS TIME                     | White           | 54230     |
| 5962-9207803HXA                         | WS-512K8-85CQA                      | 1          | STATIC RAM, 512K X 8, 85 NS ACCESS TIME                     | White           | 54230     |
| 5962-9207803HTC                         | WS512K8-85CQ                        | 1          | STATIC RAM, 512K X 8, 85 NS ACCESS TIME                     | White           | 54230     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description   | Approved Source | CAGE Code |
| 5962-9207803HXC                         | WS-512K8-85CQ                       | 1          | STATIC RAM, 512K X 8, 85 NS ACCESS TIME                            | White           | 54230     |
| 5962-9207804HTC                         | WS512K8-70CQ                        | 1          | STATIC RAM, 512K X 8, 70 NS ACCESS TIME                            | White           | 54230     |
| 5962-9207804HTA                         | WS512K8-70CQA                       | 1          | STATIC RAM, 512K X 8, 70 NS ACCESS TIME                            | White           | 54230     |
| 5962-9207804HXA                         | WS-512K8-70CQA                      | 1          | STATIC RAM, 512K X 8, 70 NS ACCESS TIME                            | White           | 54230     |
| 5962-9207804HXC                         | WS-512K8-70CQ                       | 1          | STATIC RAM, 512K X 8, 70 NS ACCESS TIME                            | White           | 54230     |
| 5962-9207805HTC                         | WS512K8-55CQ                        | 1          | STATIC RAM, 512K X 8, 55 NS ACCESS TIME                            | White           | 54230     |
| 5962-9207805HTA                         | WS512K8-55CQA                       | 1          | STATIC RAM, 512K X 8, 55 NS ACCESS TIME                            | White           | 54230     |
| 5962-9207805HXC                         | WS-512K8-55CQ                       | 1          | STATIC RAM, 512K X 8, 55 NS ACCESS TIME                            | White           | 54230     |
| 5962-9207805HXA                         | WS-512K8-55CQA                      | 1          | STATIC RAM, 512K X 8, 55 NS ACCESS TIME                            | White           | 54230     |
| 5962-9207806HTC                         | WS512K8-45CQ                        | 1          | STATIC RAM, 512K X 8, 45 NS ACCESS TIME                            | White           | 54230     |
| 5962-9207806HTA                         | WS-512K8-45CQA                      | 1          | STATIC RAM, 512K X 8, 45 NS ACCESS TIME                            | White           | 54230     |
| 5962-9207806HXC                         | WS-512K8-45CQ                       | 1          | STATIC RAM, 512K X 8, 45 NS ACCESS TIME                            | White           | 54230     |
| 5962-9207806HXA                         | WS512K8-45CQA                       | 1          | STATIC RAM, 512K X 8, 45 NS ACCESS TIME                            | White           | 54230     |
| 5962-9207807HTC                         | WS-512K8-35CQ                       | 1          | STATIC RAM, 512K X 8, 35 NS ACCESS TIME                            | White           | 54230     |
| 5962-9207807HTA                         | WS512K8-35CQA                       | 1          | STATIC RAM, 512K X 8, 35 NS ACCESS TIME                            | White           | 54230     |
| 5962-9207807HXA                         | WS-512K8-35CQA                      | 1          | STATIC RAM, 512K X 8, 35 NS ACCESS TIME                            | White           | 54230     |
| 5962-9207807HTC                         | WS512K8-35CQ                        | 1          | STATIC RAM, 512K X 8, 35 NS ACCESS TIME                            | White           | 54230     |
| 5962-9207808HTA                         | WS512K8-25CQA                       | 1          | STATIC RAM, 512K X 8, 25 NS ACCESS TIME                            | White           | 54230     |
| 5962-9207808HXA                         | WS-512K8-25CQA                      | 1          | STATIC RAM, 512K X 8, 25 NS ACCESS TIME                            | White           | 54230     |
| 5962-9207808HTC                         | WS512K8-25CQ                        | 1          | STATIC RAM, 512K X 8, 25 NS ACCESS TIME                            | White           | 54230     |
| 5962-9207808HXC                         | WS-512K8-25CQ                       | 1          | STATIC RAM, 512K X 8, 25 NS ACCESS TIME                            | White           | 54230     |
| 5962-9207809HTA                         | WS512K8-20CQA                       | 1          | STATIC RAM, 512K X 8   | White           | 54230     |
| 5962-9207809HXC                         | WS-512K8-20CQ                       | 1          | STATIC RAM, 512K X 8   | White           | 54230     |
| 5962-9207809HTC                         | WS512K8-20CQ                        | 1          | STATIC RAM, 512K X 8   | White           | 54230     |
| 5962-9207809HXA                         | WS-512K8-20CQA                      | 1          | STATIC RAM, 512K X 8   | White           | 54230     |
| 5962-9208502HXA                         | ARX4451                             | 1          | DRIVER-RECEIVER (UNIVERSAL TRANSCEIVER), SINGLE CHANNEL, LOW POWER | Aeroflex        | 88379     |
| 5962-9208502HYA                         | ARX4451FP                           | 1          | DRIVER-RECEIVER (UNIVERSAL TRANSCEIVER), SINGLE CHANNEL, LOW POWER | Aeroflex        | 88379     |
| 5962-9208502HYC                         | ARX4451FP                           | 1          | DRIVER-RECEIVER (UNIVERSAL TRANSCEIVER), SINGLE CHANNEL, LOW POWER | Aeroflex        | 88379     |
| 5962-9208502HXC                         | ARX4451                             | 1          | DRIVER-RECEIVER (UNIVERSAL TRANSCEIVER), SINGLE CHANNEL, LOW POWER | Aeroflex        | 88379     |
| 5962-9208503HYC                         | ARX4418FP                           | 1          | DRIVER-RECEIVER (UNIVERSAL TRANSCEIVER), SINGLE CHANNEL, LOW POWER | Aeroflex        | 88379     |
| 5962-9208503HYA                         | ARX4418FP                           | 1          | DRIVER-RECEIVER (UNIVERSAL TRANSCEIVER), SINGLE CHANNEL, LOW POWER | Aeroflex        | 88379     |
| 5962-9208503HXC                         | ARX4418                             | 1          | DRIVER-RECEIVER (UNIVERSAL TRANSCEIVER), SINGLE CHANNEL, LOW POWER | Aeroflex        | 88379     |
| 5962-9208503HXA                         | ARX4418                             | 1          | DRIVER-RECEIVER (UNIVERSAL TRANSCEIVER), SINGLE CHANNEL, LOW POWER | Aeroflex        | 88379     |
| 5962-9208505HXA                         | FC155377                            | 1          | DRIVER-RECEIVER (UNIVERSAL TRANSCEIVER), SINGLE CHANNEL, LOW POWER | C-MAC           | U4388     |
| 5962-9208505HYA                         | FC155377FP                          | 1          | DRIVER-RECEIVER (UNIVERSAL TRANSCEIVER), SINGLE CHANNEL, LOW POWER | C-MAC           | U4388     |
| 5962-9208505HYC                         | FC155377FP                          | 1          | DRIVER-RECEIVER (UNIVERSAL TRANSCEIVER), SINGLE CHANNEL, LOW POWER | C-MAC           | U4388     |
| 5962-9208505HXC                         | FC155377                            | 1          | DRIVER-RECEIVER (UNIVERSAL TRANSCEIVER), SINGLE CHANNEL, LOW POWER | C-MAC           | U4388     |
| 5962-9210901HZA                         | ATW2812D/CH                         | 1          | DC/DC CONVERTER, 30W, ±12V   | IR Santa Clara  | 52467     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |   |                 |           |
|---|-------------------------------------|------------|---|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                      | Approved Source | CAGE Code |
| 5962-9210902HZA                         | ATW2812D/CH-SLV                     | 1          | DC/DC CONVERTER, 30W, ±12V                    | IR Santa Clara  | 52467     |
| 5962-9210903HZA                         | ATW2812D/CH-MSTR                    | 1          | DC/DC CONVERTER, 30W, ±12V                    | IR Santa Clara  | 52467     |
| 5962-9211001HZA                         | ATW2812S/CH                         | 1          | DC/DC CONVERTER, 30W, 12V OUTPUT              | IR Santa Clara  | 52467     |
| 5962-9211002HZA                         | ATW2812S/CH-SLV                     | 1          | DC/DC CONVERTER, 30W, 12V OUTPUT              | IR Santa Clara  | 52467     |
| 5962-9211003HZA                         | ATW2812S/CH-MSTR                    | 1          | DC/DC CONVERTER, 30W, 12V OUTPUT              | IR Santa Clara  | 52467     |
| 5962-9211101HXC                         | AHF2812D/CH                         | 1          | DC/DC CONVERTER, 12W, ±12V OUTPUT             | IR Santa Clara  | 52467     |
| 5962-9211101HZA                         | AHF2812DF/CH                        | 1          | DC/DC CONVERTER, 12W, ±12V OUTPUT             | IR Santa Clara  | 52467     |
| 5962-9211101HZC                         | AHF2812DF/CH                        | 1          | DC/DC CONVERTER, 12W, ±12V OUTPUT             | IR Santa Clara  | 52467     |
| 5962-9211101HXA                         | AHF2812D/CH                         | 1          | DC/DC CONVERTER, 12W, ±12V OUTPUT             | IR Santa Clara  | 52467     |
| 5962-9211201HZA                         | AHV2812SF/CH                        | 1          | DC/DC CONVERTER, 15W, 12V OUTPUT              | IR Santa Clara  | 52467     |
| 5962-9211301HZA                         | AHV2815SF/CH                        | 1          | DC/DC CONVERTER, 15W, 15V OUTPUT              | IR Santa Clara  | 52467     |
| 5962-9211401HZA                         | AHV2812DF/CH                        | 1          | DC/DC CONVERTER, 15W, ±12V, DUAL OUTPUT       | IR Santa Clara  | 52467     |
| 5962-9211501HZA                         | AHV2812TF/CH                        | 1          | DC/DC CONVERTER, 15W, +5V, ±12V TRIPLE OUTPUT | IR Santa Clara  | 52467     |
| 5962-9211601HZA                         | AHV2815TF/CH                        | 1          | DC/DC CONVERTER, 15W, +5V, ±15V TRIPLE OUTPUT | IR Santa Clara  | 52467     |
| 5962-9213901HZA                         | MHF+2805SF/883                      | 1          | DC/DC CONVERTER, 12W, 5V OUTPUT               | Crane           | 50821     |
| 5962-9213901HXC                         | MHF+2805S/883                       | 1          | DC/DC CONVERTER, 12W, 5V OUTPUT               | Crane           | 50821     |
| 5962-9213901HXA                         | MHF+2805S/883                       | 1          | DC/DC CONVERTER, 12W, 5V OUTPUT               | Crane           | 50821     |
| 5962-9213901HZC                         | MHF+2805SF/883                      | 1          | DC/DC CONVERTER, 12W, 5V OUTPUT               | Crane           | 50821     |
| 5962R9213902HXA                         | SMHF2805S/HR                        | 1          | DC/DC CONVERTER, 12W, 5V OUTPUT               | Crane           | 50821     |
| 5962L9213902HZC                         | SMHF2805SF/HL                       | 1          | DC/DC CONVERTER, 12W, 5V OUTPUT               | Crane           | 50821     |
| 5962L9213902HZA                         | SMHF2805SF/HL                       | 1          | DC/DC CONVERTER, 12W, 5V OUTPUT               | Crane           | 50821     |
| 5962R9213902KXC                         | SMHF2805S/KR                        | 1          | DC/DC CONVERTER, 12W, 5V OUTPUT               | Crane           | 50821     |
| 5962R9213902KXA                         | SMHF2805S/KR                        | 1          | DC/DC CONVERTER, 12W, 5V OUTPUT               | Crane           | 50821     |
| 5962P9213902KXC                         | SMHF2805S/KP                        | 1          | DC/DC CONVERTER, 12W, 5V OUTPUT               | Crane           | 50821     |
| 5962-9213902HZA                         | SMHF2805SF/HO                       | 1          | DC/DC CONVERTER, 12W, 5V OUTPUT               | Crane           | 50821     |
| 5962-9213902HZC                         | SMHF2805SF/HO                       | 1          | DC/DC CONVERTER, 12W, 5V OUTPUT               | Crane           | 50821     |
| 5962P9213902KXA                         | SMHF2805S/KP                        | 1          | DC/DC CONVERTER, 12W, 5V OUTPUT               | Crane           | 50821     |
| 5962L9213902KXC                         | SMHF2805S/KL                        | 1          | DC/DC CONVERTER, 12W, 5V OUTPUT               | Crane           | 50821     |
| 5962P9213902HZA                         | SMHF2805SF/HP                       | 1          | DC/DC CONVERTER, 12W, 5V OUTPUT               | Crane           | 50821     |
| 5962R9213902HXC                         | SMHF2805S/HR                        | 1          | DC/DC CONVERTER, 12W, 5V OUTPUT               | Crane           | 50821     |
| 5962R9213902KZC                         | SMHF2805SF/KR                       | 1          | DC/DC CONVERTER, 12W, 5V OUTPUT               | Crane           | 50821     |
| 5962P9213902HXC                         | SMHF2805S/HP                        | 1          | DC/DC CONVERTER, 12W, 5V OUTPUT               | Crane           | 50821     |
| 5962P9213902HXA                         | SMHF2805S/HP                        | 1          | DC/DC CONVERTER, 12W, 5V OUTPUT               | Crane           | 50821     |
| 5962-9213902HXC                         | SMHF2805S/HO                        | 1          | DC/DC CONVERTER, 12W, 5V OUTPUT               | Crane           | 50821     |
| 5962-9213902HXA                         | SMHF2805S/HO                        | 1          | DC/DC CONVERTER, 12W, 5V OUTPUT               | Crane           | 50821     |
| 5962L9213902KXA                         | SMHF2805S/KL                        | 1          | DC/DC CONVERTER, 12W, 5V OUTPUT               | Crane           | 50821     |
| 5962L9213902HXA                         | SMHF2805S/HL                        | 1          | DC/DC CONVERTER, 12W, 5V OUTPUT               | Crane           | 50821     |
| 5962R9213902HZA                         | SMHF2805SF/HR                       | 1          | DC/DC CONVERTER, 12W, 5V OUTPUT               | Crane           | 50821     |
| 5962R9213902HZC                         | SMHF2805SF/HR                       | 1          | DC/DC CONVERTER, 12W, 5V OUTPUT               | Crane           | 50821     |
| 5962L9213902KZA                         | SMHF2805SF/KL                       | 1          | DC/DC CONVERTER, 12W, 5V OUTPUT               | Crane           | 50821     |
| 5962L9213902KZC                         | SMHF2805SF/KL                       | 1          | DC/DC CONVERTER, 12W, 5V OUTPUT               | Crane           | 50821     |
| 5962P9213902KZA                         | SMHF2805SF/KP                       | 1          | DC/DC CONVERTER, 12W, 5V OUTPUT               | Crane           | 50821     |
| 5962R9213902KZA                         | SMHF2805SF/KR                       | 1          | DC/DC CONVERTER, 12W, 5V OUTPUT               | Crane           | 50821     |
| 5962L9213902HXC                         | SMHF2805S/HL                        | 1          | DC/DC CONVERTER, 12W, 5V OUTPUT               | Crane           | 50821     |
| 5962P9213902HZC                         | SMHF2805SF/HP                       | 1          | DC/DC CONVERTER, 12W, 5V OUTPUT               | Crane           | 50821     |
| 5962P9213902KZC                         | SMHF2805SF/KP                       | 1          | DC/DC CONVERTER, 12W, 5V OUTPUT               | Crane           | 50821     |
| 5962-9214401HXA                         | MHF+2812D/883                       | 1          | DC/DC CONVERTER, 15W, ±12V OUTPUT             | Crane           | 50821     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |   |                 |           |
|---|-------------------------------------|------------|---|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                            | Approved Source | CAGE Code |
| 5962-9214401HXC                         | MHF+2812D/883                       | 1          | DC/DC CONVERTER, 15W, ±12V OUTPUT                   | Crane           | 50821     |
| 5962-9214401HYA                         | MHF+2812D/883-MOD                   | 1          | DC/DC CONVERTER, 15W, ±12V OUTPUT                   | Crane           | 50821     |
| 5962-9214401HYC                         | MHF+2812D/883-MOD                   | 1          | DC/DC CONVERTER, 15W, ±12V OUTPUT                   | Crane           | 50821     |
| 5962-9214401HZC                         | MHF+2812DF/883                      | 1          | DC/DC CONVERTER, 15W, ±12V OUTPUT                   | Crane           | 50821     |
| 5962-9214401HZA                         | MHF+2812DF/883                      | 1          | DC/DC CONVERTER, 15W, ±12V OUTPUT                   | Crane           | 50821     |
| 5962P9214402HXA                         | SMHF2812D/HP                        | 1          | DC/DC CONVERTER, 15W, ±12V OUTPUT                   | Crane           | 50821     |
| 5962R9214402KXC                         | SMHF2812D/KR                        | 1          | DC/DC CONVERTER, 15W, ±12V OUTPUT                   | Crane           | 50821     |
| 5962L9214402HZA                         | SMHF2812DF/HL                       | 1          | DC/DC CONVERTER, 15W, ±12V OUTPUT                   | Crane           | 50821     |
| 5962R9214402KZC                         | SMHF2812DF/KR                       | 1          | DC/DC CONVERTER, 15W, ±12V OUTPUT                   | Crane           | 50821     |
| 5962P9214402KZC                         | SMHF2812DF/KP                       | 1          | DC/DC CONVERTER, 15W, ±12V OUTPUT                   | Crane           | 50821     |
| 5962P9214402KZA                         | SMHF2812DF/KP                       | 1          | DC/DC CONVERTER, 15W, ±12V OUTPUT                   | Crane           | 50821     |
| 5962L9214402KZC                         | SMHF2812DF/KL                       | 1          | DC/DC CONVERTER, 15W, ±12V OUTPUT                   | Crane           | 50821     |
| 5962L9214402KZA                         | SMHF2812DF/KL                       | 1          | DC/DC CONVERTER, 15W, ±12V OUTPUT                   | Crane           | 50821     |
| 5962R9214402HZC                         | SMHF2812DF/HR                       | 1          | DC/DC CONVERTER, 15W, ±12V OUTPUT                   | Crane           | 50821     |
| 5962R9214402HZA                         | SMHF2812DF/HR                       | 1          | DC/DC CONVERTER, 15W, ±12V OUTPUT                   | Crane           | 50821     |
| 5962P9214402HZC                         | SMHF2812DF/HP                       | 1          | DC/DC CONVERTER, 15W, ±12V OUTPUT                   | Crane           | 50821     |
| 5962P9214402HZA                         | SMHF2812DF/HP                       | 1          | DC/DC CONVERTER, 15W, ±12V OUTPUT                   | Crane           | 50821     |
| 5962-9214402HZC                         | SMHF2812DF/HO                       | 1          | DC/DC CONVERTER, 15W, ±12V OUTPUT                   | Crane           | 50821     |
| 5962P9214402KXC                         | SMHF2812D/KP                        | 1          | DC/DC CONVERTER, 15W, ±12V OUTPUT                   | Crane           | 50821     |
| 5962L9214402HZC                         | SMHF2812DF/HL                       | 1          | DC/DC CONVERTER, 15W, ±12V OUTPUT                   | Crane           | 50821     |
| 5962L9214402HXA                         | SMHF2812D/HL                        | 1          | DC/DC CONVERTER, 15W, ±12V OUTPUT                   | Crane           | 50821     |
| 5962R9214402KXA                         | SMHF2812D/KR                        | 1          | DC/DC CONVERTER, 15W, ±12V OUTPUT                   | Crane           | 50821     |
| 5962R9214402KZA                         | SMHF2812DF/KR                       | 1          | DC/DC CONVERTER, 15W, ±12V OUTPUT                   | Crane           | 50821     |
| 5962P9214402KXA                         | SMHF2812D/KP                        | 1          | DC/DC CONVERTER, 15W, ±12V OUTPUT                   | Crane           | 50821     |
| 5962L9214402KXC                         | SMHF2812D/KL                        | 1          | DC/DC CONVERTER, 15W, ±12V OUTPUT                   | Crane           | 50821     |
| 5962L9214402KXA                         | SMHF2812D/KL                        | 1          | DC/DC CONVERTER, 15W, ±12V OUTPUT                   | Crane           | 50821     |
| 5962R9214402HXC                         | SMHF2812D/HR                        | 1          | DC/DC CONVERTER, 15W, ±12V OUTPUT                   | Crane           | 50821     |
| 5962R9214402HXA                         | SMHF2812D/HR                        | 1          | DC/DC CONVERTER, 15W, ±12V OUTPUT                   | Crane           | 50821     |
| 5962P9214402HXC                         | SMHF2812D/HP                        | 1          | DC/DC CONVERTER, 15W, ±12V OUTPUT                   | Crane           | 50821     |
| 5962-9214402HXC                         | SMHF2812D/HO                        | 1          | DC/DC CONVERTER, 15W, ±12V OUTPUT                   | Crane           | 50821     |
| 5962L9214402HXC                         | SMHF2812D/HL                        | 1          | DC/DC CONVERTER, 15W, ±12V OUTPUT                   | Crane           | 50821     |
| 5962-9214402HZA                         | SMHF2812DF/HO                       | 1          | DC/DC CONVERTER, 15W, ±12V OUTPUT                   | Crane           | 50821     |
| 5962-9214402HXA                         | SMHF2812D/HO                        | 1          | DC/DC CONVERTER, 15W, ±12V OUTPUT                   | Crane           | 50821     |
| 5962-9215202GXA                         | MSK 184G                            | 1          | OP AMP, DUAL, HIGH POWER                            | MSK             | 51651     |
| 5962-9215202GXC                         | MSK 184G                            | 1          | OP AMP, DUAL, HIGH POWER                            | MSK             | 51651     |
| 5962-9215203GYA                         | MSK 181G                            | 1          | OP AMP, SINGLE, HIGH POWER                          | MSK             | 51651     |
| 5962-9215203GZC                         | MSK 181GZ                           | 1          | OP AMP, SINGLE, HIGH POWER                          | MSK             | 51651     |
| 5962-9215203GZA                         | MSK 181GZ                           | 1          | OP AMP, SINGLE, HIGH POWER                          | MSK             | 51651     |
| 5962-9215203GYC                         | MSK 181G                            | 1          | OP AMP, SINGLE, HIGH POWER                          | MSK             | 51651     |
| 5962-9215901HZA                         | ATR2815TF/CH                        | 1          | DC/DC CONVERTER, 30W, +5V, ±15V TRIPLE OUTPUT       | IR Santa Clara  | 52467     |
| 5962-9215901HXA                         | ATR2815T/CH                         | 1          | DC/DC CONVERTER, 30W, +5V, ±15V TRIPLE OUTPUT       | IR Santa Clara  | 52467     |
| 5962-9216201HYC                         | BUS-65163II-110                     | 1          | BUS INTERFACE UNIT, REMOTE TERMINAL, DUAL REDUNDANT | DDC             | 19645     |
| 5962-9216201HYA                         | BUS-65163II-140                     | 1          | BUS INTERFACE UNIT, REMOTE TERMINAL, DUAL REDUNDANT | DDC             | 19645     |
| 5962-9216201HXA                         | BUS-65153II-140                     | 1          | BUS INTERFACE UNIT, REMOTE TERMINAL, DUAL REDUNDANT | DDC             | 19645     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |   |                 |           |
|---|-------------------------------------|------------|---|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description  | Approved Source | CAGE Code |
| 5962-9216201HXC                         | BUS-65153II-110                     | 1          | BUS INTERFACE UNIT, REMOTE TERMINAL, DUAL REDUNDANT                   | DDC             | 19645     |
| 5962-9216202HYA                         | BUS-65164II-140                     | 1          | BUS INTERFACE UNIT, REMOTE TERMINAL, DUAL REDUNDANT                   | DDC             | 19645     |
| 5962-9216202HXC                         | BUS-65154II-110                     | 1          | BUS INTERFACE UNIT, REMOTE TERMINAL, DUAL REDUNDANT                   | DDC             | 19645     |
| 5962-9216202HXA                         | BUS-65154II-140                     | 1          | BUS INTERFACE UNIT, REMOTE TERMINAL, DUAL REDUNDANT                   | DDC             | 19645     |
| 5962-9216202HYC                         | BUS-65164II-110                     | 1          | BUS INTERFACE UNIT, REMOTE TERMINAL, DUAL REDUNDANT                   | DDC             | 19645     |
| 5962-9225302HXC                         | MN6450SMXC                          | 1          | A/D CONVERTER, 16-BIT SAMPLING  | Spectrum (Worc  | 50507     |
| 5962-9225302HXA                         | MN6450SMXA                          | 1          | A/D CONVERTER, 16-BIT SAMPLING  | Spectrum (Worc  | 50507     |
| 5962-9235101HZC                         | AHF2815DF/CH                        | 1          | DC/DC CONVERTER, 12W, ±15V OUTPUT                                     | IR Santa Clara  | 52467     |
| 5962-9235101HZA                         | AHF2815DF/CH                        | 1          | DC/DC CONVERTER, 12W, ±15V OUTPUT                                     | IR Santa Clara  | 52467     |
| 5962-9235101HXC                         | AHF2815D/CH                         | 1          | DC/DC CONVERTER, 12W, ±15V OUTPUT                                     | IR Santa Clara  | 52467     |
| 5962-9235101HXA                         | AHF2815D/CH                         | 1          | DC/DC CONVERTER, 12W, ±15V OUTPUT                                     | IR Santa Clara  | 52467     |
| 5962-9306501HYC                         | BU-65170V1-110                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5/-15V TRANSCEIVER | DDC             | 19645     |
| 5962-9306501HYA                         | BU-65170V1-150                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5/-15V TRANSCEIVER | DDC             | 19645     |
| 5962-9306501HZC                         | BU-65170J1-130                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5/-15V TRANSCEIVER | DDC             | 19645     |
| 5962-9306501HYA                         | BU-65170V1-140                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5/-15V TRANSCEIVER | DDC             | 19645     |
| 5962-9306501HYC                         | BU-65170V1-130                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5/-15V TRANSCEIVER | DDC             | 19645     |
| 5962-9306501HXA                         | BU-65170S1-140                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5/-15V TRANSCEIVER | DDC             | 19645     |
| 5962-9306501HZC                         | BU-65170J1-110                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5/-15V TRANSCEIVER | DDC             | 19645     |
| 5962-9306501HXC                         | BU-65170S1-110                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5/-15V TRANSCEIVER | DDC             | 19645     |
| 5962-9306501HXA                         | BU-65170S1-150                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5/-15V TRANSCEIVER | DDC             | 19645     |
| 5962-9306501HXC                         | BU-65170S1-130                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5/-15V TRANSCEIVER | DDC             | 19645     |
| 5962-9306502HXA                         | BU-65170S2-140                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5/-12V TRANSCEIVER | DDC             | 19645     |
| 5962-9306502HXC                         | BU-65170S2-130                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5/-12V TRANSCEIVER | DDC             | 19645     |
| 5962-9306502HXC                         | BU-65170S2-110                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5/-12V TRANSCEIVER | DDC             | 19645     |
| 5962-9306502HYC                         | BU-65170V2-110                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5/-12V TRANSCEIVER | DDC             | 19645     |
| 5962-9306502HYC                         | BU-65170V2-130                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5/-12V TRANSCEIVER | DDC             | 19645     |
| 5962-9306502HYA                         | BU-65170V2-140                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5/-12V TRANSCEIVER | DDC             | 19645     |
| 5962-9306502HXA                         | BU-65170S2-150                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5/-12V TRANSCEIVER | DDC             | 19645     |
| 5962-9306502HZC                         | BU-65170J2-110                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5/-12V TRANSCEIVER | DDC             | 19645     |
| 5962-9306502HZC                         | BU-65170J2-130                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5/-12V TRANSCEIVER | DDC             | 19645     |

**Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing**

**PRODUCT ELIGIBILITY:** The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

**DLA Land and Maritime - VQ**

**Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH**

**Approved Source Master Product Listing**

| Sorted by Standard Microcircuit Drawing |                                     |            |   |                 |           |
|---|-------------------------------------|------------|---|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description  | Approved Source | CAGE Code |
| 5962-9306502HYA                         | BU-65170V2-150                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5/-12V TRANSCEIVER       | DDC             | 19645     |
| 5962-9306503HYC                         | BU-61580V1-130                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/4K RAM, +5/-15V TRANSCEIVER | DDC             | 19645     |
| 5962-9306503HYA                         | BU-61580V1-150                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/4K RAM, +5/-15V TRANSCEIVER | DDC             | 19645     |
| 5962-9306503HYA                         | BU-61580V1-140                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/4K RAM, +5/-15V TRANSCEIVER | DDC             | 19645     |
| 5962-9306503HYC                         | BU-61580V1-110                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/4K RAM, +5/-15V TRANSCEIVER | DDC             | 19645     |
| 5962-9306503HXA                         | BU-61580S1-150                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/4K RAM, +5/-15V TRANSCEIVER | DDC             | 19645     |
| 5962-9306503HXA                         | BU-61580S1-140                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/4K RAM, +5/-15V TRANSCEIVER | DDC             | 19645     |
| 5962-9306503HXC                         | BU-61580S1-110                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/4K RAM, +5/-15V TRANSCEIVER | DDC             | 19645     |
| 5962-9306503HZC                         | BU-61580J1-110                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/4K RAM, +5/-15V TRANSCEIVER | DDC             | 19645     |
| 5962-9306503HXC                         | BU-61580S1-130                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/4K RAM, +5/-15V TRANSCEIVER | DDC             | 19645     |
| 5962-9306503HZC                         | BU-61580J1-130                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/4K RAM, +5/-15V TRANSCEIVER | DDC             | 19645     |
| 5962-9306504HZC                         | BU-61580J2-110                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/4K RAM, +5/-12V TRANSCEIVER | DDC             | 19645     |
| 5962-9306504HYA                         | BU-61580V2-140                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/4K RAM, +5/-12V TRANSCEIVER | DDC             | 19645     |
| 5962-9306504HYC                         | BU-61580V2-110                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/4K RAM, +5/-12V TRANSCEIVER | DDC             | 19645     |
| 5962-9306504HYA                         | BU-61580V2-150                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/4K RAM, +5/-12V TRANSCEIVER | DDC             | 19645     |
| 5962-9306504HYC                         | BU-61580V2-130                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/4K RAM, +5/-12V TRANSCEIVER | DDC             | 19645     |
| 5962-9306504HZC                         | BU-61580J2-130                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/4K RAM, +5/-12V TRANSCEIVER | DDC             | 19645     |
| 5962-9306504HXA                         | BU-61580S2-150                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/4K RAM, +5/-12V TRANSCEIVER | DDC             | 19645     |
| 5962-9306504HXA                         | BU-61580S2-140                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/4K RAM, +5/-12V TRANSCEIVER | DDC             | 19645     |
| 5962-9306504HXC                         | BU-61580S2-130                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/4K RAM, +5/-12V TRANSCEIVER | DDC             | 19645     |
| 5962-9306504HXC                         | BU-61580S2-110                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/4K RAM, +5/-12V TRANSCEIVER | DDC             | 19645     |
| 5962-9306505HXC                         | BU-65171S1-110                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5/-15V TRANSCEIVER       | DDC             | 19645     |
| 5962-9306505HXA                         | BU-65171S1-140                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5/-15V TRANSCEIVER       | DDC             | 19645     |
| 5962-9306505HXA                         | BU-65171S1-150                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5/-15V TRANSCEIVER       | DDC             | 19645     |
| 5962-9306505HZC                         | BU-65171J1-130                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5/-15V TRANSCEIVER       | DDC             | 19645     |
| 5962-9306505HXC                         | BU-65171S1-130                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5/-15V TRANSCEIVER       | DDC             | 19645     |
| 5962-9306505HZC                         | BU-65171J1-110                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5/-15V TRANSCEIVER       | DDC             | 19645     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |   |                 |           |
|---|-------------------------------------|------------|---|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description  | Approved Source | CAGE Code |
| 5962-9306505HYC                         | BU-65171V1-110                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5/-15V TRANSCEIVER       | DDC             | 19645     |
| 5962-9306505HYC                         | BU-65171V1-130                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5/-15V TRANSCEIVER       | DDC             | 19645     |
| 5962-9306505HYA                         | BU-65171V1-150                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5/-15V TRANSCEIVER       | DDC             | 19645     |
| 5962-9306505HYA                         | BU-65171V1-140                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5/-15V TRANSCEIVER       | DDC             | 19645     |
| 5962-9306506HZC                         | BU-65171J2-110                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5/-12V TRANSCEIVER       | DDC             | 19645     |
| 5962-9306506HXA                         | BU-65171S2-150                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5/-12V TRANSCEIVER       | DDC             | 19645     |
| 5962-9306506HXC                         | BU-65171S2-110                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5/-12V TRANSCEIVER       | DDC             | 19645     |
| 5962-9306506HXA                         | BU-65171S2-140                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5/-12V TRANSCEIVER       | DDC             | 19645     |
| 5962-9306506HYC                         | BU-65171V2-110                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5/-12V TRANSCEIVER       | DDC             | 19645     |
| 5962-9306506HYC                         | BU-65171V2-130                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5/-12V TRANSCEIVER       | DDC             | 19645     |
| 5962-9306506HYA                         | BU-65171V2-140                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5/-12V TRANSCEIVER       | DDC             | 19645     |
| 5962-9306506HYA                         | BU-65171V2-150                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5/-12V TRANSCEIVER       | DDC             | 19645     |
| 5962-9306506HZC                         | BU-65171J2-130                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5/-12V TRANSCEIVER       | DDC             | 19645     |
| 5962-9306506HXC                         | BU-65171S2-130                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5/-12V TRANSCEIVER       | DDC             | 19645     |
| 5962-9306507HZC                         | BU-61581J1-110                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/4K RAM, +5/-15V TRANSCEIVER | DDC             | 19645     |
| 5962-9306507HYA                         | BU-61581V1-150                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/4K RAM, +5/-15V TRANSCEIVER | DDC             | 19645     |
| 5962-9306507HYA                         | BU-61581V1-140                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/4K RAM, +5/-15V TRANSCEIVER | DDC             | 19645     |
| 5962-9306507HYC                         | BU-61581V1-130                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/4K RAM, +5/-15V TRANSCEIVER | DDC             | 19645     |
| 5962-9306507HYC                         | BU-61581V1-110                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/4K RAM, +5/-15V TRANSCEIVER | DDC             | 19645     |
| 5962-9306507HXA                         | BU-61581S1-150                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/4K RAM, +5/-15V TRANSCEIVER | DDC             | 19645     |
| 5962-9306507HXA                         | BU-61581S1-140                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/4K RAM, +5/-15V TRANSCEIVER | DDC             | 19645     |
| 5962-9306507HXC                         | BU-61581S1-130                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/4K RAM, +5/-15V TRANSCEIVER | DDC             | 19645     |
| 5962-9306507HZC                         | BU-61581J1-130                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/4K RAM, +5/-15V TRANSCEIVER | DDC             | 19645     |
| 5962-9306507HXC                         | BU-61581S1-110                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/4K RAM, +5/-15V TRANSCEIVER | DDC             | 19645     |
| 5962-9306508HXC                         | BU-61581S2-110                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/4K RAM, +5/-12V TRANSCEIVER | DDC             | 19645     |
| 5962-9306508HZC                         | BU-61581J2-110                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/4K RAM, +5/-12V TRANSCEIVER | DDC             | 19645     |
| 5962-9306508HZC                         | BU-61581J2-130                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/4K RAM, +5/-12V TRANSCEIVER | DDC             | 19645     |



Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description   | Approved Source | CAGE Code |
| 5962-9306508HXC                         | BU-61581S2-130                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/4K RAM, +5/-12V TRANSCEIVER      | DDC             | 19645     |
| 5962-9306508HXA                         | BU-61581S2-150                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/4K RAM, +5/-12V TRANSCEIVER      | DDC             | 19645     |
| 5962-9306508HYC                         | BU-61581V2-110                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/4K RAM, +5/-12V TRANSCEIVER      | DDC             | 19645     |
| 5962-9306508HYC                         | BU-61581V2-130                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/4K RAM, +5/-12V TRANSCEIVER      | DDC             | 19645     |
| 5962-9306508HYA                         | BU-61581V2-140                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/4K RAM, +5/-12V TRANSCEIVER      | DDC             | 19645     |
| 5962-9306508HYA                         | BU-61581V2-150                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/4K RAM, +5/-12V TRANSCEIVER      | DDC             | 19645     |
| 5962-9306508HXA                         | BU-61581S2-140                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/4K RAM, +5/-12V TRANSCEIVER      | DDC             | 19645     |
| 5962-9306517HXA                         | BU-61585S1-140                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/12K RAM, +5/-15 V TR             | DDC             | 19645     |
| 5962-9306517HYA                         | BU-61585V1-150                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/12K RAM, +5/-15 V TR             | DDC             | 19645     |
| 5962-9306517HYA                         | BU-61585V1-140                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/12K RAM, +5/-15 V TR             | DDC             | 19645     |
| 5962-9306517HYC                         | BU-61585V1-130                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/12K RAM, +5/-15 V TR             | DDC             | 19645     |
| 5962-9306517HXA                         | BU-61585S1-150                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/12K RAM, +5/-15 V TR             | DDC             | 19645     |
| 5962-9306517HYC                         | BU-61585V1-110                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/12K RAM, +5/-15 V TR             | DDC             | 19645     |
| 5962-9306517HXC                         | BU-61585S1-130                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/12K RAM, +5/-15 V TR             | DDC             | 19645     |
| 5962-9306517HXC                         | BU-61585S1-110                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/12K RAM, +5/-15 V TR             | DDC             | 19645     |
| 5962-9306518HYA                         | BU-61585V2-140                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/12K RAM, +5/-12 V TR             | DDC             | 19645     |
| 5962-9306518HXC                         | BU-61585S2-130                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/12K RAM, +5/-12 V TR             | DDC             | 19645     |
| 5962-9306518HXA                         | BU-61585S2-140                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/12K RAM, +5/-12 V TR             | DDC             | 19645     |
| 5962-9306518HXA                         | BU-61585S2-150                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/12K RAM, +5/-12 V TR             | DDC             | 19645     |
| 5962-9306518HYC                         | BU-61585V2-110                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/12K RAM, +5/-12 V TR             | DDC             | 19645     |
| 5962-9306518HYC                         | BU-61585V2-130                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/12K RAM, +5/-12 V TR             | DDC             | 19645     |
| 5962-9306518HXC                         | BU-61585S2-110                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/12K RAM, +5/-12 V TR             | DDC             | 19645     |
| 5962-9306518HYA                         | BU-61585V2-150                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/12K RAM, +5/-12 V TR             | DDC             | 19645     |
| 5962-9306519HYA                         | BU-61586V1-140                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/12K RAM, +5/-15 V TR, RT ADR LTC | DDC             | 19645     |
| 5962-9306519HXA                         | BU-61586S1-140                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/12K RAM, +5/-15 V TR, RT ADR LTC | DDC             | 19645     |
| 5962-9306519HXA                         | BU-61586S1-150                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/12K RAM, +5/-15 V TR, RT ADR LTC | DDC             | 19645     |
| 5962-9306519HNC                         | BU-61586G1-110                      | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/12K RAM, +5/-15 V TR, RT ADR LTC | DDC             | 19645     |

**Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing**

**PRODUCT ELIGIBILITY:** The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

**DLA Land and Maritime - VQ**

**Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH**

**Approved Source Master Product Listing**

| Sorted by Standard Microcircuit Drawing |  |                   |  |                        |                  |
|---|--|-------------------|--|------------------------|------------------|
| <b>Standard Microcircuit Drawing</b>    | <b>Manufacturer Similar Part Number /4</b> | <b>ESDS Class</b> | <b>Product Type/Description</b>  | <b>Approved Source</b> | <b>CAGE Code</b> |
| 5962-9306519HXC                         | BU-61586S1-110                             | 1                 | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/12K RAM, +5/-15 V TR, RT ADR LTC | DDC                    | 19645            |
| 5962-9306519HXC                         | BU-61586S1-130                             | 1                 | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/12K RAM, +5/-15 V TR, RT ADR LTC | DDC                    | 19645            |
| 5962-9306519HYC                         | BU-61586V1-130                             | 1                 | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/12K RAM, +5/-15 V TR, RT ADR LTC | DDC                    | 19645            |
| 5962-9306519HYA                         | BU-61586V1-150                             | 1                 | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/12K RAM, +5/-15 V TR, RT ADR LTC | DDC                    | 19645            |
| 5962-9306519HNA                         | BU-61586G1-150                             | 1                 | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/12K RAM, +5/-15 V TR, RT ADR LTC | DDC                    | 19645            |
| 5962-9306519HNA                         | BU-61586G1-140                             | 1                 | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/12K RAM, +5/-15 V TR, RT ADR LTC | DDC                    | 19645            |
| 5962-9306519HNC                         | BU-61586G1-130                             | 1                 | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/12K RAM, +5/-15 V TR, RT ADR LTC | DDC                    | 19645            |
| 5962-9306519HYC                         | BU-61586V1-110                             | 1                 | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/12K RAM, +5/-15 V TR, RT ADR LTC | DDC                    | 19645            |
| 5962-9306520HXA                         | BU-61586S2-140                             | 1                 | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/12K RAM, +5/-12 V TR, RT ADR LCH | DDC                    | 19645            |
| 5962-9306520HNC                         | BU-61586G2-130                             | 1                 | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/12K RAM, +5/-12 V TR, RT ADR LCH | DDC                    | 19645            |
| 5962-9306520HNC                         | BU-61586G2-110                             | 1                 | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/12K RAM, +5/-12 V TR, RT ADR LCH | DDC                    | 19645            |
| 5962-9306520HNA                         | BU-61586G2-140                             | 1                 | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/12K RAM, +5/-12 V TR, RT ADR LCH | DDC                    | 19645            |
| 5962-9306520HXC                         | BU-61586S2-130                             | 1                 | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/12K RAM, +5/-12 V TR, RT ADR LCH | DDC                    | 19645            |
| 5962-9306520HXA                         | BU-61586S2-150                             | 1                 | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/12K RAM, +5/-12 V TR, RT ADR LCH | DDC                    | 19645            |
| 5962-9306520HYC                         | BU-61586V2-110                             | 1                 | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/12K RAM, +5/-12 V TR, RT ADR LCH | DDC                    | 19645            |
| 5962-9306520HYC                         | BU-61586V2-130                             | 1                 | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/12K RAM, +5/-12 V TR, RT ADR LCH | DDC                    | 19645            |
| 5962-9306520HYA                         | BU-61586V2-140                             | 1                 | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/12K RAM, +5/-12 V TR, RT ADR LCH | DDC                    | 19645            |
| 5962-9306520HYA                         | BU-61586V2-150                             | 1                 | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/12K RAM, +5/-12 V TR, RT ADR LCH | DDC                    | 19645            |
| 5962-9306520HXC                         | BU-61586S2-110                             | 1                 | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/12K RAM, +5/-12 V TR, RT ADR LCH | DDC                    | 19645            |
| 5962-9306520HNA                         | BU-61586G2-150                             | 1                 | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/12K RAM, +5/-12 V TR, RT ADR LCH | DDC                    | 19645            |
| 5962-9306530HYA                         | BU-65170DV3-150                            | 1                 | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5V TRANSCEIVER                | DDC                    | 19645            |
| 5962-9306530HXA                         | BU-65170DS3-150                            | 1                 | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5V TRANSCEIVER                | DDC                    | 19645            |
| 5962-9306530HXA                         | BU-65170DS3-140                            | 1                 | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5V TRANSCEIVER                | DDC                    | 19645            |
| 5962-9306530HYC                         | BU-65170DV3-110                            | 1                 | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5V TRANSCEIVER                | DDC                    | 19645            |
| 5962-9306530HXC                         | BU-65170DS3-130                            | 1                 | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5V TRANSCEIVER                | DDC                    | 19645            |
| 5962-9306530HXC                         | BU-65170DS3-110                            | 1                 | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5V TRANSCEIVER                | DDC                    | 19645            |
| 5962-9306530HYA                         | BU-65170DV3-140                            | 1                 | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5V TRANSCEIVER                | DDC                    | 19645            |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description   | Approved Source | CAGE Code |
| 5962-9306530HNA                         | BU-65170DG3-150                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5V TRANSCEIVER              | DDC             | 19645     |
| 5962-9306530HNC                         | BU-65170DG3-110                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5V TRANSCEIVER              | DDC             | 19645     |
| 5962-9306530HNC                         | BU-65170DG3-130                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5V TRANSCEIVER              | DDC             | 19645     |
| 5962-9306530HNA                         | BU-65170DG3-140                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5V TRANSCEIVER              | DDC             | 19645     |
| 5962-9306530HYC                         | BU-65170DV3-130                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5V TRANSCEIVER              | DDC             | 19645     |
| 5962-9306531HYC                         | BU-65170DV6-110                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, 4K RAM, +5V TRANSCEIVER, W/TX INHIBITS | DDC             | 19645     |
| 5962-9306531HXA                         | BU-65170DS6-140                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, 4K RAM, +5V TRANSCEIVER, W/TX INHIBITS | DDC             | 19645     |
| 5962-9306531HYC                         | BU-65170DV6-130                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, 4K RAM, +5V TRANSCEIVER, W/TX INHIBITS | DDC             | 19645     |
| 5962-9306531HYA                         | BU-65170DV6-150                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, 4K RAM, +5V TRANSCEIVER, W/TX INHIBITS | DDC             | 19645     |
| 5962-9306531HXA                         | BU-65170DS6-150                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, 4K RAM, +5V TRANSCEIVER, W/TX INHIBITS | DDC             | 19645     |
| 5962-9306531HXC                         | BU-65170DS6-110                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, 4K RAM, +5V TRANSCEIVER, W/TX INHIBITS | DDC             | 19645     |
| 5962-9306531HNA                         | BU-65170DG6-150                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, 4K RAM, +5V TRANSCEIVER, W/TX INHIBITS | DDC             | 19645     |
| 5962-9306531HNA                         | BU-65170DG6-140                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, 4K RAM, +5V TRANSCEIVER, W/TX INHIBITS | DDC             | 19645     |
| 5962-9306531HNC                         | BU-65170DG6-130                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, 4K RAM, +5V TRANSCEIVER, W/TX INHIBITS | DDC             | 19645     |
| 5962-9306531HNC                         | BU-65170DG6-110                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, 4K RAM, +5V TRANSCEIVER, W/TX INHIBITS | DDC             | 19645     |
| 5962-9306531HYA                         | BU-65170DV6-140                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, 4K RAM, +5V TRANSCEIVER, W/TX INHIBITS | DDC             | 19645     |
| 5962-9306531HXC                         | BU-65170DS6-130                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, 4K RAM, +5V TRANSCEIVER, W/TX INHIBITS | DDC             | 19645     |
| 5962-9306532HYA                         | BU-61580DV3-140                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 4K RAM, +5V TRANSCEIVER          | DDC             | 19645     |
| 5962-9306532HNC                         | BU-61580DG3-110                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 4K RAM, +5V TRANSCEIVER          | DDC             | 19645     |
| 5962-9306532HNA                         | BU-61580DG3-140                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 4K RAM, +5V TRANSCEIVER          | DDC             | 19645     |
| 5962-9306532HXA                         | BU-61580DS3-150                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 4K RAM, +5V TRANSCEIVER          | DDC             | 19645     |
| 5962-9306532HNA                         | BU-61580DG3-150                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 4K RAM, +5V TRANSCEIVER          | DDC             | 19645     |
| 5962-9306532HNC                         | BU-61580DG3-130                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 4K RAM, +5V TRANSCEIVER          | DDC             | 19645     |
| 5962-9306532HYA                         | BU-61580DV3-150                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 4K RAM, +5V TRANSCEIVER          | DDC             | 19645     |
| 5962-9306532HXA                         | BU-61580DS3-140                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 4K RAM, +5V TRANSCEIVER          | DDC             | 19645     |
| 5962-9306532HYC                         | BU-61580DV3-110                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 4K RAM, +5V TRANSCEIVER          | DDC             | 19645     |
| 5962-9306532HYC                         | BU-61580DV3-130                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 4K RAM, +5V TRANSCEIVER          | DDC             | 19645     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |   |                 |           |
|---|-------------------------------------|------------|---|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description  | Approved Source | CAGE Code |
| 5962-9306532HXC                         | BU-61580DS3-110                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 4K RAM, +5V TRANSCEIVER       | DDC             | 19645     |
| 5962-9306532HXC                         | BU-61580DS3-130                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 4K RAM, +5V TRANSCEIVER       | DDC             | 19645     |
| 5962-9306533HNC                         | BU-61580DG6-130                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 4K RAM, +5V TRANSCEIVER       | DDC             | 19645     |
| 5962-9306533HNC                         | BU-61580DG6-110                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 4K RAM, +5V TRANSCEIVER       | DDC             | 19645     |
| 5962-9306533HNA                         | BU-61580DG6-150                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 4K RAM, +5V TRANSCEIVER       | DDC             | 19645     |
| 5962-9306533HXC                         | BU-61580DS6-110                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 4K RAM, +5V TRANSCEIVER       | DDC             | 19645     |
| 5962-9306533HNA                         | BU-61580DG6-140                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 4K RAM, +5V TRANSCEIVER       | DDC             | 19645     |
| 5962-9306533HXC                         | BU-61580DS6-130                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 4K RAM, +5V TRANSCEIVER       | DDC             | 19645     |
| 5962-9306533HYA                         | BU-61580DV6-140                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 4K RAM, +5V TRANSCEIVER       | DDC             | 19645     |
| 5962-9306533HYC                         | BU-61580DV6-130                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 4K RAM, +5V TRANSCEIVER       | DDC             | 19645     |
| 5962-9306533HYC                         | BU-61580DV6-110                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 4K RAM, +5V TRANSCEIVER       | DDC             | 19645     |
| 5962-9306533HXA                         | BU-61580DS6-140                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 4K RAM, +5V TRANSCEIVER       | DDC             | 19645     |
| 5962-9306533HXA                         | BU-61580DS6-150                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 4K RAM, +5V TRANSCEIVER       | DDC             | 19645     |
| 5962-9306533HYA                         | BU-61580DV6-150                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 4K RAM, +5V TRANSCEIVER       | DDC             | 19645     |
| 5962-9306534HNA                         | BU-65171DG3-140                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, 4K RAM, +5V TRANSCEIVER, RT ADDRESS | DDC             | 19645     |
| 5962-9306534HNA                         | BU-65171DG3-150                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, 4K RAM, +5V TRANSCEIVER, RT ADDRESS | DDC             | 19645     |
| 5962-9306534HXA                         | BU-65171DS3-150                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, 4K RAM, +5V TRANSCEIVER, RT ADDRESS | DDC             | 19645     |
| 5962-9306534HNC                         | BU-65171DG3-130                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, 4K RAM, +5V TRANSCEIVER, RT ADDRESS | DDC             | 19645     |
| 5962-9306534HYA                         | BU-65171DV3-150                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, 4K RAM, +5V TRANSCEIVER, RT ADDRESS | DDC             | 19645     |
| 5962-9306534HNC                         | BU-65171DG3-110                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, 4K RAM, +5V TRANSCEIVER, RT ADDRESS | DDC             | 19645     |
| 5962-9306534HYC                         | BU-65171DV3-110                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, 4K RAM, +5V TRANSCEIVER, RT ADDRESS | DDC             | 19645     |
| 5962-9306534HYC                         | BU-65171DV3-130                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, 4K RAM, +5V TRANSCEIVER, RT ADDRESS | DDC             | 19645     |
| 5962-9306534HYA                         | BU-65171DV3-140                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, 4K RAM, +5V TRANSCEIVER, RT ADDRESS | DDC             | 19645     |
| 5962-9306534HXA                         | BU-65171DS3-140                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, 4K RAM, +5V TRANSCEIVER, RT ADDRESS | DDC             | 19645     |
| 5962-9306534HXC                         | BU-65171DS3-110                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, 4K RAM, +5V TRANSCEIVER, RT ADDRESS | DDC             | 19645     |
| 5962-9306534HXC                         | BU-65171DS3-130                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, 4K RAM, +5V TRANSCEIVER, RT ADDRESS | DDC             | 19645     |
| 5962-9306535HNA                         | BU-65171DG6-140                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, 4K RAM, +5V TRANSCEIVER, RT ADDRESS | DDC             | 19645     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description   | Approved Source | CAGE Code |
| 5962-9306535HXC                         | BU-65171DS6-110                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, 4K RAM, +5V TRANSCEIVER, RT ADDRESS      | DDC             | 19645     |
| 5962-9306535HNC                         | BU-65171DG6-130                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, 4K RAM, +5V TRANSCEIVER, RT ADDRESS      | DDC             | 19645     |
| 5962-9306535HXC                         | BU-65171DS6-130                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, 4K RAM, +5V TRANSCEIVER, RT ADDRESS      | DDC             | 19645     |
| 5962-9306535HXA                         | BU-65171DS6-150                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, 4K RAM, +5V TRANSCEIVER, RT ADDRESS      | DDC             | 19645     |
| 5962-9306535HNA                         | BU-65171DG6-150                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, 4K RAM, +5V TRANSCEIVER, RT ADDRESS      | DDC             | 19645     |
| 5962-9306535HYA                         | BU-65171DV6-140                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, 4K RAM, +5V TRANSCEIVER, RT ADDRESS      | DDC             | 19645     |
| 5962-9306535HYA                         | BU-65171DV6-150                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, 4K RAM, +5V TRANSCEIVER, RT ADDRESS      | DDC             | 19645     |
| 5962-9306535HNC                         | BU-65171DG6-110                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, 4K RAM, +5V TRANSCEIVER, RT ADDRESS      | DDC             | 19645     |
| 5962-9306535HYC                         | BU-65171DV6-110                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, 4K RAM, +5V TRANSCEIVER, RT ADDRESS      | DDC             | 19645     |
| 5962-9306535HYC                         | BU-65171DV6-130                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, 4K RAM, +5V TRANSCEIVER, RT ADDRESS      | DDC             | 19645     |
| 5962-9306535HXA                         | BU-65171DS6-140                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, 4K RAM, +5V TRANSCEIVER, RT ADDRESS      | DDC             | 19645     |
| 5962-9306536HNA                         | BU-61581DG3-150                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 4K RAM, +5V TRANSCEIVER,RT ADDRESS | DDC             | 19645     |
| 5962-9306536HXA                         | BU-61581DS3-140                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 4K RAM, +5V TRANSCEIVER,RT ADDRESS | DDC             | 19645     |
| 5962-9306536HNC                         | BU-61581DG3-110                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 4K RAM, +5V TRANSCEIVER,RT ADDRESS | DDC             | 19645     |
| 5962-9306536HNC                         | BU-61581DG3-130                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 4K RAM, +5V TRANSCEIVER,RT ADDRESS | DDC             | 19645     |
| 5962-9306536HNA                         | BU-61581DG3-140                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 4K RAM, +5V TRANSCEIVER,RT ADDRESS | DDC             | 19645     |
| 5962-9306536HYC                         | BU-61581DV3-110                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 4K RAM, +5V TRANSCEIVER,RT ADDRESS | DDC             | 19645     |
| 5962-9306536HYA                         | BU-61581DV3-150                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 4K RAM, +5V TRANSCEIVER,RT ADDRESS | DDC             | 19645     |
| 5962-9306536HYA                         | BU-61581DV3-140                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 4K RAM, +5V TRANSCEIVER,RT ADDRESS | DDC             | 19645     |
| 5962-9306536HXC                         | BU-61581DS3-110                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 4K RAM, +5V TRANSCEIVER,RT ADDRESS | DDC             | 19645     |
| 5962-9306536HYC                         | BU-61581DV3-130                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 4K RAM, +5V TRANSCEIVER,RT ADDRESS | DDC             | 19645     |
| 5962-9306536HXA                         | BU-61581DS3-150                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 4K RAM, +5V TRANSCEIVER,RT ADDRESS | DDC             | 19645     |
| 5962-9306536HXC                         | BU-61581DS3-130                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 4K RAM, +5V TRANSCEIVER,RT ADDRESS | DDC             | 19645     |
| 5962-9306537HXC                         | BU-61581DS6-110                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 4K RAM, +5V TRANSCEIVER,RT ADDRESS | DDC             | 19645     |
| 5962-9306537HXC                         | BU-61581DS6-130                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 4K RAM, +5V TRANSCEIVER,RT ADDRESS | DDC             | 19645     |
| 5962-9306537HXA                         | BU-61581DS6-140                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 4K RAM, +5V TRANSCEIVER,RT ADDRESS | DDC             | 19645     |
| 5962-9306537HNA                         | BU-61581DG6-140                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 4K RAM, +5V TRANSCEIVER,RT ADDRESS | DDC             | 19645     |

**Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing**

**PRODUCT ELIGIBILITY:** The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

**DLA Land and Maritime - VQ**

**Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH**

**Approved Source Master Product Listing**

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description   | Approved Source | CAGE Code |
| 5962-9306537HNA                         | BU-61581DG6-150                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 4K RAM, +5V TRANSCEIVER,RT ADDRESS | DDC             | 19645     |
| 5962-9306537HNC                         | BU-61581DG6-110                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 4K RAM, +5V TRANSCEIVER,RT ADDRESS | DDC             | 19645     |
| 5962-9306537HNC                         | BU-61581DG6-130                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 4K RAM, +5V TRANSCEIVER,RT ADDRESS | DDC             | 19645     |
| 5962-9306537HYC                         | BU-61581DV6-110                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 4K RAM, +5V TRANSCEIVER,RT ADDRESS | DDC             | 19645     |
| 5962-9306537HYC                         | BU-61581DV6-130                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 4K RAM, +5V TRANSCEIVER,RT ADDRESS | DDC             | 19645     |
| 5962-9306537HYA                         | BU-61581DV6-140                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 4K RAM, +5V TRANSCEIVER,RT ADDRESS | DDC             | 19645     |
| 5962-9306537HYA                         | BU-61581DV6-150                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 4K RAM, +5V TRANSCEIVER,RT ADDRESS | DDC             | 19645     |
| 5962-9306537HXA                         | BU-61581DS6-150                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 4K RAM, +5V TRANSCEIVER,RT ADDRESS | DDC             | 19645     |
| 5962-9306538HYC                         | BU-61585DV3-130                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 12K RAM, +5V TRANSCEIVER           | DDC             | 19645     |
| 5962-9306538HNC                         | BU-61585DG3-110                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 12K RAM, +5V TRANSCEIVER           | DDC             | 19645     |
| 5962-9306538HNC                         | BU-61585DG3-130                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 12K RAM, +5V TRANSCEIVER           | DDC             | 19645     |
| 5962-9306538HNA                         | BU-61585DG3-140                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 12K RAM, +5V TRANSCEIVER           | DDC             | 19645     |
| 5962-9306538HNA                         | BU-61585DG3-150                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 12K RAM, +5V TRANSCEIVER           | DDC             | 19645     |
| 5962-9306538HXC                         | BU-61585DS3-110                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 12K RAM, +5V TRANSCEIVER           | DDC             | 19645     |
| 5962-9306538HXC                         | BU-61585DS3-130                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 12K RAM, +5V TRANSCEIVER           | DDC             | 19645     |
| 5962-9306538HXA                         | BU-61585DS3-140                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 12K RAM, +5V TRANSCEIVER           | DDC             | 19645     |
| 5962-9306538HYC                         | BU-61585DV3-110                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 12K RAM, +5V TRANSCEIVER           | DDC             | 19645     |
| 5962-9306538HYA                         | BU-61585DV3-140                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 12K RAM, +5V TRANSCEIVER           | DDC             | 19645     |
| 5962-9306538HYA                         | BU-61585DV3-150                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 12K RAM, +5V TRANSCEIVER           | DDC             | 19645     |
| 5962-9306538HXA                         | BU-61585DS3-150                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 12K RAM, +5V TRANSCEIVER           | DDC             | 19645     |
| 5962-9306539HXC                         | BU-61585DS6-110                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 12K RAM, +5V TRANSCEIVER           | DDC             | 19645     |
| 5962-9306539HYC                         | BU-61585DV6-130                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 12K RAM, +5V TRANSCEIVER           | DDC             | 19645     |
| 5962-9306539HXA                         | BU-61585DS6-140                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 12K RAM, +5V TRANSCEIVER           | DDC             | 19645     |
| 5962-9306539HYA                         | BU-61585DV6-140                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 12K RAM, +5V TRANSCEIVER           | DDC             | 19645     |
| 5962-9306539HYC                         | BU-61585DV6-110                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 12K RAM, +5V TRANSCEIVER           | DDC             | 19645     |
| 5962-9306539HXA                         | BU-61585DS6-150                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 12K RAM, +5V TRANSCEIVER           | DDC             | 19645     |
| 5962-9306539HXC                         | BU-61585DS6-130                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 12K RAM, +5V TRANSCEIVER           | DDC             | 19645     |

**Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing**

**PRODUCT ELIGIBILITY:** The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

**DLA Land and Maritime - VQ**

**Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH**

**Approved Source Master Product Listing**

| Sorted by Standard Microcircuit Drawing |  |                   |  |                        |                  |
|---|--|-------------------|--|------------------------|------------------|
| <b>Standard Microcircuit Drawing</b>    | <b>Manufacturer Similar Part Number /4</b> | <b>ESDS Class</b> | <b>Product Type/Description</b>  | <b>Approved Source</b> | <b>CAGE Code</b> |
| 5962-9306539HNA                         | BU-61585DG6-150                            | 1                 | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 12K RAM, +5V TRANSCEIVER | DDC                    | 19645            |
| 5962-9306539HNA                         | BU-61585DG6-140                            | 1                 | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 12K RAM, +5V TRANSCEIVER | DDC                    | 19645            |
| 5962-9306539HNC                         | BU-61585DG6-130                            | 1                 | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 12K RAM, +5V TRANSCEIVER | DDC                    | 19645            |
| 5962-9306539HNC                         | BU-61585DG6-110                            | 1                 | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 12K RAM, +5V TRANSCEIVER | DDC                    | 19645            |
| 5962-9306539HYA                         | BU-61585DV6-150                            | 1                 | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 12K RAM, +5V TRANSCEIVER | DDC                    | 19645            |
| 5962-9306540HXA                         | BU-61586DS3-150                            | 1                 | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 12K RAM, +5V TRANSCEIVER | DDC                    | 19645            |
| 5962-9306540HXA                         | BU-61586DS3-140                            | 1                 | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 12K RAM, +5V TRANSCEIVER | DDC                    | 19645            |
| 5962-9306540HNC                         | BU-61586DG3-110                            | 1                 | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 12K RAM, +5V TRANSCEIVER | DDC                    | 19645            |
| 5962-9306540HNC                         | BU-61586DG3-130                            | 1                 | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 12K RAM, +5V TRANSCEIVER | DDC                    | 19645            |
| 5962-9306540HNA                         | BU-61586DG3-140                            | 1                 | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 12K RAM, +5V TRANSCEIVER | DDC                    | 19645            |
| 5962-9306540HNA                         | BU-61586DG3-150                            | 1                 | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 12K RAM, +5V TRANSCEIVER | DDC                    | 19645            |
| 5962-9306540HXC                         | BU-61586DS3-110                            | 1                 | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 12K RAM, +5V TRANSCEIVER | DDC                    | 19645            |
| 5962-9306540HXC                         | BU-61586DS3-130                            | 1                 | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 12K RAM, +5V TRANSCEIVER | DDC                    | 19645            |
| 5962-9306540HYC                         | BU-61586DV3-110                            | 1                 | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 12K RAM, +5V TRANSCEIVER | DDC                    | 19645            |
| 5962-9306540HYC                         | BU-61586DV3-130                            | 1                 | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 12K RAM, +5V TRANSCEIVER | DDC                    | 19645            |
| 5962-9306540HYA                         | BU-61586DV3-140                            | 1                 | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 12K RAM, +5V TRANSCEIVER | DDC                    | 19645            |
| 5962-9306540HYA                         | BU-61586DV3-150                            | 1                 | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 12K RAM, +5V TRANSCEIVER | DDC                    | 19645            |
| 5962-9306541HYC                         | BU-61586DV6-130                            | 1                 | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 12K RAM, +5V TRANSCEIVER | DDC                    | 19645            |
| 5962-9306541HXC                         | BU-61586DS6-110                            | 1                 | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 12K RAM, +5V TRANSCEIVER | DDC                    | 19645            |
| 5962-9306541HYA                         | BU-61586DV6-140                            | 1                 | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 12K RAM, +5V TRANSCEIVER | DDC                    | 19645            |
| 5962-9306541HXA                         | BU-61586DS6-150                            | 1                 | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 12K RAM, +5V TRANSCEIVER | DDC                    | 19645            |
| 5962-9306541HYC                         | BU-61586DV6-110                            | 1                 | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 12K RAM, +5V TRANSCEIVER | DDC                    | 19645            |
| 5962-9306541HNC                         | BU-61586DG6-110                            | 1                 | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 12K RAM, +5V TRANSCEIVER | DDC                    | 19645            |
| 5962-9306541HNA                         | BU-61586DG6-140                            | 1                 | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 12K RAM, +5V TRANSCEIVER | DDC                    | 19645            |
| 5962-9306541HNA                         | BU-61586DG6-150                            | 1                 | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 12K RAM, +5V TRANSCEIVER | DDC                    | 19645            |
| 5962-9306541HXC                         | BU-61586DS6-130                            | 1                 | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 12K RAM, +5V TRANSCEIVER | DDC                    | 19645            |
| 5962-9306541HXA                         | BU-61586DS6-140                            | 1                 | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 12K RAM, +5V TRANSCEIVER | DDC                    | 19645            |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description   | Approved Source | CAGE Code |
| 5962-9306541HNC                         | BU-61586DG6-130                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 12K RAM, +5V TRANSCEIVER           | DDC             | 19645     |
| 5962-9306541HYA                         | BU-61586DV6-150                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 12K RAM, +5V TRANSCEIVER           | DDC             | 19645     |
| 5962-9306542HTA                         | BU-61588CF3-140                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 12/16 MHZ, 4K RAM, +5V TRANSCEIVER | DDC             | 19645     |
| 5962-9306542HUC                         | BU-61588CP3-130                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 12/16 MHZ, 4K RAM, +5V TRANSCEIVER | DDC             | 19645     |
| 5962-9306542HUC                         | BU-61588CP3-110                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 12/16 MHZ, 4K RAM, +5V TRANSCEIVER | DDC             | 19645     |
| 5962-9306542HMA                         | BU-61588CG3-150                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 12/16 MHZ, 4K RAM, +5V TRANSCEIVER | DDC             | 19645     |
| 5962-9306542HMA                         | BU-61588CG3-140                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 12/16 MHZ, 4K RAM, +5V TRANSCEIVER | DDC             | 19645     |
| 5962-9306542HUA                         | BU-61588CP3-150                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 12/16 MHZ, 4K RAM, +5V TRANSCEIVER | DDC             | 19645     |
| 5962-9306542HMC                         | BU-61588CG3-130                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 12/16 MHZ, 4K RAM, +5V TRANSCEIVER | DDC             | 19645     |
| 5962-9306542HTA                         | BU-61588CF3-150                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 12/16 MHZ, 4K RAM, +5V TRANSCEIVER | DDC             | 19645     |
| 5962-9306542HTC                         | BU-61588CF3-130                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 12/16 MHZ, 4K RAM, +5V TRANSCEIVER | DDC             | 19645     |
| 5962-9306542HTC                         | BU-61588CF3-110                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 12/16 MHZ, 4K RAM, +5V TRANSCEIVER | DDC             | 19645     |
| 5962-9306542HUA                         | BU-61588CP3-140                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 12/16 MHZ, 4K RAM, +5V TRANSCEIVER | DDC             | 19645     |
| 5962-9306542HMC                         | BU-61588CG3-110                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, 12/16 MHZ, 4K RAM, +5V TRANSCEIVER | DDC             | 19645     |
| 5962-9306543HUC                         | BU-65178CP3-110                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, 4K RAM, +5V TRANSCEIVER                  | DDC             | 19645     |
| 5962-9306543HTC                         | BU-65178CF3-110                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, 4K RAM, +5V TRANSCEIVER                  | DDC             | 19645     |
| 5962-9306543HUA                         | BU-65178CP3-150                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, 4K RAM, +5V TRANSCEIVER                  | DDC             | 19645     |
| 5962-9306543HUC                         | BU-65178CP3-130                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, 4K RAM, +5V TRANSCEIVER                  | DDC             | 19645     |
| 5962-9306543HMA                         | BU-65178CG3-150                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, 4K RAM, +5V TRANSCEIVER                  | DDC             | 19645     |
| 5962-9306543HMA                         | BU-65178CG3-140                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, 4K RAM, +5V TRANSCEIVER                  | DDC             | 19645     |
| 5962-9306543HMC                         | BU-65178CG3-130                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, 4K RAM, +5V TRANSCEIVER                  | DDC             | 19645     |
| 5962-9306543HMC                         | BU-65178CG3-110                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, 4K RAM, +5V TRANSCEIVER                  | DDC             | 19645     |
| 5962-9306543HTA                         | BU-65178CF3-150                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, 4K RAM, +5V TRANSCEIVER                  | DDC             | 19645     |
| 5962-9306543HTA                         | BU-65178CF3-140                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, 4K RAM, +5V TRANSCEIVER                  | DDC             | 19645     |
| 5962-9306543HTC                         | BU-65178CF3-130                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, 4K RAM, +5V TRANSCEIVER                  | DDC             | 19645     |
| 5962-9306543HUA                         | BU-65178CP3-140                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT, 4K RAM, +5V TRANSCEIVER                  | DDC             | 19645     |
| 5962-9306544HMC                         | BU-65179CG3-110                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT/RT_BOOT, 4K RAM, +5V TRANSCEIVER          | DDC             | 19645     |



Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description   | Approved Source | CAGE Code |
| 5962-9306544HMA                         | BU-65179CG3-150                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT/RT_BOOT, 4K RAM, +5V TRANSCEIVER          | DDC             | 19645     |
| 5962-9306544HUA                         | BU-65179CP3-150                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT/RT_BOOT, 4K RAM, +5V TRANSCEIVER          | DDC             | 19645     |
| 5962-9306544HUA                         | BU-65179CP3-140                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT/RT_BOOT, 4K RAM, +5V TRANSCEIVER          | DDC             | 19645     |
| 5962-9306544HUC                         | BU-65179CP3-130                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT/RT_BOOT, 4K RAM, +5V TRANSCEIVER          | DDC             | 19645     |
| 5962-9306544HUC                         | BU-65179CP3-110                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT/RT_BOOT, 4K RAM, +5V TRANSCEIVER          | DDC             | 19645     |
| 5962-9306544HMC                         | BU-65179CG3-130                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT/RT_BOOT, 4K RAM, +5V TRANSCEIVER          | DDC             | 19645     |
| 5962-9306544HTA                         | BU-65179CF3-150                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT/RT_BOOT, 4K RAM, +5V TRANSCEIVER          | DDC             | 19645     |
| 5962-9306544HTA                         | BU-65179CF3-140                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT/RT_BOOT, 4K RAM, +5V TRANSCEIVER          | DDC             | 19645     |
| 5962-9306544HTC                         | BU-65179CF3-130                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT/RT_BOOT, 4K RAM, +5V TRANSCEIVER          | DDC             | 19645     |
| 5962-9306544HTC                         | BU-65179CF3-110                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT/RT_BOOT, 4K RAM, +5V TRANSCEIVER          | DDC             | 19645     |
| 5962-9306544HMA                         | BU-65179CG3-140                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, RT/RT_BOOT, 4K RAM, +5V TRANSCEIVER          | DDC             | 19645     |
| 5962-9306545HTA                         | BU-61688CF3-140                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT,12/16 MHZ, 64K RAM, +5V TRANSCEIVER | DDC             | 19645     |
| 5962-9306545HUC                         | BU-61688CP3-130                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT,12/16 MHZ, 64K RAM, +5V TRANSCEIVER | DDC             | 19645     |
| 5962-9306545HMA                         | BU-61688CG3-150                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT,12/16 MHZ, 64K RAM, +5V TRANSCEIVER | DDC             | 19645     |
| 5962-9306545HMA                         | BU-61688CG3-140                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT,12/16 MHZ, 64K RAM, +5V TRANSCEIVER | DDC             | 19645     |
| 5962-9306545HMC                         | BU-61688CG3-130                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT,12/16 MHZ, 64K RAM, +5V TRANSCEIVER | DDC             | 19645     |
| 5962-9306545HTA                         | BU-61688CF3-150                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT,12/16 MHZ, 64K RAM, +5V TRANSCEIVER | DDC             | 19645     |
| 5962-9306545HUA                         | BU-61688CP3-150                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT,12/16 MHZ, 64K RAM, +5V TRANSCEIVER | DDC             | 19645     |
| 5962-9306545HTC                         | BU-61688CF3-130                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT,12/16 MHZ, 64K RAM, +5V TRANSCEIVER | DDC             | 19645     |
| 5962-9306545HUA                         | BU-61688CP3-140                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT,12/16 MHZ, 64K RAM, +5V TRANSCEIVER | DDC             | 19645     |
| 5962-9306545HMC                         | BU-61688CG3-110                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT,12/16 MHZ, 64K RAM, +5V TRANSCEIVER | DDC             | 19645     |
| 5962-9306545HTC                         | BU-61688CF3-110                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT,12/16 MHZ, 64K RAM, +5V TRANSCEIVER | DDC             | 19645     |
| 5962-9306545HUC                         | BU-61688CP3-110                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT,12/16 MHZ, 64K RAM, +5V TRANSCEIVER | DDC             | 19645     |
| 5962-9306546HUA                         | BU-61689CP3-150                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT,10/20 MHZ, 64K RAM, +5V TRANSCEIVER | DDC             | 19645     |
| 5962-9306546HUA                         | BU-61689CP3-140                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT,10/20 MHZ, 64K RAM, +5V TRANSCEIVER | DDC             | 19645     |
| 5962-9306546HUC                         | BU-61689CP3-130                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT,10/20 MHZ, 64K RAM, +5V TRANSCEIVER | DDC             | 19645     |
| 5962-9306546HMA                         | BU-61689CG3-140                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT,10/20 MHZ, 64K RAM, +5V TRANSCEIVER | DDC             | 19645     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description   | Approved Source | CAGE Code |
| 5962-9306546HMA                         | BU-61689CG3-150                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT,10/20 MHZ, 64K RAM, +5V TRANSCEIVER | DDC             | 19645     |
| 5962-9306546HTC                         | BU-61689CF3-110                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT,10/20 MHZ, 64K RAM, +5V TRANSCEIVER | DDC             | 19645     |
| 5962-9306546HTC                         | BU-61689CF3-130                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT,10/20 MHZ, 64K RAM, +5V TRANSCEIVER | DDC             | 19645     |
| 5962-9306546HTA                         | BU-61689CF3-140                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT,10/20 MHZ, 64K RAM, +5V TRANSCEIVER | DDC             | 19645     |
| 5962-9306546HTA                         | BU-61689CF3-150                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT,10/20 MHZ, 64K RAM, +5V TRANSCEIVER | DDC             | 19645     |
| 5962-9306546HMC                         | BU-61689CG3-110                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT,10/20 MHZ, 64K RAM, +5V TRANSCEIVER | DDC             | 19645     |
| 5962-9306546HMC                         | BU-61689CG3-130                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT,10/20 MHZ, 64K RAM, +5V TRANSCEIVER | DDC             | 19645     |
| 5962-9306546HUC                         | BU-61689CP3-110                     | 1          | MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT,10/20 MHZ, 64K RAM, +5V TRANSCEIVER | DDC             | 19645     |
| 5962-9306801HXA                         | MTR2805S/883                        | 1          | DC/DC CONVERTER, 25W, 5V OUTPUT  | Crane           | 50821     |
| 5962-9306801HZC                         | MTR2805SF/883                       | 1          | DC/DC CONVERTER, 25W, 5V OUTPUT  | Crane           | 50821     |
| 5962-9306801HZA                         | MTR2805SF/883                       | 1          | DC/DC CONVERTER, 25W, 5V OUTPUT  | Crane           | 50821     |
| 5962-9306801HXC                         | MTR2805S/883                        | 1          | DC/DC CONVERTER, 25W, 5V OUTPUT  | Crane           | 50821     |
| 5962P9306802KXA                         | SMTR2805S/KP                        | 1          | DC/DC CONVERTER, 25W, 5V OUTPUT  | Crane           | 50821     |
| 5962L9306802KXC                         | SMTR2805S/KL                        | 1          | DC/DC CONVERTER, 25W, 5V OUTPUT  | Crane           | 50821     |
| 5962L9306802HXC                         | SMTR2805S/HL                        | 1          | DC/DC CONVERTER, 25W, 5V OUTPUT  | Crane           | 50821     |
| 5962P9306802KXC                         | SMTR2805S/KP                        | 1          | DC/DC CONVERTER, 25W, 5V OUTPUT  | Crane           | 50821     |
| 5962R9306802KZA                         | SMTR2805SF/KR                       | 1          | DC/DC CONVERTER, 25W, 5V OUTPUT  | Crane           | 50821     |
| 5962R9306802KXA                         | SMTR2805S/KR                        | 1          | DC/DC CONVERTER, 25W, 5V OUTPUT  | Crane           | 50821     |
| 5962R9306802KXC                         | SMTR2805S/KR                        | 1          | DC/DC CONVERTER, 25W, 5V OUTPUT  | Crane           | 50821     |
| 5962L9306802KXA                         | SMTR2805S/KL                        | 1          | DC/DC CONVERTER, 25W, 5V OUTPUT  | Crane           | 50821     |
| 5962P9306802HXA                         | SMTR2805S/HP                        | 1          | DC/DC CONVERTER, 25W, 5V OUTPUT  | Crane           | 50821     |
| 5962L9306802HXA                         | SMTR2805S/HL                        | 1          | DC/DC CONVERTER, 25W, 5V OUTPUT  | Crane           | 50821     |
| 5962P9306802KZA                         | SMTR2805SF/KP                       | 1          | DC/DC CONVERTER, 25W, 5V OUTPUT  | Crane           | 50821     |
| 5962-9306802HXA                         | SMTR2805S/HO                        | 1          | DC/DC CONVERTER, 25W, 5V OUTPUT  | Crane           | 50821     |
| 5962-9306802HXC                         | SMTR2805S/HO                        | 1          | DC/DC CONVERTER, 25W, 5V OUTPUT  | Crane           | 50821     |
| 5962R9306802KZC                         | SMTR2805SF/KR                       | 1          | DC/DC CONVERTER, 25W, 5V OUTPUT  | Crane           | 50821     |
| 5962R9306802HXC                         | SMTR2805S/HR                        | 1          | DC/DC CONVERTER, 25W, 5V OUTPUT  | Crane           | 50821     |
| 5962L9306802KZC                         | SMTR2805SF/KL                       | 1          | DC/DC CONVERTER, 25W, 5V OUTPUT  | Crane           | 50821     |
| 5962L9306802KZA                         | SMTR2805SF/KL                       | 1          | DC/DC CONVERTER, 25W, 5V OUTPUT  | Crane           | 50821     |
| 5962R9306802HZC                         | SMTR2805SF/HR                       | 1          | DC/DC CONVERTER, 25W, 5V OUTPUT  | Crane           | 50821     |
| 5962R9306802HZA                         | SMTR2805SF/HR                       | 1          | DC/DC CONVERTER, 25W, 5V OUTPUT  | Crane           | 50821     |
| 5962P9306802HZC                         | SMTR2805SF/HP                       | 1          | DC/DC CONVERTER, 25W, 5V OUTPUT  | Crane           | 50821     |
| 5962P9306802KZC                         | SMTR2805SF/KP                       | 1          | DC/DC CONVERTER, 25W, 5V OUTPUT  | Crane           | 50821     |
| 5962P9306802HZA                         | SMTR2805SF/HP                       | 1          | DC/DC CONVERTER, 25W, 5V OUTPUT  | Crane           | 50821     |
| 5962-9306802HZA                         | SMTR2805SF/HO                       | 1          | DC/DC CONVERTER, 25W, 5V OUTPUT  | Crane           | 50821     |
| 5962P9306802HXC                         | SMTR2805S/HP                        | 1          | DC/DC CONVERTER, 25W, 5V OUTPUT  | Crane           | 50821     |
| 5962L9306802HZC                         | SMTR2805SF/HL                       | 1          | DC/DC CONVERTER, 25W, 5V OUTPUT  | Crane           | 50821     |
| 5962L9306802HZA                         | SMTR2805SF/HL                       | 1          | DC/DC CONVERTER, 25W, 5V OUTPUT  | Crane           | 50821     |
| 5962R9306802HXA                         | SMTR2805S/HR                        | 1          | DC/DC CONVERTER, 25W, 5V OUTPUT  | Crane           | 50821     |
| 5962-9306802HZC                         | SMTR2805SF/HO                       | 1          | DC/DC CONVERTER, 25W, 5V OUTPUT  | Crane           | 50821     |
| 5962-9306901HXA                         | MTR2812S/883                        | 1          | DC/DC CONVERTER, 30W, 12V OUTPUT   | Crane           | 50821     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |                                  |                 |           |
|---|-------------------------------------|------------|----------------------------------|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description         | Approved Source | CAGE Code |
| 5962-9306901HZC                         | MTR2812SF/883                       | 1          | DC/DC CONVERTER, 30W, 12V OUTPUT | Crane           | 50821     |
| 5962-9306901HZA                         | MTR2812SF/883                       | 1          | DC/DC CONVERTER, 30W, 12V OUTPUT | Crane           | 50821     |
| 5962-9306901HXC                         | MTR2812S/883                        | 1          | DC/DC CONVERTER, 30W, 12V OUTPUT | Crane           | 50821     |
| 5962R9306902KXC                         | SMTR2812S/KR                        | 1          | DC/DC CONVERTER, 30W, 12V OUTPUT | Crane           | 50821     |
| 5962-9306902HXC                         | SMTR2812S/HO                        | 1          | DC/DC CONVERTER, 30W, 12V OUTPUT | Crane           | 50821     |
| 5962L9306902HZA                         | SMTR2812SF/HL                       | 1          | DC/DC CONVERTER, 30W, 12V OUTPUT | Crane           | 50821     |
| 5962L9306902KXC                         | SMTR2812S/KL                        | 1          | DC/DC CONVERTER, 30W, 12V OUTPUT | Crane           | 50821     |
| 5962P9306902KXC                         | SMTR2812S/KP                        | 1          | DC/DC CONVERTER, 30W, 12V OUTPUT | Crane           | 50821     |
| 5962L9306902HZC                         | SMTR2812SF/HL                       | 1          | DC/DC CONVERTER, 30W, 12V OUTPUT | Crane           | 50821     |
| 5962P9306902KXA                         | SMTR2812S/KP                        | 1          | DC/DC CONVERTER, 30W, 12V OUTPUT | Crane           | 50821     |
| 5962-9306902HZA                         | SMTR2812SF/HO                       | 1          | DC/DC CONVERTER, 30W, 12V OUTPUT | Crane           | 50821     |
| 5962R9306902KXA                         | SMTR2812S/KR                        | 1          | DC/DC CONVERTER, 30W, 12V OUTPUT | Crane           | 50821     |
| 5962R9306902KZA                         | SMTR2812SF/KR                       | 1          | DC/DC CONVERTER, 30W, 12V OUTPUT | Crane           | 50821     |
| 5962P9306902HXA                         | SMTR2812S/HP                        | 1          | DC/DC CONVERTER, 30W, 12V OUTPUT | Crane           | 50821     |
| 5962-9306902HXA                         | SMTR2812S/HO                        | 1          | DC/DC CONVERTER, 30W, 12V OUTPUT | Crane           | 50821     |
| 5962L9306902HXC                         | SMTR2812S/HL                        | 1          | DC/DC CONVERTER, 30W, 12V OUTPUT | Crane           | 50821     |
| 5962L9306902KXA                         | SMTR2812S/KL                        | 1          | DC/DC CONVERTER, 30W, 12V OUTPUT | Crane           | 50821     |
| 5962R9306902HXC                         | SMTR2812S/HR                        | 1          | DC/DC CONVERTER, 30W, 12V OUTPUT | Crane           | 50821     |
| 5962R9306902HXA                         | SMTR2812S/HR                        | 1          | DC/DC CONVERTER, 30W, 12V OUTPUT | Crane           | 50821     |
| 5962P9306902HXC                         | SMTR2812S/HP                        | 1          | DC/DC CONVERTER, 30W, 12V OUTPUT | Crane           | 50821     |
| 5962-9306902HZC                         | SMTR2812SF/HO                       | 1          | DC/DC CONVERTER, 30W, 12V OUTPUT | Crane           | 50821     |
| 5962P9306902HZC                         | SMTR2812SF/HP                       | 1          | DC/DC CONVERTER, 30W, 12V OUTPUT | Crane           | 50821     |
| 5962R9306902HZA                         | SMTR2812SF/HR                       | 1          | DC/DC CONVERTER, 30W, 12V OUTPUT | Crane           | 50821     |
| 5962R9306902HZC                         | SMTR2812SF/HR                       | 1          | DC/DC CONVERTER, 30W, 12V OUTPUT | Crane           | 50821     |
| 5962L9306902KZA                         | SMTR2812SF/KL                       | 1          | DC/DC CONVERTER, 30W, 12V OUTPUT | Crane           | 50821     |
| 5962L9306902KZC                         | SMTR2812SF/KL                       | 1          | DC/DC CONVERTER, 30W, 12V OUTPUT | Crane           | 50821     |
| 5962P9306902HZA                         | SMTR2812SF/HP                       | 1          | DC/DC CONVERTER, 30W, 12V OUTPUT | Crane           | 50821     |
| 5962P9306902KZC                         | SMTR2812SF/KP                       | 1          | DC/DC CONVERTER, 30W, 12V OUTPUT | Crane           | 50821     |
| 5962L9306902HXA                         | SMTR2812S/HL                        | 1          | DC/DC CONVERTER, 30W, 12V OUTPUT | Crane           | 50821     |
| 5962R9306902KZC                         | SMTR2812SF/KR                       | 1          | DC/DC CONVERTER, 30W, 12V OUTPUT | Crane           | 50821     |
| 5962P9306902KZA                         | SMTR2812SF/KP                       | 1          | DC/DC CONVERTER, 30W, 12V OUTPUT | Crane           | 50821     |
| 5962-9307001HXA                         | MTR2815S/883                        | 1          | DC/DC CONVERTER, 30W, 15V OUTPUT | Crane           | 50821     |
| 5962-9307001HZC                         | MTR2815SF/883                       | 1          | DC/DC CONVERTER, 30W, 15V OUTPUT | Crane           | 50821     |
| 5962-9307001HXC                         | MTR2815S/883                        | 1          | DC/DC CONVERTER, 30W, 15V OUTPUT | Crane           | 50821     |
| 5962-9307001HZA                         | MTR2815SF/883                       | 1          | DC/DC CONVERTER, 30W, 15V OUTPUT | Crane           | 50821     |
| 5962R9307002KXA                         | SMTR2815S/KR                        | 1          | DC/DC CONVERTER, 30W, 15V OUTPUT | Crane           | 50821     |
| 5962P9307002KZA                         | SMTR2815SF/KP                       | 1          | DC/DC CONVERTER, 30W, 15V OUTPUT | Crane           | 50821     |
| 5962P9307002KZC                         | SMTR2815SF/KP                       | 1          | DC/DC CONVERTER, 30W, 15V OUTPUT | Crane           | 50821     |
| 5962R9307002KZA                         | SMTR2815SF/KR                       | 1          | DC/DC CONVERTER, 30W, 15V OUTPUT | Crane           | 50821     |
| 5962L9307002KZC                         | SMTR2815SF/KL                       | 1          | DC/DC CONVERTER, 30W, 15V OUTPUT | Crane           | 50821     |
| 5962L9307002KZA                         | SMTR2815SF/KL                       | 1          | DC/DC CONVERTER, 30W, 15V OUTPUT | Crane           | 50821     |
| 5962R9307002HZC                         | SMTR2815SF/HR                       | 1          | DC/DC CONVERTER, 30W, 15V OUTPUT | Crane           | 50821     |
| 5962R9307002HZA                         | SMTR2815SF/HR                       | 1          | DC/DC CONVERTER, 30W, 15V OUTPUT | Crane           | 50821     |
| 5962P9307002HZC                         | SMTR2815SF/HP                       | 1          | DC/DC CONVERTER, 30W, 15V OUTPUT | Crane           | 50821     |
| 5962P9307002HZA                         | SMTR2815SF/HP                       | 1          | DC/DC CONVERTER, 30W, 15V OUTPUT | Crane           | 50821     |
| 5962-9307002HZC                         | SMTR2815SF/HO                       | 1          | DC/DC CONVERTER, 30W, 15V OUTPUT | Crane           | 50821     |
| 5962-9307002HZA                         | SMTR2815SF/HO                       | 1          | DC/DC CONVERTER, 30W, 15V OUTPUT | Crane           | 50821     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |                                   |                 |           |
|---|-------------------------------------|------------|-----------------------------------|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description          | Approved Source | CAGE Code |
| 5962L9307002HZC                         | SMTR2815SF/HL                       | 1          | DC/DC CONVERTER, 30W, 15V OUTPUT  | Crane           | 50821     |
| 5962R9307002KZC                         | SMTR2815SF/KR                       | 1          | DC/DC CONVERTER, 30W, 15V OUTPUT  | Crane           | 50821     |
| 5962L9307002HXA                         | SMTR2815S/HL                        | 1          | DC/DC CONVERTER, 30W, 15V OUTPUT  | Crane           | 50821     |
| 5962P9307002KXC                         | SMTR2815S/KP                        | 1          | DC/DC CONVERTER, 30W, 15V OUTPUT  | Crane           | 50821     |
| 5962P9307002KXA                         | SMTR2815S/KP                        | 1          | DC/DC CONVERTER, 30W, 15V OUTPUT  | Crane           | 50821     |
| 5962L9307002KXC                         | SMTR2815S/KL                        | 1          | DC/DC CONVERTER, 30W, 15V OUTPUT  | Crane           | 50821     |
| 5962L9307002KXA                         | SMTR2815S/KL                        | 1          | DC/DC CONVERTER, 30W, 15V OUTPUT  | Crane           | 50821     |
| 5962R9307002HXC                         | SMTR2815S/HR                        | 1          | DC/DC CONVERTER, 30W, 15V OUTPUT  | Crane           | 50821     |
| 5962R9307002HXA                         | SMTR2815S/HR                        | 1          | DC/DC CONVERTER, 30W, 15V OUTPUT  | Crane           | 50821     |
| 5962P9307002HXC                         | SMTR2815S/HP                        | 1          | DC/DC CONVERTER, 30W, 15V OUTPUT  | Crane           | 50821     |
| 5962P9307002HXA                         | SMTR2815S/HP                        | 1          | DC/DC CONVERTER, 30W, 15V OUTPUT  | Crane           | 50821     |
| 5962-9307002HXC                         | SMTR2815S/HO                        | 1          | DC/DC CONVERTER, 30W, 15V OUTPUT  | Crane           | 50821     |
| 5962-9307002HXA                         | SMTR2815S/HO                        | 1          | DC/DC CONVERTER, 30W, 15V OUTPUT  | Crane           | 50821     |
| 5962L9307002HXC                         | SMTR2815S/HL                        | 1          | DC/DC CONVERTER, 30W, 15V OUTPUT  | Crane           | 50821     |
| 5962R9307002KXC                         | SMTR2815S/KR                        | 1          | DC/DC CONVERTER, 30W, 15V OUTPUT  | Crane           | 50821     |
| 5962L9307002HZA                         | SMTR2815SF/HL                       | 1          | DC/DC CONVERTER, 30W, 15V OUTPUT  | Crane           | 50821     |
| 5962-9307101HXA                         | MTR2812D/883                        | 1          | DC/DC CONVERTER, 30W, ±12V OUTPUT | Crane           | 50821     |
| 5962-9307101HXC                         | MTR2812D/883                        | 1          | DC/DC CONVERTER, 30W, ±12V OUTPUT | Crane           | 50821     |
| 5962-9307101HZC                         | MTR2812DF/883                       | 1          | DC/DC CONVERTER, 30W, ±12V OUTPUT | Crane           | 50821     |
| 5962-9307101HZA                         | MTR2812DF/883                       | 1          | DC/DC CONVERTER, 30W, ±12V OUTPUT | Crane           | 50821     |
| 5962R9307102HXC                         | SMTR2812D/HR                        | 1          | DC/DC CONVERTER, 30W, ±12V OUTPUT | Crane           | 50821     |
| 5962L9307102HXA                         | SMTR2812D/HL                        | 1          | DC/DC CONVERTER, 30W, ±12V OUTPUT | Crane           | 50821     |
| 5962L9307102HXC                         | SMTR2812D/HL                        | 1          | DC/DC CONVERTER, 30W, ±12V OUTPUT | Crane           | 50821     |
| 5962-9307102HXA                         | SMTR2812D/HO                        | 1          | DC/DC CONVERTER, 30W, ±12V OUTPUT | Crane           | 50821     |
| 5962-9307102HXC                         | SMTR2812D/HO                        | 1          | DC/DC CONVERTER, 30W, ±12V OUTPUT | Crane           | 50821     |
| 5962P9307102HXA                         | SMTR2812D/HP                        | 1          | DC/DC CONVERTER, 30W, ±12V OUTPUT | Crane           | 50821     |
| 5962P9307102HXC                         | SMTR2812D/HP                        | 1          | DC/DC CONVERTER, 30W, ±12V OUTPUT | Crane           | 50821     |
| 5962R9307102HXA                         | SMTR2812D/HR                        | 1          | DC/DC CONVERTER, 30W, ±12V OUTPUT | Crane           | 50821     |
| 5962L9307102KZA                         | SMTR2812DF/KL                       | 1          | DC/DC CONVERTER, 30W, ±12V OUTPUT | Crane           | 50821     |
| 5962R9307102KZA                         | SMTR2812DF/KR                       | 1          | DC/DC CONVERTER, 30W, ±12V OUTPUT | Crane           | 50821     |
| 5962L9307102KXA                         | SMTR2812D/KL                        | 1          | DC/DC CONVERTER, 30W, ±12V OUTPUT | Crane           | 50821     |
| 5962R9307102KZC                         | SMTR2812DF/KR                       | 1          | DC/DC CONVERTER, 30W, ±12V OUTPUT | Crane           | 50821     |
| 5962P9307102KZC                         | SMTR2812DF/KP                       | 1          | DC/DC CONVERTER, 30W, ±12V OUTPUT | Crane           | 50821     |
| 5962L9307102KZC                         | SMTR2812DF/KL                       | 1          | DC/DC CONVERTER, 30W, ±12V OUTPUT | Crane           | 50821     |
| 5962R9307102HZC                         | SMTR2812DF/HR                       | 1          | DC/DC CONVERTER, 30W, ±12V OUTPUT | Crane           | 50821     |
| 5962R9307102HZA                         | SMTR2812DF/HR                       | 1          | DC/DC CONVERTER, 30W, ±12V OUTPUT | Crane           | 50821     |
| 5962P9307102HZC                         | SMTR2812DF/HP                       | 1          | DC/DC CONVERTER, 30W, ±12V OUTPUT | Crane           | 50821     |
| 5962P9307102HZA                         | SMTR2812DF/HP                       | 1          | DC/DC CONVERTER, 30W, ±12V OUTPUT | Crane           | 50821     |
| 5962-9307102HZC                         | SMTR2812DF/HO                       | 1          | DC/DC CONVERTER, 30W, ±12V OUTPUT | Crane           | 50821     |
| 5962R9307102KXA                         | SMTR2812D/KR                        | 1          | DC/DC CONVERTER, 30W, ±12V OUTPUT | Crane           | 50821     |
| 5962L9307102KXC                         | SMTR2812D/KL                        | 1          | DC/DC CONVERTER, 30W, ±12V OUTPUT | Crane           | 50821     |
| 5962P9307102KZA                         | SMTR2812DF/KP                       | 1          | DC/DC CONVERTER, 30W, ±12V OUTPUT | Crane           | 50821     |
| 5962P9307102KXC                         | SMTR2812D/KP                        | 1          | DC/DC CONVERTER, 30W, ±12V OUTPUT | Crane           | 50821     |
| 5962P9307102KXA                         | SMTR2812D/KP                        | 1          | DC/DC CONVERTER, 30W, ±12V OUTPUT | Crane           | 50821     |
| 5962R9307102KXC                         | SMTR2812D/KR                        | 1          | DC/DC CONVERTER, 30W, ±12V OUTPUT | Crane           | 50821     |
| 5962L9307102HZA                         | SMTR2812DF/HL                       | 1          | DC/DC CONVERTER, 30W, ±12V OUTPUT | Crane           | 50821     |
| 5962L9307102HZC                         | SMTR2812DF/HL                       | 1          | DC/DC CONVERTER, 30W, ±12V OUTPUT | Crane           | 50821     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |   |                 |           |
|---|-------------------------------------|------------|---|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                                  | Approved Source | CAGE Code |
| 5962-9307102HZA                         | SMTR2812DF/HO                       | 1          | DC/DC CONVERTER, 30W, ±12V OUTPUT                         | Crane           | 50821     |
| 5962-9307201HZC                         | MTR2815DF/883                       | 1          | DC/DC CONVERTER, 30W, ±15V OUTPUT                         | Crane           | 50821     |
| 5962-9307201HXC                         | MTR2815D/883                        | 1          | DC/DC CONVERTER, 30W, ±15V OUTPUT                         | Crane           | 50821     |
| 5962-9307201HZA                         | MTR2815DF/883                       | 1          | DC/DC CONVERTER, 30W, ±15V OUTPUT                         | Crane           | 50821     |
| 5962-9307201HXA                         | MTR2815D/883                        | 1          | DC/DC CONVERTER, 30W, ±15V OUTPUT                         | Crane           | 50821     |
| 5962L9307202HZC                         | SMTR2815DF/HL                       | 1          | DC/DC CONVERTER, 30W, ±15V OUTPUT                         | Crane           | 50821     |
| 5962P9307202HZC                         | SMTR2815DF/HP                       | 1          | DC/DC CONVERTER, 30W, ±15V OUTPUT                         | Crane           | 50821     |
| 5962-9307202HZC                         | SMTR2815DF/HO                       | 1          | DC/DC CONVERTER, 30W, ±15V OUTPUT                         | Crane           | 50821     |
| 5962P9307202HZA                         | SMTR2815DF/HP                       | 1          | DC/DC CONVERTER, 30W, ±15V OUTPUT                         | Crane           | 50821     |
| 5962-9307202HZA                         | SMTR2815DF/HO                       | 1          | DC/DC CONVERTER, 30W, ±15V OUTPUT                         | Crane           | 50821     |
| 5962R9307202HZA                         | SMTR2815DF/HR                       | 1          | DC/DC CONVERTER, 30W, ±15V OUTPUT                         | Crane           | 50821     |
| 5962R9307202HZC                         | SMTR2815DF/HR                       | 1          | DC/DC CONVERTER, 30W, ±15V OUTPUT                         | Crane           | 50821     |
| 5962L9307202KZA                         | SMTR2815DF/KL                       | 1          | DC/DC CONVERTER, 30W, ±15V OUTPUT                         | Crane           | 50821     |
| 5962R9307202KZA                         | SMTR2815DF/KR                       | 1          | DC/DC CONVERTER, 30W, ±15V OUTPUT                         | Crane           | 50821     |
| 5962R9307202KZC                         | SMTR2815DF/KR                       | 1          | DC/DC CONVERTER, 30W, ±15V OUTPUT                         | Crane           | 50821     |
| 5962L9307202HZA                         | SMTR2815DF/HL                       | 1          | DC/DC CONVERTER, 30W, ±15V OUTPUT                         | Crane           | 50821     |
| 5962L9307202HXC                         | SMTR2815D/HL                        | 1          | DC/DC CONVERTER, 30W, ±15V OUTPUT                         | Crane           | 50821     |
| 5962P9307202KZA                         | SMTR2815DF/KP                       | 1          | DC/DC CONVERTER, 30W, ±15V OUTPUT                         | Crane           | 50821     |
| 5962R9307202KXC                         | SMTR2815D/KR                        | 1          | DC/DC CONVERTER, 30W, ±15V OUTPUT                         | Crane           | 50821     |
| 5962R9307202KXA                         | SMTR2815D/KR                        | 1          | DC/DC CONVERTER, 30W, ±15V OUTPUT                         | Crane           | 50821     |
| 5962P9307202KXC                         | SMTR2815D/KP                        | 1          | DC/DC CONVERTER, 30W, ±15V OUTPUT                         | Crane           | 50821     |
| 5962P9307202KXA                         | SMTR2815D/KP                        | 1          | DC/DC CONVERTER, 30W, ±15V OUTPUT                         | Crane           | 50821     |
| 5962L9307202KXC                         | SMTR2815D/KL                        | 1          | DC/DC CONVERTER, 30W, ±15V OUTPUT                         | Crane           | 50821     |
| 5962L9307202KXA                         | SMTR2815D/KL                        | 1          | DC/DC CONVERTER, 30W, ±15V OUTPUT                         | Crane           | 50821     |
| 5962R9307202HXC                         | SMTR2815D/HR                        | 1          | DC/DC CONVERTER, 30W, ±15V OUTPUT                         | Crane           | 50821     |
| 5962R9307202HXA                         | SMTR2815D/HR                        | 1          | DC/DC CONVERTER, 30W, ±15V OUTPUT                         | Crane           | 50821     |
| 5962P9307202HXC                         | SMTR2815D/HP                        | 1          | DC/DC CONVERTER, 30W, ±15V OUTPUT                         | Crane           | 50821     |
| 5962P9307202HXA                         | SMTR2815D/HP                        | 1          | DC/DC CONVERTER, 30W, ±15V OUTPUT                         | Crane           | 50821     |
| 5962-9307202HXA                         | SMTR2815D/HO                        | 1          | DC/DC CONVERTER, 30W, ±15V OUTPUT                         | Crane           | 50821     |
| 5962L9307202HXA                         | SMTR2815D/HL                        | 1          | DC/DC CONVERTER, 30W, ±15V OUTPUT                         | Crane           | 50821     |
| 5962L9307202KZC                         | SMTR2815DF/KL                       | 1          | DC/DC CONVERTER, 30W, ±15V OUTPUT                         | Crane           | 50821     |
| 5962-9307202HXC                         | SMTR2815D/HO                        | 1          | DC/DC CONVERTER, 30W, ±15V OUTPUT                         | Crane           | 50821     |
| 5962P9307202KZC                         | SMTR2815DF/KP                       | 1          | DC/DC CONVERTER, 30W, ±15V OUTPUT                         | Crane           | 50821     |
| 5962-9307301HXC                         | MTR28512T/883                       | 1          | DC-TO-DC CONVERTER, +5 AND ±12 VOLT, TRIPLE CHANNEL       | Crane           | 50821     |
| 5962-9307301HZA                         | MTR28512TF/883                      | 1          | DC-TO-DC CONVERTER, +5 AND ±12 VOLT, TRIPLE CHANNEL       | Crane           | 50821     |
| 5962-9307301HZC                         | MTR28512TF/883                      | 1          | DC-TO-DC CONVERTER, +5 AND ±12 VOLT, TRIPLE CHANNEL       | Crane           | 50821     |
| 5962-9307301HXA                         | MTR28512T/883                       | 1          | DC-TO-DC CONVERTER, +5 AND ±12 VOLT, TRIPLE CHANNEL       | Crane           | 50821     |
| 5962-9307401HXA                         | MTR28515T/883                       | 1          | DC-TO-DC CONVERTER, +5 AND ±15 VOLT, 30 W, TRIPLE CHANNEL | Crane           | 50821     |
| 5962-9307401HXC                         | MTR28515T/883                       | 1          | DC-TO-DC CONVERTER, +5 AND ±15 VOLT, 30 W, TRIPLE CHANNEL | Crane           | 50821     |
| 5962-9307401HZA                         | MTR28515TF/883                      | 1          | DC-TO-DC CONVERTER, +5 AND ±15 VOLT, 30 W, TRIPLE CHANNEL | Crane           | 50821     |
| 5962-9307401HZC                         | MTR28515TF/883                      | 1          | DC-TO-DC CONVERTER, +5 AND ±15 VOLT, 30 W, TRIPLE CHANNEL | Crane           | 50821     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |   |                 |           |
|---|-------------------------------------|------------|---|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                                  | Approved Source | CAGE Code |
| 5962-9307402HZC                         | SMTR28515TF/HO                      | 1          | DC-TO-DC CONVERTER, +5 AND ±15 VOLT, 30 W, TRIPLE CHANNEL | Crane           | 50821     |
| 5962P9307402HZC                         | SMTR28515TF/HP                      | 1          | DC-TO-DC CONVERTER, +5 AND ±15 VOLT, 30 W, TRIPLE CHANNEL | Crane           | 50821     |
| 5962R9307402HZA                         | SMTR28515TF/HR                      | 1          | DC-TO-DC CONVERTER, +5 AND ±15 VOLT, 30 W, TRIPLE CHANNEL | Crane           | 50821     |
| 5962R9307402HZC                         | SMTR28515TF/HR                      | 1          | DC-TO-DC CONVERTER, +5 AND ±15 VOLT, 30 W, TRIPLE CHANNEL | Crane           | 50821     |
| 5962D9307402KZA                         | SMTR28515TF/KD                      | 1          | DC-TO-DC CONVERTER, +5 AND ±15 VOLT, 30 W, TRIPLE CHANNEL | Crane           | 50821     |
| 5962D9307402KZC                         | SMTR28515TF/KD                      | 1          | DC-TO-DC CONVERTER, +5 AND ±15 VOLT, 30 W, TRIPLE CHANNEL | Crane           | 50821     |
| 5962L9307402KZA                         | SMTR28515TF/KL                      | 1          | DC-TO-DC CONVERTER, +5 AND ±15 VOLT, 30 W, TRIPLE CHANNEL | Crane           | 50821     |
| 5962L9307402KZC                         | SMTR28515TF/KL                      | 1          | DC-TO-DC CONVERTER, +5 AND ±15 VOLT, 30 W, TRIPLE CHANNEL | Crane           | 50821     |
| 5962P9307402KZC                         | SMTR28515TF/KP                      | 1          | DC-TO-DC CONVERTER, +5 AND ±15 VOLT, 30 W, TRIPLE CHANNEL | Crane           | 50821     |
| 5962L9307402HZA                         | SMTR28515TF/HL                      | 1          | DC-TO-DC CONVERTER, +5 AND ±15 VOLT, 30 W, TRIPLE CHANNEL | Crane           | 50821     |
| 5962R9307402KZA                         | SMTR28515TF/KR                      | 1          | DC-TO-DC CONVERTER, +5 AND ±15 VOLT, 30 W, TRIPLE CHANNEL | Crane           | 50821     |
| 5962R9307402KZC                         | SMTR28515TF/KR                      | 1          | DC-TO-DC CONVERTER, +5 AND ±15 VOLT, 30 W, TRIPLE CHANNEL | Crane           | 50821     |
| 5962P9307402KZA                         | SMTR28515TF/KP                      | 1          | DC-TO-DC CONVERTER, +5 AND ±15 VOLT, 30 W, TRIPLE CHANNEL | Crane           | 50821     |
| 5962D9307402KXC                         | SMTR28515T/KD                       | 1          | DC-TO-DC CONVERTER, +5 AND ±15 VOLT, 30 W, TRIPLE CHANNEL | Crane           | 50821     |
| 5962D9307402HXC                         | SMTR28515T/HD                       | 1          | DC-TO-DC CONVERTER, +5 AND ±15 VOLT, 30 W, TRIPLE CHANNEL | Crane           | 50821     |
| 5962L9307402HXA                         | SMTR28515T/HL                       | 1          | DC-TO-DC CONVERTER, +5 AND ±15 VOLT, 30 W, TRIPLE CHANNEL | Crane           | 50821     |
| 5962L9307402HXC                         | SMTR28515T/HL                       | 1          | DC-TO-DC CONVERTER, +5 AND ±15 VOLT, 30 W, TRIPLE CHANNEL | Crane           | 50821     |
| 5962-9307402HXA                         | SMTR28515T/HO                       | 1          | DC-TO-DC CONVERTER, +5 AND ±15 VOLT, 30 W, TRIPLE CHANNEL | Crane           | 50821     |
| 5962-9307402HXC                         | SMTR28515T/HO                       | 1          | DC-TO-DC CONVERTER, +5 AND ±15 VOLT, 30 W, TRIPLE CHANNEL | Crane           | 50821     |
| 5962P9307402HXA                         | SMTR28515T/HP                       | 1          | DC-TO-DC CONVERTER, +5 AND ±15 VOLT, 30 W, TRIPLE CHANNEL | Crane           | 50821     |
| 5962P9307402HXC                         | SMTR28515T/HP                       | 1          | DC-TO-DC CONVERTER, +5 AND ±15 VOLT, 30 W, TRIPLE CHANNEL | Crane           | 50821     |
| 5962R9307402HXA                         | SMTR28515T/HR                       | 1          | DC-TO-DC CONVERTER, +5 AND ±15 VOLT, 30 W, TRIPLE CHANNEL | Crane           | 50821     |
| 5962D9307402HXA                         | SMTR28515T/HD                       | 1          | DC-TO-DC CONVERTER, +5 AND ±15 VOLT, 30 W, TRIPLE CHANNEL | Crane           | 50821     |
| 5962D9307402KXA                         | SMTR28515T/KD                       | 1          | DC-TO-DC CONVERTER, +5 AND ±15 VOLT, 30 W, TRIPLE CHANNEL | Crane           | 50821     |
| 5962L9307402HZC                         | SMTR28515TF/HL                      | 1          | DC-TO-DC CONVERTER, +5 AND ±15 VOLT, 30 W, TRIPLE CHANNEL | Crane           | 50821     |
| 5962L9307402KXA                         | SMTR28515T/KL                       | 1          | DC-TO-DC CONVERTER, +5 AND ±15 VOLT, 30 W, TRIPLE CHANNEL | Crane           | 50821     |
| 5962L9307402KXC                         | SMTR28515T/KL                       | 1          | DC-TO-DC CONVERTER, +5 AND ±15 VOLT, 30 W, TRIPLE CHANNEL | Crane           | 50821     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |   |                 |           |
|---|-------------------------------------|------------|---|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                                  | Approved Source | CAGE Code |
| 5962P9307402KXA                         | SMTR28515T/KP                       | 1          | DC-TO-DC CONVERTER, +5 AND ±15 VOLT, 30 W, TRIPLE CHANNEL | Crane           | 50821     |
| 5962P9307402KXC                         | SMTR28515T/KP                       | 1          | DC-TO-DC CONVERTER, +5 AND ±15 VOLT, 30 W, TRIPLE CHANNEL | Crane           | 50821     |
| 5962R9307402KXA                         | SMTR28515T/KR                       | 1          | DC-TO-DC CONVERTER, +5 AND ±15 VOLT, 30 W, TRIPLE CHANNEL | Crane           | 50821     |
| 5962R9307402KXC                         | SMTR28515T/KR                       | 1          | DC-TO-DC CONVERTER, +5 AND ±15 VOLT, 30 W, TRIPLE CHANNEL | Crane           | 50821     |
| 5962D9307402HZA                         | SMTR28515TF/HD                      | 1          | DC-TO-DC CONVERTER, +5 AND ±15 VOLT, 30 W, TRIPLE CHANNEL | Crane           | 50821     |
| 5962D9307402HXC                         | SMTR28515TF/HD                      | 1          | DC-TO-DC CONVERTER, +5 AND ±15 VOLT, 30 W, TRIPLE CHANNEL | Crane           | 50821     |
| 5962P9307402HZA                         | SMTR28515TF/HP                      | 1          | DC-TO-DC CONVERTER, +5 AND ±15 VOLT, 30 W, TRIPLE CHANNEL | Crane           | 50821     |
| 5962R9307402HXC                         | SMTR28515T/HR                       | 1          | DC-TO-DC CONVERTER, +5 AND ±15 VOLT, 30 W, TRIPLE CHANNEL | Crane           | 50821     |
| 5962-9307402HZA                         | SMTR28515TF/HO                      | 1          | DC-TO-DC CONVERTER, +5 AND ±15 VOLT, 30 W, TRIPLE CHANNEL | Crane           | 50821     |
| 5962-9308901HXC                         | MSA2812D/883                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 5W, ±12V OUTPUT            | Crane           | 50821     |
| 5962-9308901HXA                         | MSA2812D/883                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 5W, ±12V OUTPUT            | Crane           | 50821     |
| 5962-9308901HZA                         | MGA2812DZ/883                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, 5W, ±12V OUTPUT            | Crane           | 50821     |
| 5962-9308901HYC                         | MGA2812DY/883                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, 5W, ±12V OUTPUT            | Crane           | 50821     |
| 5962-9308901HYA                         | MGA2812DY/883                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, 5W, ±12V OUTPUT            | Crane           | 50821     |
| 5962R9308902KXA                         | SMSA2812D/KR                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 5W, ±12V OUTPUT            | Crane           | 50821     |
| 5962L9308902HXA                         | SMSA2812D/HL                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 5W, ±12V OUTPUT            | Crane           | 50821     |
| 5962R9308902HXC                         | SMSA2812D/HR                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 5W, ±12V OUTPUT            | Crane           | 50821     |
| 5962R9308902KXC                         | SMSA2812D/KR                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 5W, ±12V OUTPUT            | Crane           | 50821     |
| 5962P9308902KXA                         | SMSA2812D/KP                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 5W, ±12V OUTPUT            | Crane           | 50821     |
| 5962-9308902HXA                         | SMSA2812D/HO                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 5W, ±12V OUTPUT            | Crane           | 50821     |
| 5962-9308902HXC                         | SMSA2812D/HO                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 5W, ±12V OUTPUT            | Crane           | 50821     |
| 5962P9308902HXA                         | SMSA2812D/HP                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 5W, ±12V OUTPUT            | Crane           | 50821     |
| 5962R9308902HXA                         | SMSA2812D/HR                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 5W, ±12V OUTPUT            | Crane           | 50821     |
| 5962L9308902KXA                         | SMSA2812D/KL                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 5W, ±12V OUTPUT            | Crane           | 50821     |
| 5962L9308902KXC                         | SMSA2812D/KL                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 5W, ±12V OUTPUT            | Crane           | 50821     |
| 5962L9308902HXC                         | SMSA2812D/HL                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 5W, ±12V OUTPUT            | Crane           | 50821     |
| 5962P9308902HXC                         | SMSA2812D/HP                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 5W, ±12V OUTPUT            | Crane           | 50821     |
| 5962P9308902KXC                         | SMSA2812D/KP                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 5W, ±12V OUTPUT            | Crane           | 50821     |
| 5962-9309001HXA                         | MSA2815D/883                        | 1          | DC/DC CONVERTER, 5W, ±15V OUTPUT                          | Crane           | 50821     |
| 5962-9309001HZA                         | MGA2815DZ883                        | 1          | DC/DC CONVERTER, 5W, ±15V OUTPUT                          | Crane           | 50821     |
| 5962-9309001HXC                         | MSA2815D/883                        | 1          | DC/DC CONVERTER, 5W, ±15V OUTPUT                          | Crane           | 50821     |
| 5962-9309001HYA                         | MGA2815DY/883                       | 1          | DC/DC CONVERTER, 5W, ±15V OUTPUT                          | Crane           | 50821     |
| 5962-9309001HYC                         | MGA2815DY/883                       | 1          | DC/DC CONVERTER, 5W, ±15V OUTPUT                          | Crane           | 50821     |
| 5962-9309002HXA                         | SMSA2815D/HO                        | 1          | DC/DC CONVERTER, 5W, ±15V OUTPUT                          | Crane           | 50821     |
| 5962R9309002KXA                         | SMSA2815D/KR                        | 1          | DC/DC CONVERTER, 5W, ±15V OUTPUT                          | Crane           | 50821     |
| 5962P9309002KXC                         | SMSA2815D/KP                        | 1          | DC/DC CONVERTER, 5W, ±15V OUTPUT                          | Crane           | 50821     |
| 5962P9309002HXC                         | SMSA2815D/HP                        | 1          | DC/DC CONVERTER, 5W, ±15V OUTPUT                          | Crane           | 50821     |
| 5962P9309002HXA                         | SMSA2815D/HP                        | 1          | DC/DC CONVERTER, 5W, ±15V OUTPUT                          | Crane           | 50821     |
| 5962L9309002HXA                         | SMSA2815D/HL                        | 1          | DC/DC CONVERTER, 5W, ±15V OUTPUT                          | Crane           | 50821     |
| 5962-9309002HXC                         | SMSA2815D/HO                        | 1          | DC/DC CONVERTER, 5W, ±15V OUTPUT                          | Crane           | 50821     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                             | Approved Source | CAGE Code |
| 5962L9309002KXA                         | SMSA2815D/KL                        | 1          | DC/DC CONVERTER, 5W, ±15V OUTPUT                     | Crane           | 50821     |
| 5962L9309002HXC                         | SMSA2815D/HL                        | 1          | DC/DC CONVERTER, 5W, ±15V OUTPUT                     | Crane           | 50821     |
| 5962P9309002KXA                         | SMSA2815D/KP                        | 1          | DC/DC CONVERTER, 5W, ±15V OUTPUT                     | Crane           | 50821     |
| 5962L9309002KXC                         | SMSA2815D/KL                        | 1          | DC/DC CONVERTER, 5W, ±15V OUTPUT                     | Crane           | 50821     |
| 5962R9309002KXC                         | SMSA2815D/KR                        | 1          | DC/DC CONVERTER, 5W, ±15V OUTPUT                     | Crane           | 50821     |
| 5962R9309002HXA                         | SMSA2815D/HR                        | 1          | DC/DC CONVERTER, 5W, ±15V OUTPUT                     | Crane           | 50821     |
| 5962R9309002HXC                         | SMSA2815D/HR                        | 1          | DC/DC CONVERTER, 5W, ±15V OUTPUT                     | Crane           | 50821     |
| 5962-9309101HYA                         | WE-512K8-150CQ                      | 1          | PROM, ELECTR. ERASABLE, 512K X 8, 150 NS ACCESS TIME | White           | 54230     |
| 5962-9309101HXC                         | WE-512K8-150CQ                      | 1          | PROM, ELECTR. ERASABLE, 512K X 8, 150 NS ACCESS TIME | White           | 54230     |
| 5962-9309101HXA                         | WE-512K8-150CQ                      | 1          | PROM, ELECTR. ERASABLE, 512K X 8, 150 NS ACCESS TIME | White           | 54230     |
| 5962-9309101HYC                         | WE-512K8-150CQ                      | 1          | PROM, ELECTR. ERASABLE, 512K X 8, 150 NS ACCESS TIME | White           | 54230     |
| 5962-9309102HXC                         | WE-512K8-300CQ                      | 1          | PROM, ELECTR. ERASABLE, 512K X 8, 300 NS ACCESS TIME | White           | 54230     |
| 5962-9309102HXA                         | WE-512K8-300CQ                      | 1          | PROM, ELECTR. ERASABLE, 512K X 8, 300 NS ACCESS TIME | White           | 54230     |
| 5962-9309102HYC                         | WE-512K8-300CQ                      | 1          | PROM, ELECTR. ERASABLE, 512K X 8, 300 NS ACCESS TIME | White           | 54230     |
| 5962-9309102HYA                         | WE-512K8-300CQ                      | 1          | PROM, ELECTR. ERASABLE, 512K X 8, 300 NS ACCESS TIME | White           | 54230     |
| 5962-9309103HYC                         | WE-512K8-250CQ                      | 1          | PROM, ELECTR. ERASABLE, 512K X 8, 250 NS ACCESS TIME | White           | 54230     |
| 5962-9309103HXC                         | WE-512K8-250CQ                      | 1          | PROM, ELECTR. ERASABLE, 512K X 8, 250 NS ACCESS TIME | White           | 54230     |
| 5962-9309103HYA                         | WE-512K8-250CQ                      | 1          | PROM, ELECTR. ERASABLE, 512K X 8, 250 NS ACCESS TIME | White           | 54230     |
| 5962-9309103HXA                         | WE-512K8-250CQ                      | 1          | PROM, ELECTR. ERASABLE, 512K X 8, 250 NS ACCESS TIME | White           | 54230     |
| 5962-9309104HXA                         | WE-512K8-200CQ                      | 1          | PROM, ELECTR. ERASABLE, 512K X 8, 200 NS ACCESS TIME | White           | 54230     |
| 5962-9309104HYC                         | WE-512K8-200CQ                      | 1          | PROM, ELECTR. ERASABLE, 512K X 8, 200 NS ACCESS TIME | White           | 54230     |
| 5962-9309104HXC                         | WE-512K8-200CQ                      | 1          | PROM, ELECTR. ERASABLE, 512K X 8, 200 NS ACCESS TIME | White           | 54230     |
| 5962-9309104HYA                         | WE-512K8-200CQ                      | 1          | PROM, ELECTR. ERASABLE, 512K X 8, 200 NS ACCESS TIME | White           | 54230     |
| 5962-9309105HYA                         | WE-512K8-200CQ                      | 1          | PROM, ELECTR. ERASABLE, 512K X 8, 200 NS ACCESS TIME | White           | 54230     |
| 5962-9309105HYC                         | WE-512K8-200CQ                      | 1          | PROM, ELECTR. ERASABLE, 512K X 8, 200 NS ACCESS TIME | White           | 54230     |
| 5962-9309201HXC                         | MSA2805S/883                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5W, +5V OUTPUT      | Crane           | 50821     |
| 5962-9309201HXA                         | MSA2805S/883                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5W, +5V OUTPUT      | Crane           | 50821     |
| 5962-9309201HYA                         | MGA2805SY/883                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5W, +5V OUTPUT      | Crane           | 50821     |
| 5962-9309201HYC                         | MGA2805SY/883                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5W, +5V OUTPUT      | Crane           | 50821     |
| 5962-9309201HZA                         | MGA2805SZ/883                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5W, +5V OUTPUT      | Crane           | 50821     |
| 5962D9309202KXC                         | SMSA2805S/KD                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5W, +5V OUTPUT      | Crane           | 50821     |
| 5962P9309202HXC                         | SMSA2805SF/HP                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5W, +5V OUTPUT      | Crane           | 50821     |
| 5962P9309202KXC                         | SMSA2805SF/KP                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5W, +5V OUTPUT      | Crane           | 50821     |
| 5962R9309202HXA                         | SMSA2805S/HR                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5W, +5V OUTPUT      | Crane           | 50821     |
| 5962D9309202HXA                         | SMSA2805S/HD                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5W, +5V OUTPUT      | Crane           | 50821     |
| 5962D9309202HXC                         | SMSA2805S/HD                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5W, +5V OUTPUT      | Crane           | 50821     |
| 5962L9309202HXA                         | SMSA2805S/HL                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5W, +5V OUTPUT      | Crane           | 50821     |
| 5962L9309202HXC                         | SMSA2805S/HL                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5W, +5V OUTPUT      | Crane           | 50821     |
| 5962-9309202HXA                         | SMSA2805S/HO                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5W, +5V OUTPUT      | Crane           | 50821     |
| 5962-9309202HXC                         | SMSA2805S/HO                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5W, +5V OUTPUT      | Crane           | 50821     |
| 5962L9309202KXC                         | SMSA2805S/KL                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5W, +5V OUTPUT      | Crane           | 50821     |
| 5962P9309202HXC                         | SMSA2805S/HP                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5W, +5V OUTPUT      | Crane           | 50821     |
| 5962R9309202KXC                         | SMSA2805S/KR                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5W, +5V OUTPUT      | Crane           | 50821     |
| 5962R9309202HXC                         | SMSA2805S/HR                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5W, +5V OUTPUT      | Crane           | 50821     |
| 5962D9309202KXA                         | SMSA2805S/KD                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5W, +5V OUTPUT      | Crane           | 50821     |
| 5962P9309202KZA                         | SMSA2805SF/KP                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5W, +5V OUTPUT      | Crane           | 50821     |
| 5962L9309202KXA                         | SMSA2805S/KL                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5W, +5V OUTPUT      | Crane           | 50821     |



Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                             | Approved Source | CAGE Code |
| 5962P9309202KXA                         | SMSA2805S/KP                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5W, +5V OUTPUT      | Crane           | 50821     |
| 5962P9309202KXC                         | SMSA2805S/KP                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5W, +5V OUTPUT      | Crane           | 50821     |
| 5962R9309202KXA                         | SMSA2805S/KR                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5W, +5V OUTPUT      | Crane           | 50821     |
| 5962P9309202HXA                         | SMSA2805S/HP                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5W, +5V OUTPUT      | Crane           | 50821     |
| 5962P9309202HZA                         | SMSA2805SF/HP                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5W, +5V OUTPUT      | Crane           | 50821     |
| 5962-9309203HUA                         | DHC2805SH                           | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 6W, +5V OUTPUT      | MSK             | 51651     |
| 5962-9309203HUC                         | DHC2805SH                           | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 6W, +5V OUTPUT      | MSK             | 51651     |
| 5962-9309301HXA                         | MSA2812S/883                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5W, +12V OUTPUT     | Crane           | 50821     |
| 5962-9309301HXC                         | MSA2812S/883                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5W, +12V OUTPUT     | Crane           | 50821     |
| 5962-9309301HYA                         | MGA2812SY/883                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5W, +12V OUTPUT     | Crane           | 50821     |
| 5962-9309301HYC                         | MGA2812SY/883                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5W, +12V OUTPUT     | Crane           | 50821     |
| 5962-9309301HZA                         | MGA2812SZ/883                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5W, +12V OUTPUT     | Crane           | 50821     |
| 5962L9309302KXA                         | SMSA2812S/KL                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5W, +12V OUTPUT     | Crane           | 50821     |
| 5962L9309302HXC                         | SMSA2812S/HL                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5W, +12V OUTPUT     | Crane           | 50821     |
| 5962-9309302HXA                         | SMSA2812S/HO                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5W, +12V OUTPUT     | Crane           | 50821     |
| 5962-9309302HXC                         | SMSA2812S/HO                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5W, +12V OUTPUT     | Crane           | 50821     |
| 5962P9309302HXA                         | SMSA2812S/HP                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5W, +12V OUTPUT     | Crane           | 50821     |
| 5962P9309302HXC                         | SMSA2812S/HP                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5W, +12V OUTPUT     | Crane           | 50821     |
| 5962L9309302HXA                         | SMSA2812S/HL                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5W, +12V OUTPUT     | Crane           | 50821     |
| 5962R9309302HXC                         | SMSA2812S/HR                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5W, +12V OUTPUT     | Crane           | 50821     |
| 5962L9309302KXC                         | SMSA2812S/KL                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5W, +12V OUTPUT     | Crane           | 50821     |
| 5962R9309302KXC                         | SMSA2812S/KR                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5W, +12V OUTPUT     | Crane           | 50821     |
| 5962R9309302KXA                         | SMSA2812S/KR                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5W, +12V OUTPUT     | Crane           | 50821     |
| 5962P9309302KXC                         | SMSA2812S/KP                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5W, +12V OUTPUT     | Crane           | 50821     |
| 5962R9309302HXA                         | SMSA2812S/HR                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5W, +12V OUTPUT     | Crane           | 50821     |
| 5962P9309302KXA                         | SMSA2812S/KP                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5W, +12V OUTPUT     | Crane           | 50821     |
| 5962-9309303HUC                         | DAC2812SH                           | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5.4 W, +12 V OUTPUT | MSK             | 51651     |
| 5962-9309303HUA                         | DAC2812SH                           | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5.4 W, +12 V OUTPUT | MSK             | 51651     |
| 5962-9309401HZA                         | MGA2815SZ/883                       | 1          | DC/DC CONVERTER, 5W, +15V OUTPUT                     | Crane           | 50821     |
| 5962-9309401HXA                         | MSA2815S/883                        | 1          | DC/DC CONVERTER, 5W, +15V OUTPUT                     | Crane           | 50821     |
| 5962-9309401HYA                         | MGA2815SY/883                       | 1          | DC/DC CONVERTER, 5W, +15V OUTPUT                     | Crane           | 50821     |
| 5962-9309401HXC                         | MSA2815S/883                        | 1          | DC/DC CONVERTER, 5W, +15V OUTPUT                     | Crane           | 50821     |
| 5962-9309401HYC                         | MGA2815SY/883                       | 1          | DC/DC CONVERTER, 5W, +15V OUTPUT                     | Crane           | 50821     |
| 5962R9309402KXC                         | SMSA2815S/KR                        | 1          | DC/DC CONVERTER, 5W, +15V OUTPUT                     | Crane           | 50821     |
| 5962R9309402KXA                         | SMSA2815S/KR                        | 1          | DC/DC CONVERTER, 5W, +15V OUTPUT                     | Crane           | 50821     |
| 5962P9309402KXA                         | SMSA2815S/KP                        | 1          | DC/DC CONVERTER, 5W, +15V OUTPUT                     | Crane           | 50821     |
| 5962L9309402KXC                         | SMSA2815S/KL                        | 1          | DC/DC CONVERTER, 5W, +15V OUTPUT                     | Crane           | 50821     |
| 5962P9309402KXC                         | SMSA2815S/KP                        | 1          | DC/DC CONVERTER, 5W, +15V OUTPUT                     | Crane           | 50821     |
| 5962P9309402HZC                         | SMSA2815SF/HP                       | 1          | DC/DC CONVERTER, 5W, +15V OUTPUT                     | Crane           | 50821     |
| 5962P9309402KZA                         | SMSA2815SF/KP                       | 1          | DC/DC CONVERTER, 5W, +15V OUTPUT                     | Crane           | 50821     |
| 5962L9309402KXA                         | SMSA2815S/KL                        | 1          | DC/DC CONVERTER, 5W, +15V OUTPUT                     | Crane           | 50821     |
| 5962P9309402KZC                         | SMSA2815SF/KP                       | 1          | DC/DC CONVERTER, 5W, +15V OUTPUT                     | Crane           | 50821     |
| 5962P9309402HZA                         | SMSA2815SF/HP                       | 1          | DC/DC CONVERTER, 5W, +15V OUTPUT                     | Crane           | 50821     |
| 5962L9309402HXA                         | SMSA2815S/HL                        | 1          | DC/DC CONVERTER, 5W, +15V OUTPUT                     | Crane           | 50821     |
| 5962R9309402HXC                         | SMSA2815S/HR                        | 1          | DC/DC CONVERTER, 5W, +15V OUTPUT                     | Crane           | 50821     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                 | Approved Source | CAGE Code |
| 5962R9309402HXA                         | SMSA2815S/HR                        | 1          | DC/DC CONVERTER, 5W, +15V OUTPUT         | Crane           | 50821     |
| 5962P9309402HXC                         | SMSA2815S/HP                        | 1          | DC/DC CONVERTER, 5W, +15V OUTPUT         | Crane           | 50821     |
| 5962P9309402HXA                         | SMSA2815S/HP                        | 1          | DC/DC CONVERTER, 5W, +15V OUTPUT         | Crane           | 50821     |
| 5962-9309402HXC                         | SMSA2815S/HO                        | 1          | DC/DC CONVERTER, 5W, +15V OUTPUT         | Crane           | 50821     |
| 5962-9309402HXA                         | SMSA2815S/HO                        | 1          | DC/DC CONVERTER, 5W, +15V OUTPUT         | Crane           | 50821     |
| 5962L9309402HXC                         | SMSA2815S/HL                        | 1          | DC/DC CONVERTER, 5W, +15V OUTPUT         | Crane           | 50821     |
| 5962-9313401HXC                         | CJSE298                             | 1          | VOLT. REGULATOR                          | Solitron        | 21845     |
| 5962-9313402HXC                         | CJSE299                             | 1          | VOLT. REGULATOR                          | Solitron        | 21845     |
| 5962-9313403HXC                         | CJSE300                             | 1          | VOLT. REGULATOR                          | Solitron        | 21845     |
| 5962-9313404HXC                         | CJSE301                             | 1          | VOLT. REGULATOR                          | Solitron        | 21845     |
| 5962-9313405HXC                         | CJSE321                             | 1          | VOLT. REGULATOR                          | Solitron        | 21845     |
| 5962-9313406HXC                         | CJSE322                             | 1          | VOLT. REGULATOR                          | Solitron        | 21845     |
| 5962-9314001HZA                         | 53111-1Z                            | 1          | OPTOCOUPLER, SINGE-CHANNEL, POWER MOSFET | Micropac        | 31757     |
| 5962-9314001HZC                         | HSSR-7111#600                       | 2          | OPTOCOUPLER, SINGE-CHANNEL, POWER MOSFET | Avago           | 50434     |
| 5962-9314001HZA                         | HSSR-7111#600                       | 2          | OPTOCOUPLER, SINGE-CHANNEL, POWER MOSFET | Avago           | 50434     |
| 5962-9314001HXA                         | HSSR-7111#300                       | 2          | OPTOCOUPLER, SINGE-CHANNEL, POWER MOSFET | Avago           | 50434     |
| 5962-9314001HPA                         | HSSR-7111#200                       | 2          | OPTOCOUPLER, SINGE-CHANNEL, POWER MOSFET | Avago           | 50434     |
| 5962-9314001HYC                         | HSSR-7111#100                       | 2          | OPTOCOUPLER, SINGE-CHANNEL, POWER MOSFET | Avago           | 50434     |
| 5962-9314001HYA                         | HSSR-7111#100                       | 2          | OPTOCOUPLER, SINGE-CHANNEL, POWER MOSFET | Avago           | 50434     |
| 5962-9314001HPC                         | HSSR-7111                           | 2          | OPTOCOUPLER, SINGE-CHANNEL, POWER MOSFET | Avago           | 50434     |
| 5962-9314001HXC                         | 53111-1X                            | 1          | OPTOCOUPLER, SINGE-CHANNEL, POWER MOSFET | Micropac        | 31757     |
| 5962-9314001HZC                         | 53111-1Z                            | 1          | OPTOCOUPLER, SINGE-CHANNEL, POWER MOSFET | Micropac        | 31757     |
| 5962-9314001EXC                         | 53111-1X                            | 1          | OPTOCOUPLER, SINGE-CHANNEL, POWER MOSFET | Micropac        | 31757     |
| 5962-9314001EXA                         | 53111-1X                            | 1          | OPTOCOUPLER, SINGE-CHANNEL, POWER MOSFET | Micropac        | 31757     |
| 5962-9314001HPC                         | 53111-1P                            | 1          | OPTOCOUPLER, SINGE-CHANNEL, POWER MOSFET | Micropac        | 31757     |
| 5962-9314001HPA                         | 53111-1P                            | 1          | OPTOCOUPLER, SINGE-CHANNEL, POWER MOSFET | Micropac        | 31757     |
| 5962-9314001EPC                         | 53111-1P                            | 1          | OPTOCOUPLER, SINGE-CHANNEL, POWER MOSFET | Micropac        | 31757     |
| 5962-9314001HXA                         | 53111-1X                            | 1          | OPTOCOUPLER, SINGE-CHANNEL, POWER MOSFET | Micropac        | 31757     |
| 5962-9314001HYC                         | 53111-1Y                            | 1          | OPTOCOUPLER, SINGE-CHANNEL, POWER MOSFET | Micropac        | 31757     |
| 5962-9314001EPA                         | HSSR-711E-200                       | 2          | OPTOCOUPLER, SINGE-CHANNEL, POWER MOSFET | Avago           | 50434     |
| 5962-9314001EPC                         | HSSR-711E                           | 2          | OPTOCOUPLER, SINGE-CHANNEL, POWER MOSFET | Avago           | 50434     |
| 5962-9314001HYA                         | 53111-1Y                            | 1          | OPTOCOUPLER, SINGE-CHANNEL, POWER MOSFET | Micropac        | 31757     |
| 5962-9314001EPA                         | 53111-1P                            | 1          | OPTOCOUPLER, SINGE-CHANNEL, POWER MOSFET | Micropac        | 31757     |
| 5962-9314002HZA                         | 53111-2Z                            | 1          | OPTOCOUPLER, SINGE-CHANNEL, POWER MOSFET | Micropac        | 31757     |
| 5962-9314002HZC                         | 53111-2Z                            | 1          | OPTOCOUPLER, SINGE-CHANNEL, POWER MOSFET | Micropac        | 31757     |
| 5962-9314002HYC                         | 53111-2Y                            | 1          | OPTOCOUPLER, SINGE-CHANNEL, POWER MOSFET | Micropac        | 31757     |
| 5962-9314002HXC                         | 53111-2X                            | 1          | OPTOCOUPLER, SINGE-CHANNEL, POWER MOSFET | Micropac        | 31757     |
| 5962-9314002EPC                         | 53111-2P                            | 1          | OPTOCOUPLER, SINGE-CHANNEL, POWER MOSFET | Micropac        | 31757     |
| 5962-9314002HYA                         | 53111-2Y                            | 1          | OPTOCOUPLER, SINGE-CHANNEL, POWER MOSFET | Micropac        | 31757     |
| 5962-9314002HXA                         | 53111-2X                            | 1          | OPTOCOUPLER, SINGE-CHANNEL, POWER MOSFET | Micropac        | 31757     |
| 5962-9314002EXC                         | 53111-2X                            | 1          | OPTOCOUPLER, SINGE-CHANNEL, POWER MOSFET | Micropac        | 31757     |
| 5962-9314002HPA                         | 53111-2P                            | 1          | OPTOCOUPLER, SINGE-CHANNEL, POWER MOSFET | Micropac        | 31757     |
| 5962-9314002HZA                         | HSSR-7112-600                       | 2          | OPTOCOUPLER, SINGE-CHANNEL, POWER MOSFET | Avago           | 50434     |
| 5962-9314002EPA                         | 53111-2P                            | 1          | OPTOCOUPLER, SINGE-CHANNEL, POWER MOSFET | Micropac        | 31757     |
| 5962-9314002HPC                         | 53111-2P                            | 1          | OPTOCOUPLER, SINGE-CHANNEL, POWER MOSFET | Micropac        | 31757     |
| 5962-9314002HPC                         | HSSR-7112                           | 2          | OPTOCOUPLER, SINGE-CHANNEL, POWER MOSFET | Avago           | 50434     |
| 5962-9314002HZC                         | HSSR-7112-600                       | 2          | OPTOCOUPLER, SINGE-CHANNEL, POWER MOSFET | Avago           | 50434     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                             | Approved Source | CAGE Code |
| 5962-9314002HYA                         | HSSR-7112-100                       | 2          | OPTOCOUPLER, SINGE-CHANNEL, POWER MOSFET             | Avago           | 50434     |
| 5962-9314002HYC                         | HSSR-7112-100                       | 2          | OPTOCOUPLER, SINGE-CHANNEL, POWER MOSFET             | Avago           | 50434     |
| 5962-9314002HPA                         | HSSR-7112-200                       | 2          | OPTOCOUPLER, SINGE-CHANNEL, POWER MOSFET             | Avago           | 50434     |
| 5962-9314002HXA                         | HSSR-7112-300                       | 2          | OPTOCOUPLER, SINGE-CHANNEL, POWER MOSFET             | Avago           | 50434     |
| 5962-9314002EXA                         | 53111-2X                            | 1          | OPTOCOUPLER, SINGE-CHANNEL, POWER MOSFET             | Micropac        | 31757     |
| 5962-9314003HXC                         | 53111-3X                            | 1          | OPTOCOUPLER, SINGE-CHANNEL, POWER MOSFET             | Micropac        | 31757     |
| 5962-9314003HXA                         | 53111-3X                            | 1          | OPTOCOUPLER, SINGE-CHANNEL, POWER MOSFET             | Micropac        | 31757     |
| 5962-9314003HPC                         | 53111-3P                            | 1          | OPTOCOUPLER, SINGE-CHANNEL, POWER MOSFET             | Micropac        | 31757     |
| 5962-9314003HPA                         | 53111-3P                            | 1          | OPTOCOUPLER, SINGE-CHANNEL, POWER MOSFET             | Micropac        | 31757     |
| 5962-9315401HXA                         | WE-128K8-200CQ                      | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 200 NS ACCESS TIME | White           | 54230     |
| 5962-9315401HXC                         | WE-128K8-200CQ                      | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 200 NS ACCESS TIME | White           | 54230     |
| 5962-9315402HXA                         | WE-128K8-150CQ                      | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 150 NS ACCESS TIME | White           | 54230     |
| 5962-9315402HXC                         | WE-128K8-150CQ                      | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 150 NS ACCESS TIME | White           | 54230     |
| 5962-9315501HYA                         | WE-256K8-200CQ                      | 1          | PROM, ELECTR. ERASABLE, 256K X 8, 200 NS ACCESS TIME | White           | 54230     |
| 5962-9315501HYC                         | WE-256K8-200CQ                      | 1          | PROM, ELECTR. ERASABLE, 256K X 8, 200 NS ACCESS TIME | White           | 54230     |
| 5962-9315502HYC                         | WE-256K8-150CQ                      | 1          | PROM, ELECTR. ERASABLE, 256K X 8, 150 NS ACCESS TIME | White           | 54230     |
| 5962-9315502HYA                         | WE-256K8-150CQ                      | 1          | PROM, ELECTR. ERASABLE, 256K X 8, 150 NS ACCESS TIME | White           | 54230     |
| 5962-9315601HYA                         | WS-128K8-120CQ                      | 1          | STATIC RAM, 128K X 8, 120 NS ACCESS TIME             | White           | 54230     |
| 5962-9315601HYC                         | WS-128K8-120CQ                      | 1          | STATIC RAM, 128K X 8, 120 NS ACCESS TIME             | White           | 54230     |
| 5962-9315602HYC                         | WS-128K8-100CQ                      | 1          | STATIC RAM, 128K X 8, 100 NS ACCESS TIME             | White           | 54230     |
| 5962-9315602HYA                         | WS-128K8-100CQ                      | 1          | STATIC RAM, 128K X 8, 100 NS ACCESS TIME             | White           | 54230     |
| 5962-9315603HYC                         | WS-128K8-85CQ                       | 1          | STATIC RAM, 128K X 8, 85 NS ACCESS TIME              | White           | 54230     |
| 5962-9315603HYA                         | WS-128K8-85CQ                       | 1          | STATIC RAM, 128K X 8, 85 NS ACCESS TIME              | White           | 54230     |
| 5962-9315604HYA                         | WS-128K8-70CQ                       | 1          | STATIC RAM, 128K X 8, 70 NS ACCESS TIME              | White           | 54230     |
| 5962-9315604HYC                         | WS-128K8-70CQ                       | 1          | STATIC RAM, 128K X 8, 70 NS ACCESS TIME              | White           | 54230     |
| 5962-9315605HYA                         | WS-128K8-55CQ                       | 1          | STATIC RAM, 128K X 8, 55 NS ACCESS TIME              | White           | 54230     |
| 5962-9315605HYC                         | WS-128K8-55CQ                       | 1          | STATIC RAM, 128K X 8, 55 NS ACCESS TIME              | White           | 54230     |
| 5962-9315606HYC                         | WS-128K8-45CQ                       | 1          | STATIC RAM, 128K X 8, 45 NS ACCESS TIME              | White           | 54230     |
| 5962-9315606HYA                         | WS-128K8-45CQ                       | 1          | STATIC RAM, 128K X 8, 45 NS ACCESS TIME              | White           | 54230     |
| 5962-9315607HYA                         | WS-128K8-35CQ                       | 1          | STATIC RAM, 128K X 8, 35 NS ACCESS TIME              | White           | 54230     |
| 5962-9315607HYC                         | WS-128K8-35CQ                       | 1          | STATIC RAM, 128K X 8, 35 NS ACCESS TIME              | White           | 54230     |
| 5962-9315608HYC                         | WS-128K8-25CQ                       | 1          | STATIC RAM, 128K X 8, 25 NS ACCESS TIME              | White           | 54230     |
| 5962-9315608HYA                         | WS-128K8-25CQ                       | 1          | STATIC RAM, 128K X 8, 25 NS ACCESS TIME              | White           | 54230     |
| 5962-9315701HYA                         | WS256K8-120CQA                      | 1          | STATIC RAM, 256K X 8, 120 NS ACCESS TIME             | White           | 54230     |
| 5962-9315701HXA                         | WS256K8-120CQA                      | 1          | STATIC RAM, 256K X 8, 120 NS ACCESS TIME             | White           | 54230     |
| 5962-9315701HYC                         | WS256K8-120CQ                       | 1          | STATIC RAM, 256K X 8, 120 NS ACCESS TIME             | White           | 54230     |
| 5962-9315701HXC                         | WS256K8-120CQ                       | 1          | STATIC RAM, 256K X 8, 120 NS ACCESS TIME             | White           | 54230     |
| 5962-9315702HXC                         | WS256K8-100CQ                       | 1          | STATIC RAM, 256K X 8, 100 NS ACCESS TIME             | White           | 54230     |
| 5962-9315702HYA                         | WS256K8-100CQA                      | 1          | STATIC RAM, 256K X 8, 100 NS ACCESS TIME             | White           | 54230     |
| 5962-9315702HXA                         | WS256K8-100CQA                      | 1          | STATIC RAM, 256K X 8, 100 NS ACCESS TIME             | White           | 54230     |
| 5962-9315702HYC                         | WS256K8-100CQ                       | 1          | STATIC RAM, 256K X 8, 100 NS ACCESS TIME             | White           | 54230     |
| 5962-9315703HYA                         | WS256K8-85CQA                       | 1          | STATIC RAM, 256K X 8, 85 NS ACCESS TIME              | White           | 54230     |
| 5962-9315703HXA                         | WS256K8-85CQA                       | 1          | STATIC RAM, 256K X 8, 85 NS ACCESS TIME              | White           | 54230     |
| 5962-9315703HYC                         | WS256K8-85CQ                        | 1          | STATIC RAM, 256K X 8, 85 NS ACCESS TIME              | White           | 54230     |
| 5962-9315703HXC                         | WS256K8-85CQ                        | 1          | STATIC RAM, 256K X 8, 85 NS ACCESS TIME              | White           | 54230     |
| 5962-9315704HXC                         | WS256K8-70CQ                        | 1          | STATIC RAM, 256K X 8, 70 NS ACCESS TIME              | White           | 54230     |
| 5962-9315704HYA                         | WS256K8-70CQA                       | 1          | STATIC RAM, 256K X 8, 70 NS ACCESS TIME              | White           | 54230     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |   |                 |           |
|---|-------------------------------------|------------|---|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                      | Approved Source | CAGE Code |
| 5962-9315704HXA                         | WS256K8-70CQA                       | 1          | STATIC RAM, 256K X 8, 70 NS ACCESS TIME       | White           | 54230     |
| 5962-9315704HYC                         | WS256K8-70CQ                        | 1          | STATIC RAM, 256K X 8, 70 NS ACCESS TIME       | White           | 54230     |
| 5962-9315705HXA                         | WS256K8-55CQA                       | 1          | STATIC RAM, 256K X 8, 55 NS ACCESS TIME       | White           | 54230     |
| 5962-9315705HXC                         | WS256K8-55CQ                        | 1          | STATIC RAM, 256K X 8, 55 NS ACCESS TIME       | White           | 54230     |
| 5962-9315705HYC                         | WS256K8-55CQ                        | 1          | STATIC RAM, 256K X 8, 55 NS ACCESS TIME       | White           | 54230     |
| 5962-9315705HYA                         | WS256K8-55CQA                       | 1          | STATIC RAM, 256K X 8, 55 NS ACCESS TIME       | White           | 54230     |
| 5962-9315706HYC                         | WS256K8-45CQ                        | 1          | STATIC RAM, 256K X 8, 45 NS ACCESS TIME       | White           | 54230     |
| 5962-9315706HXC                         | WS256K8-45CQ                        | 1          | STATIC RAM, 256K X 8, 45 NS ACCESS TIME       | White           | 54230     |
| 5962-9315706HXA                         | WS256K8-45CQA                       | 1          | STATIC RAM, 256K X 8, 45 NS ACCESS TIME       | White           | 54230     |
| 5962-9315706HYA                         | WS256K8-45CQA                       | 1          | STATIC RAM, 256K X 8, 45 NS ACCESS TIME       | White           | 54230     |
| 5962-9315707HYA                         | WS256K8-35CQA                       | 1          | STATIC RAM, 256K X 8, 35 NS ACCESS TIME       | White           | 54230     |
| 5962-9315707HXA                         | WS256K8-35CQA                       | 1          | STATIC RAM, 256K X 8, 35 NS ACCESS TIME       | White           | 54230     |
| 5962-9315707HXC                         | WS256K8-35CQ                        | 1          | STATIC RAM, 256K X 8, 35 NS ACCESS TIME       | White           | 54230     |
| 5962-9315707HYC                         | WS256K8-35CQ                        | 1          | STATIC RAM, 256K X 8, 35 NS ACCESS TIME       | White           | 54230     |
| 5962-9315708HYA                         | WS256K8-25CQA                       | 1          | STATIC RAM, 256K X 8, 25 NS ACCESS TIME       | White           | 54230     |
| 5962-9315708HXA                         | WS256K8-25CQA                       | 1          | STATIC RAM, 256K X 8, 25 NS ACCESS TIME       | White           | 54230     |
| 5962-9315708HYC                         | WS256K8-25CQ                        | 1          | STATIC RAM, 256K X 8, 25 NS ACCESS TIME       | White           | 54230     |
| 5962-9315708HXC                         | WS256K8-25CQ                        | 1          | STATIC RAM, 256K X 8, 25 NS ACCESS TIME       | White           | 54230     |
| 5962-9315709HYA                         | WS256K8-20CQA                       | 1          | STATIC RAM, 256K X 8, 20 NS ACCESS TIME       | White           | 54230     |
| 5962-9315709HXA                         | WS256K8-20CQA                       | 1          | STATIC RAM, 256K X 8, 20 NS ACCESS TIME       | White           | 54230     |
| 5962-9315709HYC                         | WS256K8-20CQ                        | 1          | STATIC RAM, 256K X 8, 20 NS ACCESS TIME       | White           | 54230     |
| 5962-9315709HXC                         | WS256K8-20CQ                        | 1          | STATIC RAM, 256K X 8, 20 NS ACCESS TIME       | White           | 54230     |
| 5962-9315801HZA                         | ATR2812TF/CH                        | 1          | DC/DC CONVERTER, 30W, +5V, ±12V TRIPLE OUTPUT | IR Santa Clara  | 52467     |
| 5962-9315801HXA                         | ATR2812T/CH                         | 1          | DC/DC CONVERTER, 30W, +5V, ±12V TRIPLE OUTPUT | IR Santa Clara  | 52467     |
| 5962-9316101HUC                         | MFL2815SV/883                       | 1          | DC/DC CONVERTER, 65W, 15V OUTPUT              | Crane           | 50821     |
| 5962-9316101HUA                         | MFL2815SV/883                       | 1          | DC/DC CONVERTER, 65W, 15V OUTPUT              | Crane           | 50821     |
| 5962-9316101HYA                         | MFL2815SY/883                       | 1          | DC/DC CONVERTER, 65W, 15V OUTPUT              | Crane           | 50821     |
| 5962-9316101HTC                         | MFL2815SW/883                       | 1          | DC/DC CONVERTER, 65W, 15V OUTPUT              | Crane           | 50821     |
| 5962-9316101HYC                         | MFL2815SY/883                       | 1          | DC/DC CONVERTER, 65W, 15V OUTPUT              | Crane           | 50821     |
| 5962-9316101HXA                         | MFL2815S/883                        | 1          | DC/DC CONVERTER, 65W, 15V OUTPUT              | Crane           | 50821     |
| 5962-9316101HZC                         | MFL2815SZ/883                       | 1          | DC/DC CONVERTER, 65W, 15V OUTPUT              | Crane           | 50821     |
| 5962-9316101HTA                         | MFL2815SW/883                       | 1          | DC/DC CONVERTER, 65W, 15V OUTPUT              | Crane           | 50821     |
| 5962-9316101HXC                         | MFL2815S/883                        | 1          | DC/DC CONVERTER, 65W, 15V OUTPUT              | Crane           | 50821     |
| 5962-9316101HZA                         | MFL2815SZ/883                       | 1          | DC/DC CONVERTER, 65W, 15V OUTPUT              | Crane           | 50821     |
| 5962P9316102KYA                         | SMFL2815SY/KP                       | 1          | DC/DC CONVERTER, 65W, 15V OUTPUT              | Crane           | 50821     |
| 5962R9316102HZA                         | SMFL2815SZ/HR                       | 1          | DC/DC CONVERTER, 65W, 15V OUTPUT              | Crane           | 50821     |
| 5962-9316102HYC                         | SMFL2815SY/HO                       | 1          | DC/DC CONVERTER, 65W, 15V OUTPUT              | Crane           | 50821     |
| 5962P9316102HYC                         | SMFL2815SY/HP                       | 1          | DC/DC CONVERTER, 65W, 15V OUTPUT              | Crane           | 50821     |
| 5962R9316102HYA                         | SMFL2815SY/HR                       | 1          | DC/DC CONVERTER, 65W, 15V OUTPUT              | Crane           | 50821     |
| 5962R9316102HYC                         | SMFL2815SY/HR                       | 1          | DC/DC CONVERTER, 65W, 15V OUTPUT              | Crane           | 50821     |
| 5962P9316102KYC                         | SMFL2815SY/KP                       | 1          | DC/DC CONVERTER, 65W, 15V OUTPUT              | Crane           | 50821     |
| 5962R9316102KYA                         | SMFL2815SY/KR                       | 1          | DC/DC CONVERTER, 65W, 15V OUTPUT              | Crane           | 50821     |
| 5962R9316102KYC                         | SMFL2815SY/KR                       | 1          | DC/DC CONVERTER, 65W, 15V OUTPUT              | Crane           | 50821     |
| 5962-9316102HZA                         | SMFL2815SZ/HO                       | 1          | DC/DC CONVERTER, 65W, 15V OUTPUT              | Crane           | 50821     |
| 5962-9316102HZC                         | SMFL2815SZ/HO                       | 1          | DC/DC CONVERTER, 65W, 15V OUTPUT              | Crane           | 50821     |
| 5962R9316102KZC                         | SMFL2815SZ/KR                       | 1          | DC/DC CONVERTER, 65W, 15V OUTPUT              | Crane           | 50821     |
| 5962P9316102HZC                         | SMFL2815SZ/HP                       | 1          | DC/DC CONVERTER, 65W, 15V OUTPUT              | Crane           | 50821     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |                                  |                 |           |
|---|-------------------------------------|------------|----------------------------------|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description         | Approved Source | CAGE Code |
| 5962R9316102HZC                         | SMFL2815SZ/HR                       | 1          | DC/DC CONVERTER, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962P9316102KZA                         | SMFL2815SZ/KP                       | 1          | DC/DC CONVERTER, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962P9316102KZC                         | SMFL2815SZ/KP                       | 1          | DC/DC CONVERTER, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962R9316102KZA                         | SMFL2815SZ/KR                       | 1          | DC/DC CONVERTER, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962P9316102HUA                         | SMFL2815SV/HP                       | 1          | DC/DC CONVERTER, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962P9316102HZA                         | SMFL2815SV/HP                       | 1          | DC/DC CONVERTER, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962R9316102HUC                         | SMFL2815SV/HR                       | 1          | DC/DC CONVERTER, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962P9316102HYA                         | SMFL2815SY/HP                       | 1          | DC/DC CONVERTER, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962-9316102HXA                         | SMFL2815S/HO                        | 1          | DC/DC CONVERTER, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962-9316102HXC                         | SMFL2815S/HO                        | 1          | DC/DC CONVERTER, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962P9316102HXA                         | SMFL2815S/HP                        | 1          | DC/DC CONVERTER, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962P9316102HXC                         | SMFL2815S/HP                        | 1          | DC/DC CONVERTER, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962R9316102HXA                         | SMFL2815S/HR                        | 1          | DC/DC CONVERTER, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962R9316102HXC                         | SMFL2815S/HR                        | 1          | DC/DC CONVERTER, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962P9316102KXA                         | SMFL2815S/KP                        | 1          | DC/DC CONVERTER, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962P9316102KXC                         | SMFL2815S/KP                        | 1          | DC/DC CONVERTER, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962R9316102KXA                         | SMFL2815S/KR                        | 1          | DC/DC CONVERTER, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962R9316102KXC                         | SMFL2815S/KR                        | 1          | DC/DC CONVERTER, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962-9316102HUA                         | SMFL2815SV/HO                       | 1          | DC/DC CONVERTER, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962R9316102HUA                         | SMFL2815SV/HR                       | 1          | DC/DC CONVERTER, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962P9316102HUC                         | SMFL2815SV/HP                       | 1          | DC/DC CONVERTER, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962R9316102KTC                         | SMFL2815SW/KR                       | 1          | DC/DC CONVERTER, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962P9316102KUA                         | SMFL2815SV/KP                       | 1          | DC/DC CONVERTER, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962P9316102KUC                         | SMFL2815SV/KP                       | 1          | DC/DC CONVERTER, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962R9316102KUA                         | SMFL2815SV/KR                       | 1          | DC/DC CONVERTER, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962R9316102KUC                         | SMFL2815SV/KR                       | 1          | DC/DC CONVERTER, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962-9316102HTA                         | SMFL2815SW/HO                       | 1          | DC/DC CONVERTER, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962-9316102HTC                         | SMFL2815SW/HO                       | 1          | DC/DC CONVERTER, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962P9316102HTA                         | SMFL2815SW/HP                       | 1          | DC/DC CONVERTER, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962P9316102HTC                         | SMFL2815SW/HP                       | 1          | DC/DC CONVERTER, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962R9316102HTA                         | SMFL2815SW/HR                       | 1          | DC/DC CONVERTER, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962R9316102HTC                         | SMFL2815SW/HR                       | 1          | DC/DC CONVERTER, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962P9316102KTA                         | SMFL2815SW/KP                       | 1          | DC/DC CONVERTER, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962P9316102KTC                         | SMFL2815SW/KP                       | 1          | DC/DC CONVERTER, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962R9316102KTA                         | SMFL2815SW/KR                       | 1          | DC/DC CONVERTER, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962-9316102HUC                         | SMFL2815SV/HO                       | 1          | DC/DC CONVERTER, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962-9316102HYA                         | SMFL2815SY/HO                       | 1          | DC/DC CONVERTER, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962-9316201HZC                         | MFL2812SZ/883                       | 1          | DC/DC CONVERTER, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962-9316201HXA                         | MFL2812S/883                        | 1          | DC/DC CONVERTER, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962-9316201HXC                         | MFL2812S/883                        | 1          | DC/DC CONVERTER, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962-9316201HUA                         | MFL2812SV/883                       | 1          | DC/DC CONVERTER, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962-9316201HZA                         | MFL2812SZ/883                       | 1          | DC/DC CONVERTER, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962-9316201HYC                         | MFL2812SY/883                       | 1          | DC/DC CONVERTER, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962-9316201HYA                         | MFL2812SY/883                       | 1          | DC/DC CONVERTER, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962-9316201HTC                         | MFL2812SW/883                       | 1          | DC/DC CONVERTER, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962-9316201HTA                         | MFL2812SW/883                       | 1          | DC/DC CONVERTER, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962-9316201HUC                         | MFL2812SV/883                       | 1          | DC/DC CONVERTER, 60W, 12V OUTPUT | Crane           | 50821     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |                                  |                 |           |
|---|-------------------------------------|------------|----------------------------------|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description         | Approved Source | CAGE Code |
| 5962R9316202HYC                         | SMFL2812SY/HR                       | 1          | DC/DC CONVERTER, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962R9316202KTC                         | SMFL2812SW/KR                       | 1          | DC/DC CONVERTER, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962-9316202HYA                         | SMFL2812SY/HO                       | 1          | DC/DC CONVERTER, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962-9316202HYC                         | SMFL2812SY/HO                       | 1          | DC/DC CONVERTER, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962R9316202HYA                         | SMFL2812SY/HR                       | 1          | DC/DC CONVERTER, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962R9316202KTA                         | SMFL2812SW/KR                       | 1          | DC/DC CONVERTER, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962R9316202KYA                         | SMFL2812SY/KR                       | 1          | DC/DC CONVERTER, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962-9316202HZA                         | SMFL2812SZ/HO                       | 1          | DC/DC CONVERTER, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962R9316202HTC                         | SMFL2812SW/HR                       | 1          | DC/DC CONVERTER, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962R9316202HZC                         | SMFL2812SZ/HR                       | 1          | DC/DC CONVERTER, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962R9316202HUC                         | SMFL2812SV/HR                       | 1          | DC/DC CONVERTER, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962R9316202KZA                         | SMFL2812SZ/KR                       | 1          | DC/DC CONVERTER, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962R9316202HZA                         | SMFL2812SZ/HR                       | 1          | DC/DC CONVERTER, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962-9316202HUC                         | SMFL2812SV/HO                       | 1          | DC/DC CONVERTER, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962-9316202HXA                         | SMFL2812S/HO                        | 1          | DC/DC CONVERTER, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962-9316202HXC                         | SMFL2812S/HO                        | 1          | DC/DC CONVERTER, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962R9316202HXA                         | SMFL2812S/HR                        | 1          | DC/DC CONVERTER, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962R9316202HXC                         | SMFL2812S/HR                        | 1          | DC/DC CONVERTER, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962R9316202KXA                         | SMFL2812S/KR                        | 1          | DC/DC CONVERTER, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962R9316202KUC                         | SMFL2812SV/KR                       | 1          | DC/DC CONVERTER, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962-9316202HUA                         | SMFL2812SV/HO                       | 1          | DC/DC CONVERTER, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962R9316202HTA                         | SMFL2812SW/HR                       | 1          | DC/DC CONVERTER, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962R9316202HUA                         | SMFL2812SV/HR                       | 1          | DC/DC CONVERTER, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962-9316202HZC                         | SMFL2812SZ/HO                       | 1          | DC/DC CONVERTER, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962R9316202KUA                         | SMFL2812SV/KR                       | 1          | DC/DC CONVERTER, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962R9316202KZC                         | SMFL2812SZ/KR                       | 1          | DC/DC CONVERTER, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962-9316202HTA                         | SMFL2812SW/HO                       | 1          | DC/DC CONVERTER, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962-9316202HTC                         | SMFL2812SW/HO                       | 1          | DC/DC CONVERTER, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962R9316202KXC                         | SMFL2812S/KR                        | 1          | DC/DC CONVERTER, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962R9316202KYC                         | SMFL2812SY/KR                       | 1          | DC/DC CONVERTER, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962-9316301HXC                         | MFL2805S/883                        | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT  | Crane           | 50821     |
| 5962-9316301HXA                         | MFL2805S/883                        | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT  | Crane           | 50821     |
| 5962-9316301HUA                         | MFL2805SV/883                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT  | Crane           | 50821     |
| 5962-9316301HUC                         | MFL2805SV/883                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT  | Crane           | 50821     |
| 5962-9316301HTA                         | MFL2805SW/883                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT  | Crane           | 50821     |
| 5962-9316301HTC                         | MFL2805SW/883                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT  | Crane           | 50821     |
| 5962-9316301HYA                         | MFL2805SY/883                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT  | Crane           | 50821     |
| 5962-9316301HYC                         | MFL2805SY/883                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT  | Crane           | 50821     |
| 5962-9316301HZA                         | MFL2805SZ/883                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT  | Crane           | 50821     |
| 5962-9316301HZC                         | MFL2805SZ/883                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT  | Crane           | 50821     |
| 5962R9316302KUC                         | SMFL2805SV/KR                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT  | Crane           | 50821     |
| 5962L9316302KTC                         | SMFL2805SW/KL                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT  | Crane           | 50821     |
| 5962-9316302HTC                         | SMFL2805SW/HO                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT  | Crane           | 50821     |
| 5962P9316302HTA                         | SMFL2805SW/HP                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT  | Crane           | 50821     |
| 5962P9316302HTC                         | SMFL2805SW/HP                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT  | Crane           | 50821     |
| 5962R9316302HTA                         | SMFL2805SW/HR                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT  | Crane           | 50821     |
| 5962R9316302HTC                         | SMFL2805SW/HR                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT  | Crane           | 50821     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |                                 |                 |           |
|---|-------------------------------------|------------|---------------------------------|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description        | Approved Source | CAGE Code |
| 5962L9316302KTA                         | SMFL2805SW/KL                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962-9316302HTA                         | SMFL2805SW/HO                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962P9316302KTA                         | SMFL2805SW/KP                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962P9316302KTC                         | SMFL2805SW/KP                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962R9316302KTA                         | SMFL2805SW/KR                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962L9316302HTC                         | SMFL2805SW/HL                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962L9316302HYA                         | SMFL2805SY/HL                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962P9316302HXC                         | SMFL2805S/HP                        | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962L9316302HYC                         | SMFL2805SY/HL                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962-9316302HYA                         | SMFL2805SY/HO                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962P9316302HYA                         | SMFL2805SY/HP                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962R9316302KTC                         | SMFL2805SW/KR                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962L9316302KXC                         | SMFL2805S/KL                        | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962L9316302HTA                         | SMFL2805SW/HL                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962-9316302HUC                         | SMFL2805SV/HO                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962-9316302HUA                         | SMFL2805SV/HO                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962L9316302HUC                         | SMFL2805SV/HL                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962L9316302HUA                         | SMFL2805SV/HL                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962R9316302KXC                         | SMFL2805S/KR                        | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962R9316302KXA                         | SMFL2805S/KR                        | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962-9316302HXC                         | SMFL2805S/HO                        | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962P9316302KXA                         | SMFL2805S/KP                        | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962R9316302KZC                         | SMFL2805SZ/KR                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962L9316302KXA                         | SMFL2805S/KL                        | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962R9316302HXC                         | SMFL2805S/HR                        | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962R9316302HXA                         | SMFL2805S/HR                        | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962P9316302HYC                         | SMFL2805SY/HP                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962P9316302HXA                         | SMFL2805S/HP                        | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962L9316302HXA                         | SMFL2805S/HL                        | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962-9316302HXA                         | SMFL2805S/HO                        | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962L9316302HXC                         | SMFL2805S/HL                        | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962P9316302KXC                         | SMFL2805S/KP                        | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962R9316302KUA                         | SMFL2805SV/KR                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962L9316302KZA                         | SMFL2805SZ/KL                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962L9316302KZC                         | SMFL2805SZ/KL                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962P9316302KZA                         | SMFL2805SZ/KP                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962R9316302KZA                         | SMFL2805SZ/KR                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962P9316302HUC                         | SMFL2805SV/HP                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962R9316302HZC                         | SMFL2805SZ/HR                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962-9316302HYC                         | SMFL2805SY/HO                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962P9316302KZC                         | SMFL2805SZ/KP                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962P9316302KUC                         | SMFL2805SV/KP                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962P9316302KUA                         | SMFL2805SV/KP                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962L9316302KUC                         | SMFL2805SV/KL                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962L9316302KUA                         | SMFL2805SV/KL                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962R9316302HUC                         | SMFL2805SV/HR                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962R9316302HUA                         | SMFL2805SV/HR                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |                                   |                 |           |
|---|-------------------------------------|------------|-----------------------------------|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description          | Approved Source | CAGE Code |
| 5962R9316302HYA                         | SMFL2805SY/HR                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT   | Crane           | 50821     |
| 5962L9316302HZC                         | SMFL2805SZ/HL                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT   | Crane           | 50821     |
| 5962L9316302KYC                         | SMFL2805SY/KL                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT   | Crane           | 50821     |
| 5962P9316302KYA                         | SMFL2805SY/KP                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT   | Crane           | 50821     |
| 5962P9316302KYC                         | SMFL2805SY/KP                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT   | Crane           | 50821     |
| 5962R9316302KYA                         | SMFL2805SY/KR                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT   | Crane           | 50821     |
| 5962R9316302HYC                         | SMFL2805SY/HR                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT   | Crane           | 50821     |
| 5962R9316302HZA                         | SMFL2805SZ/HR                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT   | Crane           | 50821     |
| 5962R9316302KYC                         | SMFL2805SY/KR                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT   | Crane           | 50821     |
| 5962L9316302KYA                         | SMFL2805SY/KL                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT   | Crane           | 50821     |
| 5962L9316302HZA                         | SMFL2805SZ/HL                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT   | Crane           | 50821     |
| 5962-9316302HZA                         | SMFL2805SZ/HO                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT   | Crane           | 50821     |
| 5962-9316302HZC                         | SMFL2805SZ/HO                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT   | Crane           | 50821     |
| 5962P9316302HZA                         | SMFL2805SZ/HP                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT   | Crane           | 50821     |
| 5962P9316302HUA                         | SMFL2805SV/HP                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT   | Crane           | 50821     |
| 5962P9316302HZC                         | SMFL2805SZ/HP                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT   | Crane           | 50821     |
| 5962-9318701H5C                         | WS128K32-120H1Q                     | 1          | STATIC RAM, 128K X 32-BIT, 120 NS | White           | 54230     |
| 5962-9318701H5A                         | WS128K32-120H1Q                     | 1          | STATIC RAM, 128K X 32-BIT, 120 NS | White           | 54230     |
| 5962-9318701H4C                         | WS128K32N-120H1Q                    | 1          | STATIC RAM, 128K X 32-BIT, 120 NS | White           | 54230     |
| 5962-9318702H5C                         | WS128K32-100H1Q                     | 1          | STATIC RAM, 128K X 32-BIT, 100 NS | White           | 54230     |
| 5962-9318702H4C                         | WS128K32N-100H1Q                    | 1          | STATIC RAM, 128K X 32-BIT, 100 NS | White           | 54230     |
| 5962-9318702H5A                         | WS128K32-100H1Q                     | 1          | STATIC RAM, 128K X 32-BIT, 100 NS | White           | 54230     |
| 5962-9318702H4A                         | WS128K32N-100H1Q                    | 1          | STATIC RAM, 128K X 32-BIT, 100 NS | White           | 54230     |
| 5962-9318703H5A                         | WS128K32-85H1Q                      | 1          | STATIC RAM, 128K X 32-BIT, 85 NS  | White           | 54230     |
| 5962-9318703H5C                         | WS128K32-85H1Q                      | 1          | STATIC RAM, 128K X 32-BIT, 85 NS  | White           | 54230     |
| 5962-9318703H4A                         | WS128K32N-85H1Q                     | 1          | STATIC RAM, 128K X 32-BIT, 85 NS  | White           | 54230     |
| 5962-9318703H4C                         | WS128K32N-85H1Q                     | 1          | STATIC RAM, 128K X 32-BIT, 85 NS  | White           | 54230     |
| 5962-9318704H4A                         | WS128K32N-70H1Q                     | 1          | STATIC RAM, 128K X 32-BIT, 70 NS  | White           | 54230     |
| 5962-9318704H4C                         | WS128K32N-70H1Q                     | 1          | STATIC RAM, 128K X 32-BIT, 70 NS  | White           | 54230     |
| 5962-9318704H5A                         | WS128K32-70H1Q                      | 1          | STATIC RAM, 128K X 32-BIT, 70 NS  | White           | 54230     |
| 5962-9318704H5C                         | WS128K32-70H1Q                      | 1          | STATIC RAM, 128K X 32-BIT, 70 NS  | White           | 54230     |
| 5962-9318705H5A                         | WS128K32-55H1Q                      | 1          | STATIC RAM, 128K X 32-BIT, 55 NS  | White           | 54230     |
| 5962-9318705H5C                         | WS128K32-55H1Q                      | 1          | STATIC RAM, 128K X 32-BIT, 55 NS  | White           | 54230     |
| 5962-9318705H4C                         | WS128K32N-55H1Q                     | 1          | STATIC RAM, 128K X 32-BIT, 55 NS  | White           | 54230     |
| 5962-9318705H4A                         | WS128K32N-55H1Q                     | 1          | STATIC RAM, 128K X 32-BIT, 55 NS  | White           | 54230     |
| 5962-9318705H4A                         | AS8S128K32PN-55/883C                | 1          | STATIC RAM, 128K X 32-BIT, 55 NS  | Micros Comp,    | 0EU86     |
| 5962-9318705H4C                         | AS8S128K32PN-55/883C                | 1          | STATIC RAM, 128K X 32-BIT, 55 NS  | Micros Comp,    | 0EU86     |
| 5962-9318705H5C                         | AS8S128K32P-55/883C                 | 1          | STATIC RAM, 128K X 32-BIT, 55 NS  | Micros Comp,    | 0EU86     |
| 5962-9318705H5A                         | AS8S128K32P-55/883C                 | 1          | STATIC RAM, 128K X 32-BIT, 55 NS  | Micros Comp,    | 0EU86     |
| 5962-9318706H5A                         | WS128K32-45H1Q                      | 1          | STATIC RAM, 128K X 32-BIT, 45 NS  | White           | 54230     |
| 5962-9318706H5C                         | WS128K32-45H1Q                      | 1          | STATIC RAM, 128K X 32-BIT, 45 NS  | White           | 54230     |
| 5962-9318706H4C                         | WS128K32N-45H1Q                     | 1          | STATIC RAM, 128K X 32-BIT, 45 NS  | White           | 54230     |
| 5962-9318706H4A                         | WS128K32N-45H1Q                     | 1          | STATIC RAM, 128K X 32-BIT, 45 NS  | White           | 54230     |
| 5962-9318706H4C                         | AS8S128K32PN-45/883C                | 1          | STATIC RAM, 128K X 32-BIT, 45 NS  | Micros Comp,    | 0EU86     |
| 5962-9318706H5A                         | AS8S128K32P-45/883C                 | 1          | STATIC RAM, 128K X 32-BIT, 45 NS  | Micros Comp,    | 0EU86     |
| 5962-9318706H5C                         | AS8S128K32P-45/883C                 | 1          | STATIC RAM, 128K X 32-BIT, 45 NS  | Micros Comp,    | 0EU86     |
| 5962-9318706H4A                         | AS8S128K32PN-45/883C                | 1          | STATIC RAM, 128K X 32-BIT, 45 NS  | Micros Comp,    | 0EU86     |



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PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |                                  |                 |           |
|---|-------------------------------------|------------|----------------------------------|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description         | Approved Source | CAGE Code |
| 5962-9318707H5C                         | WS128K32-35H1Q                      | 1          | STATIC RAM, 128K X 32-BIT, 35 NS | White           | 54230     |
| 5962-9318707H5A                         | WS128K32-35H1Q                      | 1          | STATIC RAM, 128K X 32-BIT, 35 NS | White           | 54230     |
| 5962-9318707H4C                         | WS128K32N-35H1Q                     | 1          | STATIC RAM, 128K X 32-BIT, 35 NS | White           | 54230     |
| 5962-9318707H4A                         | WS128K32N-35H1Q                     | 1          | STATIC RAM, 128K X 32-BIT, 35 NS | White           | 54230     |
| 5962-9318707H5C                         | AS8S128K32P-35/883C                 | 1          | STATIC RAM, 128K X 32-BIT, 35 NS | Micross Comp,   | 0EU86     |
| 5962-9318707H5A                         | AS8S128K32P-35/883C                 | 1          | STATIC RAM, 128K X 32-BIT, 35 NS | Micross Comp,   | 0EU86     |
| 5962-9318707H4A                         | AS8S128K32PN-35/883C                | 1          | STATIC RAM, 128K X 32-BIT, 35 NS | Micross Comp,   | 0EU86     |
| 5962-9318707H4C                         | AS8S128K32PN-35/883C                | 1          | STATIC RAM, 128K X 32-BIT, 35 NS | Micross Comp,   | 0EU86     |
| 5962-9318708H4A                         | WS128K32N-25H1Q                     | 1          | STATIC RAM, 128K X 32-BIT, 25 NS | White           | 54230     |
| 5962-9318708H4C                         | WS128K32N-25H1Q                     | 1          | STATIC RAM, 128K X 32-BIT, 25 NS | White           | 54230     |
| 5962-9318708H5A                         | WS128K32-25H1Q                      | 1          | STATIC RAM, 128K X 32-BIT, 25 NS | White           | 54230     |
| 5962-9318708H5C                         | WS128K32-25H1Q                      | 1          | STATIC RAM, 128K X 32-BIT, 25 NS | White           | 54230     |
| 5962-9318708H5A                         | AS8S128K32P-25/883C                 | 1          | STATIC RAM, 128K X 32-BIT, 25 NS | Micross Comp,   | 0EU86     |
| 5962-9318708H4C                         | AS8S128K32PN-25/883C                | 1          | STATIC RAM, 128K X 32-BIT, 25 NS | Micross Comp,   | 0EU86     |
| 5962-9318708H4A                         | AS8S128K32PN-25/883C                | 1          | STATIC RAM, 128K X 32-BIT, 25 NS | Micross Comp,   | 0EU86     |
| 5962-9318708H5C                         | AS8S128K32P-25/883C                 | 1          | STATIC RAM, 128K X 32-BIT, 25 NS | Micross Comp,   | 0EU86     |
| 5962-9318709H4C                         | WS128K32N-20H1Q                     | 1          | STATIC RAM, 128K X 32-BIT, 20 NS | White           | 54230     |
| 5962-9318709H4A                         | WS128K32N-20H1Q                     | 1          | STATIC RAM, 128K X 32-BIT, 20 NS | White           | 54230     |
| 5962-9318709H5A                         | WS128K32-20H1Q                      | 1          | STATIC RAM, 128K X 32-BIT, 20 NS | White           | 54230     |
| 5962-9318709H5C                         | WS128K32-20H1Q                      | 1          | STATIC RAM, 128K X 32-BIT, 20 NS | White           | 54230     |
| 5962-9318709H4A                         | AS8S128K32PN-20/883C                | 1          | STATIC RAM, 128K X 32-BIT, 20 NS | Micross Comp,   | 0EU86     |
| 5962-9318709H4C                         | AS8S128K32PN-20/883C                | 1          | STATIC RAM, 128K X 32-BIT, 20 NS | Micross Comp,   | 0EU86     |
| 5962-9318709H5C                         | AS8S128K32P-20/883C                 | 1          | STATIC RAM, 128K X 32-BIT, 20 NS | Micross Comp,   | 0EU86     |
| 5962-9318709H5A                         | AS8S128K32P-20/883C                 | 1          | STATIC RAM, 128K X 32-BIT, 20 NS | Micross Comp,   | 0EU86     |
| 5962-9318710H5C                         | WS128K32-17H1Q                      | 1          | STATIC RAM, 128K X 32-BIT, 17 NS | White           | 54230     |
| 5962-9318710H5A                         | WS128K32-17H1Q                      | 1          | STATIC RAM, 128K X 32-BIT, 17 NS | White           | 54230     |
| 5962-9318710H4C                         | WS128K32N-17H1Q                     | 1          | STATIC RAM, 128K X 32-BIT, 17 NS | White           | 54230     |
| 5962-9318710H4A                         | WS128K32N-17H1Q                     | 1          | STATIC RAM, 128K X 32-BIT, 17 NS | White           | 54230     |
| 5962-9318710H5C                         | AS8S128K32P-17/883C                 | 1          | STATIC RAM, 128K X 32-BIT, 17 NS | Micross Comp,   | 0EU86     |
| 5962-9318710H4C                         | AS8S128K32PN-17/883C                | 1          | STATIC RAM, 128K X 32-BIT, 17 NS | Micross Comp,   | 0EU86     |
| 5962-9318710H4A                         | AS8S128K32PN-17/883C                | 1          | STATIC RAM, 128K X 32-BIT, 17 NS | Micross Comp,   | 0EU86     |
| 5962-9318710H5A                         | AS8S128K32P-17/883C                 | 1          | STATIC RAM, 128K X 32-BIT, 17 NS | Micross Comp,   | 0EU86     |
| 5962-9318711H4C                         | WS128K32N-15H1Q                     | 1          | STATIC RAM, 128K X 32-BIT, 15 NS | White           | 54230     |
| 5962-9318711H4A                         | WS128K32N-15H1Q                     | 1          | STATIC RAM, 128K X 32-BIT, 15 NS | White           | 54230     |
| 5962-9318711H5A                         | WS128K32-15H1Q                      | 1          | STATIC RAM, 128K X 32-BIT, 15 NS | White           | 54230     |
| 5962-9318711H5C                         | WS128K32-15H1Q                      | 1          | STATIC RAM, 128K X 32-BIT, 15 NS | White           | 54230     |
| 5962-9318712H5C                         | WS128K32H-55H1Q                     | 1          | STATIC RAM, 128K X 32-BIT, 55 NS | White           | 54230     |
| 5962-9318712HMC                         | ACT-S128K32N-055P3QR                | 1          | STATIC RAM, 128K X 32-BIT, 55 NS | Aeroflex        | 88379     |
| 5962-9318712H5A                         | ACT-S128K32C-055P7QR                | 1          | STATIC RAM, 128K X 32-BIT, 55 NS | Aeroflex        | 88379     |
| 5962-9318712HNCC                        | ACT-S128K32C-055P3QR                | 1          | STATIC RAM, 128K X 32-BIT, 55 NS | Aeroflex        | 88379     |
| 5962-9318712H5A                         | WS128K32H-55H1Q                     | 1          | STATIC RAM, 128K X 32-BIT, 55 NS | White           | 54230     |
| 5962-9318712HTA                         | ACT-S128K32N-055P2QR                | 1          | STATIC RAM, 128K X 32-BIT, 55 NS | Aeroflex        | 88379     |
| 5962-9318712HTC                         | ACT-S128K32N-055P2QR                | 1          | STATIC RAM, 128K X 32-BIT, 55 NS | Aeroflex        | 88379     |
| 5962-9318712HMA                         | ACT-S128K32N-055P3QR                | 1          | STATIC RAM, 128K X 32-BIT, 55 NS | Aeroflex        | 88379     |
| 5962-9318712HNA                         | ACT-S128K32C-055P3QR                | 1          | STATIC RAM, 128K X 32-BIT, 55 NS | Aeroflex        | 88379     |
| 5962-9318712HUC                         | ACT-S128K32N-055P6QR                | 1          | STATIC RAM, 128K X 32-BIT, 55 NS | Aeroflex        | 88379     |
| 5962-9318712H4A                         | ACT-S128K32N-055P7QR                | 1          | STATIC RAM, 128K X 32-BIT, 55 NS | Aeroflex        | 88379     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |                                  |                 |           |
|---|-------------------------------------|------------|----------------------------------|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description         | Approved Source | CAGE Code |
| 5962-9318712H4C                         | ACT-S128K32N-055P7QR                | 1          | STATIC RAM, 128K X 32-BIT, 55 NS | Aeroflex        | 88379     |
| 5962-9318712HXA                         | ACT-S128K32C-055P2QR                | 1          | STATIC RAM, 128K X 32-BIT, 55 NS | Aeroflex        | 88379     |
| 5962-9318712HUA                         | ACT-S128K32N-055P6QR                | 1          | STATIC RAM, 128K X 32-BIT, 55 NS | Aeroflex        | 88379     |
| 5962-9318712HXC                         | ACT-S128K32C-055P2QR                | 1          | STATIC RAM, 128K X 32-BIT, 55 NS | Aeroflex        | 88379     |
| 5962-9318712H4A                         | WS128K32NH-55H1Q                    | 1          | STATIC RAM, 128K X 32-BIT, 55 NS | White           | 54230     |
| 5962-9318712H5C                         | ACT-S128K32C-055P7QR                | 1          | STATIC RAM, 128K X 32-BIT, 55 NS | Aeroflex        | 88379     |
| 5962-9318712H4C                         | WS128K32NH-55H1Q                    | 1          | STATIC RAM, 128K X 32-BIT, 55 NS | White           | 54230     |
| 5962-9318712H4C                         | AS8S128K32PN-55/883C                | 1          | STATIC RAM, 128K X 32-BIT, 55 NS | Micross Comp,   | 0EU86     |
| 5962-9318712H5C                         | AS8S128K32P-55/883C                 | 1          | STATIC RAM, 128K X 32-BIT, 55 NS | Micross Comp,   | 0EU86     |
| 5962-9318712H5A                         | AS8S128K32P-55/883C                 | 1          | STATIC RAM, 128K X 32-BIT, 55 NS | Micross Comp,   | 0EU86     |
| 5962-9318712H4A                         | AS8S128K32PN-55/883C                | 1          | STATIC RAM, 128K X 32-BIT, 55 NS | Micross Comp,   | 0EU86     |
| 5962-9318713HTC                         | ACT-S128K32N-045P2QR                | 1          | STATIC RAM, 128K X 32-BIT, 45 NS | Aeroflex        | 88379     |
| 5962-9318713H4A                         | WS128K32NH-45H1Q                    | 1          | STATIC RAM, 128K X 32-BIT, 45 NS | White           | 54230     |
| 5962-9318713H4C                         | WS128K32NH-45H1Q                    | 1          | STATIC RAM, 128K X 32-BIT, 45 NS | White           | 54230     |
| 5962-9318713HYA                         | ACT-S128K32C-045P6QR                | 1          | STATIC RAM, 128K X 32-BIT, 45 NS | Aeroflex        | 88379     |
| 5962-9318713HMC                         | ACT-S128K32N-045P3QR                | 1          | STATIC RAM, 128K X 32-BIT, 45 NS | Aeroflex        | 88379     |
| 5962-9318713HTA                         | ACT-S128K32N-045P2QR                | 1          | STATIC RAM, 128K X 32-BIT, 45 NS | Aeroflex        | 88379     |
| 5962-9318713HUC                         | ACT-S128K32N-045P6QR                | 1          | STATIC RAM, 128K X 32-BIT, 45 NS | Aeroflex        | 88379     |
| 5962-9318713HMA                         | ACT-S128K32N-045P3QR                | 1          | STATIC RAM, 128K X 32-BIT, 45 NS | Aeroflex        | 88379     |
| 5962-9318713HXA                         | ACT-S128K32C-045P2QR                | 1          | STATIC RAM, 128K X 32-BIT, 45 NS | Aeroflex        | 88379     |
| 5962-9318713HXC                         | ACT-S128K32C-045P2QR                | 1          | STATIC RAM, 128K X 32-BIT, 45 NS | Aeroflex        | 88379     |
| 5962-9318713HNC                         | ACT-S128K32C-045P3QR                | 1          | STATIC RAM, 128K X 32-BIT, 45 NS | Aeroflex        | 88379     |
| 5962-9318713H5A                         | ACT-S128K32C-045P7QR                | 1          | STATIC RAM, 128K X 32-BIT, 45 NS | Aeroflex        | 88379     |
| 5962-9318713H5C                         | ACT-S128K32C-045P7QR                | 1          | STATIC RAM, 128K X 32-BIT, 45 NS | Aeroflex        | 88379     |
| 5962-9318713H4A                         | ACT-S128K32N-045P7QR                | 1          | STATIC RAM, 128K X 32-BIT, 45 NS | Aeroflex        | 88379     |
| 5962-9318713H4C                         | ACT-S128K32N-045P7QR                | 1          | STATIC RAM, 128K X 32-BIT, 45 NS | Aeroflex        | 88379     |
| 5962-9318713H5C                         | WS128K32H-45H1Q                     | 1          | STATIC RAM, 128K X 32-BIT, 45 NS | White           | 54230     |
| 5962-9318713H5A                         | WS128K32H-45H1Q                     | 1          | STATIC RAM, 128K X 32-BIT, 45 NS | White           | 54230     |
| 5962-9318713HYC                         | ACT-S128K32C-045P6QR                | 1          | STATIC RAM, 128K X 32-BIT, 45 NS | Aeroflex        | 88379     |
| 5962-9318713HUA                         | ACT-S128K32N-045P6QR                | 1          | STATIC RAM, 128K X 32-BIT, 45 NS | Aeroflex        | 88379     |
| 5962-9318713HNA                         | ACT-S128K32C-045P3QR                | 1          | STATIC RAM, 128K X 32-BIT, 45 NS | Aeroflex        | 88379     |
| 5962-9318713H5C                         | AS8S128K32P-45/883C                 | 1          | STATIC RAM, 128K X 32-BIT, 45 NS | Micross Comp,   | 0EU86     |
| 5962-9318713H4A                         | AS8S128K32P-45/883C                 | 1          | STATIC RAM, 128K X 32-BIT, 45 NS | Micross Comp,   | 0EU86     |
| 5962-9318713H5A                         | AS8S128K32P-45/883C                 | 1          | STATIC RAM, 128K X 32-BIT, 45 NS | Micross Comp,   | 0EU86     |
| 5962-9318713H4C                         | AS8S128K32P-45/883C                 | 1          | STATIC RAM, 128K X 32-BIT, 45 NS | Micross Comp,   | 0EU86     |
| 5962-9318714H5C                         | ACT-S128K32C-035P7QR                | 1          | STATIC RAM, 128K X 32-BIT, 35 NS | Aeroflex        | 88379     |
| 5962-9318714HNC                         | ACT-S128K32C-035P3QR                | 1          | STATIC RAM, 128K X 32-BIT, 35 NS | Aeroflex        | 88379     |
| 5962-9318714H5C                         | WS128K32H-35H1Q                     | 1          | STATIC RAM, 128K X 32-BIT, 35 NS | White           | 54230     |
| 5962-9318714HXA                         | ACT-S128K32C-035P2QR                | 1          | STATIC RAM, 128K X 32-BIT, 35 NS | Aeroflex        | 88379     |
| 5962-9318714HYC                         | ACT-S128K32C-035P6QR                | 1          | STATIC RAM, 128K X 32-BIT, 35 NS | Aeroflex        | 88379     |
| 5962-9318714H4A                         | WS128K32NH-35H1Q                    | 1          | STATIC RAM, 128K X 32-BIT, 35 NS | White           | 54230     |
| 5962-9318714HYA                         | ACT-S128K32C-035P6QR                | 1          | STATIC RAM, 128K X 32-BIT, 35 NS | Aeroflex        | 88379     |
| 5962-9318714H4C                         | WS128K32NH-35H1Q                    | 1          | STATIC RAM, 128K X 32-BIT, 35 NS | White           | 54230     |
| 5962-9318714HNA                         | ACT-S128K32C-035P3QR                | 1          | STATIC RAM, 128K X 32-BIT, 35 NS | Aeroflex        | 88379     |
| 5962-9318714H5A                         | ACT-S128K32C-035P7QR                | 1          | STATIC RAM, 128K X 32-BIT, 35 NS | Aeroflex        | 88379     |
| 5962-9318714HTA                         | ACT-S128K32N-035P2QR                | 1          | STATIC RAM, 128K X 32-BIT, 35 NS | Aeroflex        | 88379     |
| 5962-9318714HUC                         | ACT-S128K32N-035P6QR                | 1          | STATIC RAM, 128K X 32-BIT, 35 NS | Aeroflex        | 88379     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |                                  |                 |           |
|---|-------------------------------------|------------|----------------------------------|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description         | Approved Source | CAGE Code |
| 5962-9318714HMC                         | ACT-S128K32N-035P3QR                | 1          | STATIC RAM, 128K X 32-BIT, 35 NS | Aeroflex        | 88379     |
| 5962-9318714HMA                         | ACT-S128K32N-035P3QR                | 1          | STATIC RAM, 128K X 32-BIT, 35 NS | Aeroflex        | 88379     |
| 5962-9318714H4A                         | ACT-S128K32N-035P7QR                | 1          | STATIC RAM, 128K X 32-BIT, 35 NS | Aeroflex        | 88379     |
| 5962-9318714H4C                         | ACT-S128K32N-035P7QR                | 1          | STATIC RAM, 128K X 32-BIT, 35 NS | Aeroflex        | 88379     |
| 5962-9318714HUA                         | ACT-S128K32N-035P6QR                | 1          | STATIC RAM, 128K X 32-BIT, 35 NS | Aeroflex        | 88379     |
| 5962-9318714HTC                         | ACT-S128K32N-035P2QR                | 1          | STATIC RAM, 128K X 32-BIT, 35 NS | Aeroflex        | 88379     |
| 5962-9318714H5A                         | WS128K32H-35H1Q                     | 1          | STATIC RAM, 128K X 32-BIT, 35 NS | White           | 54230     |
| 5962-9318714HXC                         | ACT-S128K32C-035P2QR                | 1          | STATIC RAM, 128K X 32-BIT, 35 NS | Aeroflex        | 88379     |
| 5962-9318714H4A                         | AS8S128K32PN-35/883C                | 1          | STATIC RAM, 128K X 32-BIT, 35 NS | Micross Comp,   | 0EU86     |
| 5962-9318714H4C                         | AS8S128K32PN-35/883C                | 1          | STATIC RAM, 128K X 32-BIT, 35 NS | Micross Comp,   | 0EU86     |
| 5962-9318714H5A                         | AS8S128K32P-35/883C                 | 1          | STATIC RAM, 128K X 32-BIT, 35 NS | Micross Comp,   | 0EU86     |
| 5962-9318714H5C                         | AS8S128K32P-35/883C                 | 1          | STATIC RAM, 128K X 32-BIT, 35 NS | Micross Comp,   | 0EU86     |
| 5962-9318715HYC                         | ACT-S128K32C-025P6QR                | 1          | STATIC RAM, 128K X 32-BIT, 25 NS | Aeroflex        | 88379     |
| 5962-9318715HTC                         | ACT-S128K32N-025P2QR                | 1          | STATIC RAM, 128K X 32-BIT, 25 NS | Aeroflex        | 88379     |
| 5962-9318715HMA                         | ACT-S128K32N-025P3QR                | 1          | STATIC RAM, 128K X 32-BIT, 25 NS | Aeroflex        | 88379     |
| 5962-9318715HMC                         | ACT-S128K32N-025P3QR                | 1          | STATIC RAM, 128K X 32-BIT, 25 NS | Aeroflex        | 88379     |
| 5962-9318715HXA                         | ACT-S128K32C-025P2QR                | 1          | STATIC RAM, 128K X 32-BIT, 25 NS | Aeroflex        | 88379     |
| 5962-9318715H4C                         | ACT-S128K32N-025P7QR                | 1          | STATIC RAM, 128K X 32-BIT, 25 NS | Aeroflex        | 88379     |
| 5962-9318715HXC                         | ACT-S128K32C-025P2QR                | 1          | STATIC RAM, 128K X 32-BIT, 25 NS | Aeroflex        | 88379     |
| 5962-9318715H4C                         | WS128K32NH-25H1Q                    | 1          | STATIC RAM, 128K X 32-BIT, 25 NS | White           | 54230     |
| 5962-9318715HNC                         | ACT-S128K32C-025P3QR                | 1          | STATIC RAM, 128K X 32-BIT, 25 NS | Aeroflex        | 88379     |
| 5962-9318715H4A                         | WS128K32NH-25H1Q                    | 1          | STATIC RAM, 128K X 32-BIT, 25 NS | White           | 54230     |
| 5962-9318715HYA                         | ACT-S128K32C-025P6QR                | 1          | STATIC RAM, 128K X 32-BIT, 25 NS | Aeroflex        | 88379     |
| 5962-9318715HUA                         | ACT-S128K32N-025P6QR                | 1          | STATIC RAM, 128K X 32-BIT, 25 NS | Aeroflex        | 88379     |
| 5962-9318715HUC                         | ACT-S128K32N-025P6QR                | 1          | STATIC RAM, 128K X 32-BIT, 25 NS | Aeroflex        | 88379     |
| 5962-9318715H5A                         | WS128K32H-25H1Q                     | 1          | STATIC RAM, 128K X 32-BIT, 25 NS | White           | 54230     |
| 5962-9318715HNA                         | ACT-S128K32C-025P3QR                | 1          | STATIC RAM, 128K X 32-BIT, 25 NS | Aeroflex        | 88379     |
| 5962-9318715H5C                         | WS128K32H-25H1Q                     | 1          | STATIC RAM, 128K X 32-BIT, 25 NS | White           | 54230     |
| 5962-9318715H4A                         | ACT-S128K32N-025P7QR                | 1          | STATIC RAM, 128K X 32-BIT, 25 NS | Aeroflex        | 88379     |
| 5962-9318715HTA                         | ACT-S128K32N-025P2QR                | 1          | STATIC RAM, 128K X 32-BIT, 25 NS | Aeroflex        | 88379     |
| 5962-9318715H5C                         | ACT-S128K32C-025P7QR                | 1          | STATIC RAM, 128K X 32-BIT, 25 NS | Aeroflex        | 88379     |
| 5962-9318715H5A                         | ACT-S128K32C-025P7QR                | 1          | STATIC RAM, 128K X 32-BIT, 25 NS | Aeroflex        | 88379     |
| 5962-9318715H5A                         | AS8S128K32P-25/883C                 | 1          | STATIC RAM, 128K X 32-BIT, 25 NS | Micross Comp,   | 0EU86     |
| 5962-9318715H4A                         | AS8S128K32PN-25/883C                | 1          | STATIC RAM, 128K X 32-BIT, 25 NS | Micross Comp,   | 0EU86     |
| 5962-9318715H4C                         | AS8S128K32PN-25/883C                | 1          | STATIC RAM, 128K X 32-BIT, 25 NS | Micross Comp,   | 0EU86     |
| 5962-9318715H5C                         | AS8S128K32P-25/883C                 | 1          | STATIC RAM, 128K X 32-BIT, 25 NS | Micross Comp,   | 0EU86     |
| 5962-9318716HMA                         | ACT-S128K32N-020P3QR                | 1          | STATIC RAM, 128K X 32-BIT, 20 NS | Aeroflex        | 88379     |
| 5962-9318716H5A                         | ACT-S128K32C-020P7QR                | 1          | STATIC RAM, 128K X 32-BIT, 20 NS | Aeroflex        | 88379     |
| 5962-9318716HYC                         | ACT-S128K32C-020P6QR                | 1          | STATIC RAM, 128K X 32-BIT, 20 NS | Aeroflex        | 88379     |
| 5962-9318716HYA                         | ACT-S128K32C-020P6QR                | 1          | STATIC RAM, 128K X 32-BIT, 20 NS | Aeroflex        | 88379     |
| 5962-9318716HNC                         | ACT-S128K32C-020P3QR                | 1          | STATIC RAM, 128K X 32-BIT, 20 NS | Aeroflex        | 88379     |
| 5962-9318716HNA                         | ACT-S128K32C-020P3QR                | 1          | STATIC RAM, 128K X 32-BIT, 20 NS | Aeroflex        | 88379     |
| 5962-9318716HXC                         | ACT-S128K32C-020P2QR                | 1          | STATIC RAM, 128K X 32-BIT, 20 NS | Aeroflex        | 88379     |
| 5962-9318716HXA                         | ACT-S128K32C-020P2QR                | 1          | STATIC RAM, 128K X 32-BIT, 20 NS | Aeroflex        | 88379     |
| 5962-9318716H5A                         | WS128K32H-20H1Q                     | 1          | STATIC RAM, 128K X 32-BIT, 20 NS | White           | 54230     |
| 5962-9318716HMC                         | ACT-S128K32N-020P3QR                | 1          | STATIC RAM, 128K X 32-BIT, 20 NS | Aeroflex        | 88379     |
| 5962-9318716HTC                         | ACT-S128K32N-020P2QR                | 1          | STATIC RAM, 128K X 32-BIT, 20 NS | Aeroflex        | 88379     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |                                  |                 |           |
|---|-------------------------------------|------------|----------------------------------|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description         | Approved Source | CAGE Code |
| 5962-9318716HTA                         | ACT-S128K32N-020P2QR                | 1          | STATIC RAM, 128K X 32-BIT, 20 NS | Aeroflex        | 88379     |
| 5962-9318716H4C                         | WS128K32NH-20H1Q                    | 1          | STATIC RAM, 128K X 32-BIT, 20 NS | White           | 54230     |
| 5962-9318716H5C                         | ACT-S128K32C-020P7QR                | 1          | STATIC RAM, 128K X 32-BIT, 20 NS | Aeroflex        | 88379     |
| 5962-9318716H5C                         | WS128K32H-20H1Q                     | 1          | STATIC RAM, 128K X 32-BIT, 20 NS | White           | 54230     |
| 5962-9318716HUA                         | ACT-S128K32N-020P6QR                | 1          | STATIC RAM, 128K X 32-BIT, 20 NS | Aeroflex        | 88379     |
| 5962-9318716HUC                         | ACT-S128K32N-020P6QR                | 1          | STATIC RAM, 128K X 32-BIT, 20 NS | Aeroflex        | 88379     |
| 5962-9318716H4A                         | ACT-S128K32N-020P7QR                | 1          | STATIC RAM, 128K X 32-BIT, 20 NS | Aeroflex        | 88379     |
| 5962-9318716H4A                         | WS128K32NH-20H1Q                    | 1          | STATIC RAM, 128K X 32-BIT, 20 NS | White           | 54230     |
| 5962-9318716H4C                         | ACT-S128K32N-020P7QR                | 1          | STATIC RAM, 128K X 32-BIT, 20 NS | Aeroflex        | 88379     |
| 5962-9318716H4A                         | AS8S128K32PN-20/883C                | 1          | STATIC RAM, 128K X 32-BIT, 20 NS | Micross Comp,   | 0EU86     |
| 5962-9318716H4C                         | AS8S128K32PN-20/883C                | 1          | STATIC RAM, 128K X 32-BIT, 20 NS | Micross Comp,   | 0EU86     |
| 5962-9318716H5C                         | AS8S128K32P-20/883C                 | 1          | STATIC RAM, 128K X 32-BIT, 20 NS | Micross Comp,   | 0EU86     |
| 5962-9318716H5A                         | AS8S128K32P-20/883C                 | 1          | STATIC RAM, 128K X 32-BIT, 20 NS | Micross Comp,   | 0EU86     |
| 5962-9318717H5A                         | ACT-S128K32C-017P7QR                | 1          | STATIC RAM, 128K X 32-BIT, 17 NS | Aeroflex        | 88379     |
| 5962-9318717HMA                         | ACT-S128K32N-017P3QR                | 1          | STATIC RAM, 128K X 32-BIT, 17 NS | Aeroflex        | 88379     |
| 5962-9318717HTC                         | ACT-S128K32N-017P2QR                | 1          | STATIC RAM, 128K X 32-BIT, 17 NS | Aeroflex        | 88379     |
| 5962-9318717H4C                         | WS128K32NH-17H1Q                    | 1          | STATIC RAM, 128K X 32-BIT, 17 NS | White           | 54230     |
| 5962-9318717H5C                         | ACT-S128K32C-017P7QR                | 1          | STATIC RAM, 128K X 32-BIT, 17 NS | Aeroflex        | 88379     |
| 5962-9318717HTA                         | ACT-S128K32N-017P2QR                | 1          | STATIC RAM, 128K X 32-BIT, 17 NS | Aeroflex        | 88379     |
| 5962-9318717HYC                         | ACT-S128K32C-017P6QR                | 1          | STATIC RAM, 128K X 32-BIT, 17 NS | Aeroflex        | 88379     |
| 5962-9318717HYA                         | ACT-S128K32C-017P6QR                | 1          | STATIC RAM, 128K X 32-BIT, 17 NS | Aeroflex        | 88379     |
| 5962-9318717H4A                         | WS128K32NH-17H1Q                    | 1          | STATIC RAM, 128K X 32-BIT, 17 NS | White           | 54230     |
| 5962-9318717HXC                         | ACT-S128K32C-017P2QR                | 1          | STATIC RAM, 128K X 32-BIT, 17 NS | Aeroflex        | 88379     |
| 5962-9318717HNA                         | ACT-S128K32C-017P3QR                | 1          | STATIC RAM, 128K X 32-BIT, 17 NS | Aeroflex        | 88379     |
| 5962-9318717HNC                         | ACT-S128K32C-017P3QR                | 1          | STATIC RAM, 128K X 32-BIT, 17 NS | Aeroflex        | 88379     |
| 5962-9318717HXA                         | ACT-S128K32C-017P2QR                | 1          | STATIC RAM, 128K X 32-BIT, 17 NS | Aeroflex        | 88379     |
| 5962-9318717H5A                         | WS128K32H-17H1Q                     | 1          | STATIC RAM, 128K X 32-BIT, 17 NS | White           | 54230     |
| 5962-9318717HUA                         | ACT-S128K32N-017P6QR                | 1          | STATIC RAM, 128K X 32-BIT, 17 NS | Aeroflex        | 88379     |
| 5962-9318717HUC                         | ACT-S128K32N-017P6QR                | 1          | STATIC RAM, 128K X 32-BIT, 17 NS | Aeroflex        | 88379     |
| 5962-9318717H4A                         | ACT-S128K32N-017P7QR                | 1          | STATIC RAM, 128K X 32-BIT, 17 NS | Aeroflex        | 88379     |
| 5962-9318717H4C                         | ACT-S128K32N-017P7QR                | 1          | STATIC RAM, 128K X 32-BIT, 17 NS | Aeroflex        | 88379     |
| 5962-9318717HMC                         | ACT-S128K32N-017P3QR                | 1          | STATIC RAM, 128K X 32-BIT, 17 NS | Aeroflex        | 88379     |
| 5962-9318717H5C                         | WS128K32H-17H1Q                     | 1          | STATIC RAM, 128K X 32-BIT, 17 NS | White           | 54230     |
| 5962-9318717H4C                         | AS8S128K32PN-17/883C                | 1          | STATIC RAM, 128K X 32-BIT, 17 NS | Micross Comp,   | 0EU86     |
| 5962-9318717H5C                         | AS8S128K32P-17/883C                 | 1          | STATIC RAM, 128K X 32-BIT, 17 NS | Micross Comp,   | 0EU86     |
| 5962-9318717H5A                         | AS8S128K32P-17/883C                 | 1          | STATIC RAM, 128K X 32-BIT, 17 NS | Micross Comp,   | 0EU86     |
| 5962-9318717H4A                         | AS8S128K32PN-17/883C                | 1          | STATIC RAM, 128K X 32-BIT, 17 NS | Micross Comp,   | 0EU86     |
| 5962-9318718H5C                         | WS128K32H-15H1Q                     | 1          | STATIC RAM, 128K X 32-BIT, 15 NS | White           | 54230     |
| 5962-9318718H4A                         | WS128K32NH-15H1Q                    | 1          | STATIC RAM, 128K X 32-BIT, 15 NS | White           | 54230     |
| 5962-9318718H4C                         | WS128K32NH-15H1Q                    | 1          | STATIC RAM, 128K X 32-BIT, 15 NS | White           | 54230     |
| 5962-9318718H5A                         | WS128K32H-15H1Q                     | 1          | STATIC RAM, 128K X 32-BIT, 15 NS | White           | 54230     |
| 5962-9319101HZA                         | MFL2805DZ/883                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT  | Crane           | 50821     |
| 5962-9319101HUA                         | MFL2805DV/883                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT  | Crane           | 50821     |
| 5962-9319101HUC                         | MFL2805DV/883                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT  | Crane           | 50821     |
| 5962-9319101HXA                         | MFL2805D/883                        | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT  | Crane           | 50821     |
| 5962-9319101HTA                         | MFL2805DW/883                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT  | Crane           | 50821     |
| 5962-9319101HXC                         | MFL2805D/883                        | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT  | Crane           | 50821     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |                                 |                 |           |
|---|-------------------------------------|------------|---------------------------------|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description        | Approved Source | CAGE Code |
| 5962-9319101HYC                         | MFL2805DY/883                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962-9319101HZC                         | MFL2805DZ/883                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962-9319101HTC                         | MFL2805DW/883                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962-9319101HYA                         | MFL2805DY/883                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962R9319102HXA                         | SMFL2805D/HR                        | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962R9319102HXC                         | SMFL2805D/HR                        | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962L9319102KXA                         | SMFL2805D/KL                        | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962L9319102HUA                         | SMFL2805DV/HL                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962L9319102KXC                         | SMFL2805D/KL                        | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962P9319102KXA                         | SMFL2805D/KP                        | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962P9319102KXC                         | SMFL2805D/KP                        | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962R9319102KXC                         | SMFL2805D/KR                        | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962L9319102HUC                         | SMFL2805DV/HL                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962-9319102HUA                         | SMFL2805DV/HO                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962-9319102HUC                         | SMFL2805DV/HO                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962P9319102HUA                         | SMFL2805DV/HP                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962P9319102HXC                         | SMFL2805D/HP                        | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962R9319102KXA                         | SMFL2805D/KR                        | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962-9319102HTC                         | SMFL2805DW/HO                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962-9319102HYA                         | SMFL2805DY/HO                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962L9319102HYC                         | SMFL2805DY/HL                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962L9319102HYA                         | SMFL2805DY/HL                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962R9319102KTC                         | SMFL2805DW/KR                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962R9319102KTA                         | SMFL2805DW/KR                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962P9319102KTC                         | SMFL2805DW/KP                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962P9319102KTA                         | SMFL2805DW/KP                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962L9319102KTC                         | SMFL2805DW/KL                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962L9319102KTA                         | SMFL2805DW/KL                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962R9319102HTC                         | SMFL2805DW/HR                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962R9319102HTA                         | SMFL2805DW/HR                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962R9319102KZC                         | SMFL2805DZ/KR                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962P9319102HTA                         | SMFL2805DW/HP                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962P9319102HYC                         | SMFL2805DY/HP                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962-9319102HTA                         | SMFL2805DW/HO                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962L9319102HTC                         | SMFL2805DW/HL                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962L9319102HTA                         | SMFL2805DW/HL                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962R9319102KUC                         | SMFL2805DV/KR                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962R9319102KUA                         | SMFL2805DV/KR                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962P9319102KUC                         | SMFL2805DV/KP                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962P9319102KUA                         | SMFL2805DV/KP                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962L9319102KUC                         | SMFL2805DV/KL                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962L9319102KUA                         | SMFL2805DV/KL                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962R9319102HUC                         | SMFL2805DV/HR                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962R9319102HUA                         | SMFL2805DV/HR                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962P9319102HUC                         | SMFL2805DV/HP                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962P9319102HTC                         | SMFL2805DW/HP                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |
| 5962-9319102HZC                         | SMFL2805DZ/HO                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT | Crane           | 50821     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                       | Approved Source | CAGE Code |
| 5962-9319102HXC                         | SMFL2805D/HO                        | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT                | Crane           | 50821     |
| 5962-9319102HXA                         | SMFL2805D/HO                        | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT                | Crane           | 50821     |
| 5962L9319102HXC                         | SMFL2805D/HL                        | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT                | Crane           | 50821     |
| 5962L9319102HXA                         | SMFL2805D/HL                        | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT                | Crane           | 50821     |
| 5962R9319102KZA                         | SMFL2805DZ/KR                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT                | Crane           | 50821     |
| 5962P9319102KZC                         | SMFL2805DZ/KP                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT                | Crane           | 50821     |
| 5962P9319102KZA                         | SMFL2805DZ/KP                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT                | Crane           | 50821     |
| 5962L9319102KZC                         | SMFL2805DZ/KL                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT                | Crane           | 50821     |
| 5962L9319102KZA                         | SMFL2805DZ/KL                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT                | Crane           | 50821     |
| 5962R9319102HZC                         | SMFL2805DZ/HR                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT                | Crane           | 50821     |
| 5962R9319102HZA                         | SMFL2805DZ/HR                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT                | Crane           | 50821     |
| 5962-9319102HYC                         | SMFL2805DY/HO                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT                | Crane           | 50821     |
| 5962P9319102HZA                         | SMFL2805DZ/HP                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT                | Crane           | 50821     |
| 5962P9319102HYA                         | SMFL2805DY/HP                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT                | Crane           | 50821     |
| 5962-9319102HZA                         | SMFL2805DZ/HO                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT                | Crane           | 50821     |
| 5962L9319102HZC                         | SMFL2805DZ/HL                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT                | Crane           | 50821     |
| 5962L9319102HZA                         | SMFL2805DZ/HL                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT                | Crane           | 50821     |
| 5962R9319102KYC                         | SMFL2805DY/KR                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT                | Crane           | 50821     |
| 5962R9319102KYA                         | SMFL2805DY/KR                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT                | Crane           | 50821     |
| 5962P9319102KYC                         | SMFL2805DY/KP                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT                | Crane           | 50821     |
| 5962P9319102KYA                         | SMFL2805DY/KP                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT                | Crane           | 50821     |
| 5962L9319102KYC                         | SMFL2805DY/KL                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT                | Crane           | 50821     |
| 5962L9319102KYA                         | SMFL2805DY/KL                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT                | Crane           | 50821     |
| 5962R9319102HYC                         | SMFL2805DY/HR                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT                | Crane           | 50821     |
| 5962R9319102HYA                         | SMFL2805DY/HR                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT                | Crane           | 50821     |
| 5962P9319102HXA                         | SMFL2805D/HP                        | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT                | Crane           | 50821     |
| 5962P9319102HZC                         | SMFL2805DZ/HP                       | 1          | DC/DC CONVERTER, 50W, 5V OUTPUT                | Crane           | 50821     |
| 5962-9319201HYA                         | MFL2812DY/883                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962-9319201HYC                         | MFL2812DY/883                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962-9319201HZA                         | MFL2812DZ/883                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962-9319201HZC                         | MFL2812DZ/883                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962-9319201HXA                         | MFL2812D/883                        | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962-9319201HTC                         | MFL2812DW/883                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962-9319201HTA                         | MFL2812DW/883                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962-9319201HUC                         | MFL2812DV/883                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962-9319201HUA                         | MFL2812DV/883                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962-9319201HXC                         | MFL2812D/883                        | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962L9319202HYA                         | SMFL2812DY/HL                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962R9319202HYA                         | SMFL2812DY/HR                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962P9319202KYA                         | SMFL2812DY/KP                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962L9319202KYC                         | SMFL2812DY/KL                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962L9319202KYA                         | SMFL2812DY/KL                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962R9319202HYC                         | SMFL2812DY/HR                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962P9319202KYC                         | SMFL2812DY/KP                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962P9319202HYC                         | SMFL2812DY/HP                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962-9319202HYC                         | SMFL2812DY/HO                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962R9319202KYA                         | SMFL2812DY/KR                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                       | Approved Source | CAGE Code |
| 5962L9319202HYC                         | SMFL2812DY/HL                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962P9319202HZA                         | SMFL2812DZ/HP                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962R9319202KTC                         | SMFL2812DW/KR                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962L9319202KTA                         | SMFL2812DW/KL                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962R9319202HZA                         | SMFL2812DZ/HR                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962R9319202KZC                         | SMFL2812DZ/KR                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962R9319202KZA                         | SMFL2812DZ/KR                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962P9319202KZC                         | SMFL2812DZ/KP                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962P9319202KZA                         | SMFL2812DZ/KP                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962L9319202KZC                         | SMFL2812DZ/KL                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962-9319202HZA                         | SMFL2812DZ/HO                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962R9319202HZC                         | SMFL2812DZ/HR                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962R9319202KYC                         | SMFL2812DY/KR                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962P9319202HZC                         | SMFL2812DZ/HP                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962-9319202HYA                         | SMFL2812DY/HO                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962-9319202HZC                         | SMFL2812DZ/HO                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962R9319202KTA                         | SMFL2812DW/KR                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962L9319202HZC                         | SMFL2812DZ/HL                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962L9319202HZA                         | SMFL2812DZ/HL                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962L9319202KZA                         | SMFL2812DZ/KL                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962L9319202HTA                         | SMFL2812DW/HL                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962P9319202HUC                         | SMFL2812DV/HP                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962R9319202HUA                         | SMFL2812DV/HR                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962R9319202HUC                         | SMFL2812DV/HR                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962P9319202KTC                         | SMFL2812DW/KP                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962L9319202KUC                         | SMFL2812DV/KL                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962P9319202HYA                         | SMFL2812DY/HP                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962P9319202KUC                         | SMFL2812DV/KP                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962P9319202HUA                         | SMFL2812DV/HP                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962R9319202KUC                         | SMFL2812DV/KR                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962L9319202KUA                         | SMFL2812DV/KL                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962L9319202HTC                         | SMFL2812DW/HL                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962-9319202HTA                         | SMFL2812DW/HO                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962-9319202HTC                         | SMFL2812DW/HO                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962P9319202HTA                         | SMFL2812DW/HP                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962P9319202HTC                         | SMFL2812DW/HP                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962R9319202HTA                         | SMFL2812DW/HR                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962R9319202HTC                         | SMFL2812DW/HR                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962R9319202KUA                         | SMFL2812DV/KR                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962P9319202HXA                         | SMFL2812D/HP                        | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962P9319202KTA                         | SMFL2812DW/KP                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962L9319202HXA                         | SMFL2812D/HL                        | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962L9319202HXC                         | SMFL2812D/HL                        | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962P9319202KUA                         | SMFL2812DV/KP                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962-9319202HXC                         | SMFL2812D/HO                        | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962-9319202HUC                         | SMFL2812DV/HO                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962P9319202HXC                         | SMFL2812D/HP                        | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                       | Approved Source | CAGE Code |
| 5962R9319202HXA                         | SMFL2812D/HR                        | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962R9319202HXC                         | SMFL2812D/HR                        | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962-9319202HUA                         | SMFL2812DV/HO                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962L9319202KXC                         | SMFL2812D/KL                        | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962P9319202KXA                         | SMFL2812D/KP                        | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962P9319202KXC                         | SMFL2812D/KP                        | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962R9319202KXA                         | SMFL2812D/KR                        | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962R9319202KXC                         | SMFL2812D/KR                        | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962L9319202HUA                         | SMFL2812DV/HL                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962L9319202HUC                         | SMFL2812DV/HL                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962L9319202KXA                         | SMFL2812D/KL                        | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962-9319202HXA                         | SMFL2812D/HO                        | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT | Crane           | 50821     |
| 5962-9319301HUC                         | MFL2815DV/883                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962-9319301HTA                         | MFL2815DW/883                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962-9319301HTC                         | MFL2815DW/883                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962-9319301HYA                         | MFL2815DY/883                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962-9319301HYC                         | MFL2815DY/883                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962-9319301HZA                         | MFL2815DZ/883                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962-9319301HZC                         | MFL2815DZ/883                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962-9319301HUA                         | MFL2815DV/883                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962-9319301HXA                         | MFL2815D/883                        | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962-9319301HXC                         | MFL2815D/883                        | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962-9319302HYC                         | SMFL2815DY/HO                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962L9319302HYA                         | SMFL2815DY/HL                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962P9319302KYC                         | SMFL2815DY/KP                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962P9319302KYA                         | SMFL2815DY/KP                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962L9319302KYC                         | SMFL2815DY/KL                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962L9319302KYA                         | SMFL2815DY/KL                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962R9319302HYC                         | SMFL2815DY/HR                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962R9319302HYA                         | SMFL2815DY/HR                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962R9319302HTC                         | SMFL2815DW/HR                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962-9319302HYA                         | SMFL2815DY/HO                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962L9319302HZA                         | SMFL2815DZ/HL                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962R9319302KTC                         | SMFL2815DW/KR                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962R9319302KTA                         | SMFL2815DW/KR                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962P9319302KTC                         | SMFL2815DW/KP                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962P9319302KTA                         | SMFL2815DW/KP                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962L9319302KTC                         | SMFL2815DW/KL                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962L9319302KTA                         | SMFL2815DW/KL                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962P9319302HYC                         | SMFL2815DY/HP                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962R9319302HZC                         | SMFL2815DZ/HR                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962L9319302HXA                         | SMFL2815D/HL                        | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962L9319302HYC                         | SMFL2815DY/HL                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962R9319302KZC                         | SMFL2815DZ/KR                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962R9319302KZA                         | SMFL2815DZ/KR                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962P9319302KZC                         | SMFL2815DZ/KP                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962P9319302KZA                         | SMFL2815DZ/KP                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |



Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                       | Approved Source | CAGE Code |
| 5962R9319302KYA                         | SMFL2815DY/KR                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962L9319302KZA                         | SMFL2815DZ/KL                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962R9319302KYC                         | SMFL2815DY/KR                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962R9319302HZA                         | SMFL2815DZ/HR                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962P9319302HZC                         | SMFL2815DZ/HP                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962P9319302HZA                         | SMFL2815DZ/HP                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962-9319302HZC                         | SMFL2815DZ/HO                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962-9319302HZA                         | SMFL2815DZ/HO                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962L9319302HZC                         | SMFL2815DZ/HL                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962P9319302HYA                         | SMFL2815DY/HP                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962L9319302KZC                         | SMFL2815DZ/KL                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962R9319302HTA                         | SMFL2815DW/HR                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962-9319302HUC                         | SMFL2815DV/HO                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962-9319302HUA                         | SMFL2815DV/HO                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962L9319302HUC                         | SMFL2815DV/HL                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962L9319302HUA                         | SMFL2815DV/HL                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962R9319302KXC                         | SMFL2815D/KR                        | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962R9319302KXA                         | SMFL2815D/KR                        | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962P9319302HUA                         | SMFL2815DV/HP                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962P9319302KXA                         | SMFL2815D/KP                        | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962L9319302KXC                         | SMFL2815D/KL                        | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962L9319302KXA                         | SMFL2815D/KL                        | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962R9319302HXA                         | SMFL2815D/HR                        | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962P9319302HXC                         | SMFL2815D/HP                        | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962P9319302HXA                         | SMFL2815D/HP                        | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962-9319302HXC                         | SMFL2815D/HO                        | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962-9319302HXA                         | SMFL2815D/HO                        | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962L9319302HXC                         | SMFL2815D/HL                        | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962P9319302KXC                         | SMFL2815D/KP                        | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962L9319302HTA                         | SMFL2815DW/HL                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962P9319302HTA                         | SMFL2815DW/HP                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962R9319302HXC                         | SMFL2815D/HR                        | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962P9319302HUC                         | SMFL2815DV/HP                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962-9319302HTC                         | SMFL2815DW/HO                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962P9319302HTC                         | SMFL2815DW/HP                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962L9319302HTC                         | SMFL2815DW/HL                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962R9319302KUC                         | SMFL2815DV/KR                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962R9319302KUA                         | SMFL2815DV/KR                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962L9319302KUA                         | SMFL2815DV/KL                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962P9319302KUC                         | SMFL2815DV/KP                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962R9319302HUA                         | SMFL2815DV/HR                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962P9319302KUA                         | SMFL2815DV/KP                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962L9319302KUC                         | SMFL2815DV/KL                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962R9319302HUC                         | SMFL2815DV/HR                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962-9319302HTA                         | SMFL2815DW/HO                       | 1          | DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT | Crane           | 50821     |
| 5962-9319801HXA                         | ADS-944/883                         | 1          | A/D CONVERTER, 14-BIT, SAMPLING                | Murata          | 50721     |
| 5962-9319801HXC                         | ADS-944/883                         | 1          | A/D CONVERTER, 14-BIT, SAMPLING                | Murata          | 50721     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |                                  |                 |           |
|---|-------------------------------------|------------|----------------------------------|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description         | Approved Source | CAGE Code |
| 5962-9319803HXA                         | ADS-30214                           | 1          | A/D CONVERTER, 14-BIT, SAMPLING  | Murata          | 50721     |
| 5962-9319803HXC                         | ADS-30214                           | 1          | A/D CONVERTER, 14-BIT, SAMPLING  | Murata          | 50721     |
| 5962-9320201HZC                         | MTR2818SF/883                       | 1          | DC/DC CONVERTER, 30W, 18V OUTPUT | Crane           | 50821     |
| 5962-9320201HXC                         | MTR2818S/883                        | 1          | DC/DC CONVERTER, 30W, 18V OUTPUT | Crane           | 50821     |
| 5962-9320201HXA                         | MTR2818S/883                        | 1          | DC/DC CONVERTER, 30W, 18V OUTPUT | Crane           | 50821     |
| 5962-9320201HZA                         | MTR2818SF/883                       | 1          | DC/DC CONVERTER, 30W, 18V OUTPUT | Crane           | 50821     |
| 5962-9320501HZA                         | MTR2805DF/883                       | 1          | DC/DC CONVERTER, 25W, ±5V OUTPUT | Crane           | 50821     |
| 5962-9320501HXA                         | MTR2805D/883                        | 1          | DC/DC CONVERTER, 25W, ±5V OUTPUT | Crane           | 50821     |
| 5962-9320501HZC                         | MTR2805DF/883                       | 1          | DC/DC CONVERTER, 25W, ±5V OUTPUT | Crane           | 50821     |
| 5962-9320501HXC                         | MTR2805D/883                        | 1          | DC/DC CONVERTER, 25W, ±5V OUTPUT | Crane           | 50821     |
| 5962L9320502HXA                         | SMTR2805D/HL                        | 1          | DC/DC CONVERTER, 25W, ±5V OUTPUT | Crane           | 50821     |
| 5962P9320502HXA                         | SMTR2805D/HP                        | 1          | DC/DC CONVERTER, 25W, ±5V OUTPUT | Crane           | 50821     |
| 5962P9320502HXC                         | SMTR2805D/HP                        | 1          | DC/DC CONVERTER, 25W, ±5V OUTPUT | Crane           | 50821     |
| 5962R9320502HXA                         | SMTR2805D/HR                        | 1          | DC/DC CONVERTER, 25W, ±5V OUTPUT | Crane           | 50821     |
| 5962R9320502HXC                         | SMTR2805D/HR                        | 1          | DC/DC CONVERTER, 25W, ±5V OUTPUT | Crane           | 50821     |
| 5962-9320502HXA                         | SMTR2805D/HO                        | 1          | DC/DC CONVERTER, 25W, ±5V OUTPUT | Crane           | 50821     |
| 5962-9320502HXC                         | SMTR2805D/HO                        | 1          | DC/DC CONVERTER, 25W, ±5V OUTPUT | Crane           | 50821     |
| 5962L9320502KZC                         | SMTR2805DF/KL                       | 1          | DC/DC CONVERTER, 25W, ±5V OUTPUT | Crane           | 50821     |
| 5962L9320502KXA                         | SMTR2805D/KL                        | 1          | DC/DC CONVERTER, 25W, ±5V OUTPUT | Crane           | 50821     |
| 5962L9320502HXC                         | SMTR2805D/HL                        | 1          | DC/DC CONVERTER, 25W, ±5V OUTPUT | Crane           | 50821     |
| 5962L9320502KZA                         | SMTR2805DF/KL                       | 1          | DC/DC CONVERTER, 25W, ±5V OUTPUT | Crane           | 50821     |
| 5962-9320502HZA                         | SMTR2805DF/HO                       | 1          | DC/DC CONVERTER, 25W, ±5V OUTPUT | Crane           | 50821     |
| 5962-9320502HZC                         | SMTR2805DF/HO                       | 1          | DC/DC CONVERTER, 25W, ±5V OUTPUT | Crane           | 50821     |
| 5962P9320502HZA                         | SMTR2805DF/HP                       | 1          | DC/DC CONVERTER, 25W, ±5V OUTPUT | Crane           | 50821     |
| 5962P9320502HZC                         | SMTR2805DF/HP                       | 1          | DC/DC CONVERTER, 25W, ±5V OUTPUT | Crane           | 50821     |
| 5962R9320502HZA                         | SMTR2805DF/HR                       | 1          | DC/DC CONVERTER, 25W, ±5V OUTPUT | Crane           | 50821     |
| 5962R9320502HZC                         | SMTR2805DF/HR                       | 1          | DC/DC CONVERTER, 25W, ±5V OUTPUT | Crane           | 50821     |
| 5962P9320502KZC                         | SMTR2805DF/KP                       | 1          | DC/DC CONVERTER, 25W, ±5V OUTPUT | Crane           | 50821     |
| 5962L9320502HZC                         | SMTR2805DF/HL                       | 1          | DC/DC CONVERTER, 25W, ±5V OUTPUT | Crane           | 50821     |
| 5962L9320502KXC                         | SMTR2805D/KL                        | 1          | DC/DC CONVERTER, 25W, ±5V OUTPUT | Crane           | 50821     |
| 5962P9320502KZA                         | SMTR2805DF/KP                       | 1          | DC/DC CONVERTER, 25W, ±5V OUTPUT | Crane           | 50821     |
| 5962R9320502KZA                         | SMTR2805DF/KR                       | 1          | DC/DC CONVERTER, 25W, ±5V OUTPUT | Crane           | 50821     |
| 5962R9320502KZC                         | SMTR2805DF/KR                       | 1          | DC/DC CONVERTER, 25W, ±5V OUTPUT | Crane           | 50821     |
| 5962L9320502HZA                         | SMTR2805DF/HL                       | 1          | DC/DC CONVERTER, 25W, ±5V OUTPUT | Crane           | 50821     |
| 5962R9320502KXA                         | SMTR2805D/KR                        | 1          | DC/DC CONVERTER, 25W, ±5V OUTPUT | Crane           | 50821     |
| 5962P9320502KXA                         | SMTR2805D/KP                        | 1          | DC/DC CONVERTER, 25W, ±5V OUTPUT | Crane           | 50821     |
| 5962P9320502KXC                         | SMTR2805D/KP                        | 1          | DC/DC CONVERTER, 25W, ±5V OUTPUT | Crane           | 50821     |
| 5962R9320502KXC                         | SMTR2805D/KR                        | 1          | DC/DC CONVERTER, 25W, ±5V OUTPUT | Crane           | 50821     |
| 5962-9324601HXA                         | MSK1901B                            | 1          | VIDEO AMPLIFIER, HIGH-VOLTAGE    | MSK             | 51651     |
| 5962-9324601HXC                         | MSK1901B                            | 1          | VIDEO AMPLIFIER, HIGH-VOLTAGE    | MSK             | 51651     |
| 94010-02HXA                             | FMC-461NT/883                       | 1          | FILTER, EMI, TRANSORBLESS        | Crane           | 50821     |
| 94010-02HZC                             | FMC-461NTF/883                      | 1          | FILTER, EMI, TRANSORBLESS        | Crane           | 50821     |
| 94010-02HZA                             | FMC-461NTF/883                      | 1          | FILTER, EMI, TRANSORBLESS        | Crane           | 50821     |
| 94010-01HXC                             | FMC-461/883                         | 1          | FILTER, EMI, 2.7 A               | Crane           | 50821     |
| 94010-01HZA                             | FMC-461F/883                        | 1          | FILTER, EMI, 2.7 A               | Crane           | 50821     |
| 94010-02HXC                             | FMC-461NT/883                       | 1          | FILTER, EMI, TRANSORBLESS        | Crane           | 50821     |
| 94010-01HXA                             | FMC-461/883                         | 1          | FILTER, EMI, 2.7 A               | Crane           | 50821     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |   |                 |           |
|---|-------------------------------------|------------|---|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                      | Approved Source | CAGE Code |
| 94010-01HZC                             | FMC-461F/883                        | 1          | FILTER, EMI, 2.7 A                            | Crane           | 50821     |
| 94010H02HXC                             | SFMC28-461/HH                       | 1          | FILTER, EMI, TRANSORBLESS                     | Crane           | 50821     |
| 94010H02HXA                             | SFMC28-461/HH                       | 1          | FILTER, EMI, TRANSORBLESS                     | Crane           | 50821     |
| 94010H02KXA                             | SFMC28-461/KH                       | 1          | FILTER, EMI, TRANSORBLESS                     | Crane           | 50821     |
| 94010H02HZA                             | SFMC28-461F/HH                      | 1          | FILTER, EMI, TRANSORBLESS                     | Crane           | 50821     |
| 94010H02HZC                             | SFMC28-461F/HH                      | 1          | FILTER, EMI, TRANSORBLESS                     | Crane           | 50821     |
| 94010H02KZA                             | SFMC28-461F/KH                      | 1          | FILTER, EMI, TRANSORBLESS                     | Crane           | 50821     |
| 94010H02KZC                             | SFMC28-461F/KH                      | 1          | FILTER, EMI, TRANSORBLESS                     | Crane           | 50821     |
| 94010H02KXC                             | SFMC28-461/KH                       | 1          | FILTER, EMI, TRANSORBLESS                     | Crane           | 50821     |
| 94028-01HXA                             | FM-704A/883                         | 1          | FILTER, EMI, TRANSIENT SUPPRESSION MODULE     | Crane           | 50821     |
| 94028-01HXC                             | FM-704A/883                         | 1          | FILTER, EMI, TRANSIENT SUPPRESSION MODULE     | Crane           | 50821     |
| 5962-9450601HXC                         | MX-826/883                          | 1          | ANALOG MULTIPLEXER                            | Murata          | 50721     |
| 5962-9453601HXA                         | SD-14620DX-142                      | 1          | SYNCHRO TO DIGITAL CONVERTER, 11.8V, 400HZ    | DDC             | 19645     |
| 5962-9453601HXC                         | SD-14620DX-112                      | 1          | SYNCHRO TO DIGITAL CONVERTER, 11.8V, 400HZ    | DDC             | 19645     |
| 5962-9453601HYA                         | SD-14620FX-152                      | 1          | SYNCHRO TO DIGITAL CONVERTER, 11.8V, 400HZ    | DDC             | 19645     |
| 5962-9453601HXA                         | SD-14620DX-152                      | 1          | SYNCHRO TO DIGITAL CONVERTER, 11.8V, 400HZ    | DDC             | 19645     |
| 5962-9453601HYC                         | SD-14620FX-112                      | 1          | SYNCHRO TO DIGITAL CONVERTER, 11.8V, 400HZ    | DDC             | 19645     |
| 5962-9453601HXC                         | SD-14620DX-132                      | 1          | SYNCHRO TO DIGITAL CONVERTER, 11.8V, 400HZ    | DDC             | 19645     |
| 5962-9453601HYC                         | SD-14620FX-132                      | 1          | SYNCHRO TO DIGITAL CONVERTER, 11.8V, 400HZ    | DDC             | 19645     |
| 5962-9453601HYA                         | SD-14620FX-142                      | 1          | SYNCHRO TO DIGITAL CONVERTER, 11.8V, 400HZ    | DDC             | 19645     |
| 5962-9453602HXC                         | SD-14621DX-112                      | 1          | RESOLVER TO DIGITAL CONVERTER, 11.8V, 400HZ   | DDC             | 19645     |
| 5962-9453602HXC                         | SD-14621DX-132                      | 1          | RESOLVER TO DIGITAL CONVERTER, 11.8V, 400HZ   | DDC             | 19645     |
| 5962-9453602HXA                         | SD-14621DX-152                      | 1          | RESOLVER TO DIGITAL CONVERTER, 11.8V, 400HZ   | DDC             | 19645     |
| 5962-9453602HYC                         | SD-14621FX-112                      | 1          | RESOLVER TO DIGITAL CONVERTER, 11.8V, 400HZ   | DDC             | 19645     |
| 5962-9453602HYC                         | SD-14621FX-132                      | 1          | RESOLVER TO DIGITAL CONVERTER, 11.8V, 400HZ   | DDC             | 19645     |
| 5962-9453602HYA                         | SD-14621FX-142                      | 1          | RESOLVER TO DIGITAL CONVERTER, 11.8V, 400HZ   | DDC             | 19645     |
| 5962-9453602HXA                         | SD-14621DX-142                      | 1          | RESOLVER TO DIGITAL CONVERTER, 11.8V, 400HZ   | DDC             | 19645     |
| 5962-9453602HYA                         | SD-14621FX-152                      | 1          | RESOLVER TO DIGITAL CONVERTER, 11.8V, 400HZ   | DDC             | 19645     |
| 5962-9453603HXA                         | SD-14620DX-144                      | 1          | SYNCHRO TO DIGITAL CONVERTER, 11.8V, 400HZ    | DDC             | 19645     |
| 5962-9453603HYC                         | SD-14620FX-134                      | 1          | SYNCHRO TO DIGITAL CONVERTER, 11.8V, 400HZ    | DDC             | 19645     |
| 5962-9453603HXC                         | SD-14620DX-114                      | 1          | SYNCHRO TO DIGITAL CONVERTER, 11.8V, 400HZ    | DDC             | 19645     |
| 5962-9453603HXC                         | SD-14620DX-134                      | 1          | SYNCHRO TO DIGITAL CONVERTER, 11.8V, 400HZ    | DDC             | 19645     |
| 5962-9453603HXA                         | SD-14620DX-154                      | 1          | SYNCHRO TO DIGITAL CONVERTER, 11.8V, 400HZ    | DDC             | 19645     |
| 5962-9453603HYC                         | SD-14620FX-114                      | 1          | SYNCHRO TO DIGITAL CONVERTER, 11.8V, 400HZ    | DDC             | 19645     |
| 5962-9453603HYA                         | SD-14620FX-154                      | 1          | SYNCHRO TO DIGITAL CONVERTER, 11.8V, 400HZ    | DDC             | 19645     |
| 5962-9453603HYA                         | SD-14620FX-144                      | 1          | SYNCHRO TO DIGITAL CONVERTER, 11.8V, 400HZ    | DDC             | 19645     |
| 5962-9453604HYA                         | SD-14621FX-154                      | 1          | RESOLVER TO DIGITAL CONVERTER, 11.8V, 400HZ   | DDC             | 19645     |
| 5962-9453604HYA                         | SD-14621FX-144                      | 1          | RESOLVER TO DIGITAL CONVERTER, 11.8V, 400HZ   | DDC             | 19645     |
| 5962-9453604HYC                         | SD-14621FX-134                      | 1          | RESOLVER TO DIGITAL CONVERTER, 11.8V, 400HZ   | DDC             | 19645     |
| 5962-9453604HYC                         | SD-14621FX-114                      | 1          | RESOLVER TO DIGITAL CONVERTER, 11.8V, 400HZ   | DDC             | 19645     |
| 5962-9453604HXA                         | SD-14621DX-154                      | 1          | RESOLVER TO DIGITAL CONVERTER, 11.8V, 400HZ   | DDC             | 19645     |
| 5962-9453604HXA                         | SD-14621DX-144                      | 1          | RESOLVER TO DIGITAL CONVERTER, 11.8V, 400HZ   | DDC             | 19645     |
| 5962-9453604HXC                         | SD-14621DX-134                      | 1          | RESOLVER TO DIGITAL CONVERTER, 11.8V, 400HZ   | DDC             | 19645     |
| 5962-9453604HXC                         | SD-14621DX-114                      | 1          | RESOLVER TO DIGITAL CONVERTER, 11.8V, 400HZ   | DDC             | 19645     |
| 5962-9454301HXA                         | SD-14550DX-152                      | 1          | SYNCHRO/RESOLVER TO DIGITAL CONVERTER, 11.8 V | DDC             | 19645     |
| 5962-9454301HXA                         | SD-14550DX-142                      | 1          | SYNCHRO/RESOLVER TO DIGITAL CONVERTER, 11.8 V | DDC             | 19645     |
| 5962-9454301HXC                         | SD-14550DX-112                      | 1          | SYNCHRO/RESOLVER TO DIGITAL CONVERTER, 11.8 V | DDC             | 19645     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |   |                 |           |
|---|-------------------------------------|------------|---|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                      | Approved Source | CAGE Code |
| 5962-9454301HXC                         | SD-14550DX-132                      | 1          | SYNCHRO/RESOLVER TO DIGITAL CONVERTER, 11.8 V | DDC             | 19645     |
| 5962-9454302HXA                         | SD-14551DX-142                      | 1          | SYNCHRO/RESOLVER TO DIGITAL CONVERTER, 11.8 V | DDC             | 19645     |
| 5962-9454302HXC                         | SD-14551DX-132                      | 1          | SYNCHRO/RESOLVER TO DIGITAL CONVERTER, 11.8 V | DDC             | 19645     |
| 5962-9454302HXC                         | SD-14551DX-112                      | 1          | SYNCHRO/RESOLVER TO DIGITAL CONVERTER, 11.8 V | DDC             | 19645     |
| 5962-9454302HXA                         | SD-14551DX-152                      | 1          | SYNCHRO/RESOLVER TO DIGITAL CONVERTER, 11.8 V | DDC             | 19645     |
| 5962-9454303HXA                         | SD-14550DX-154                      | 1          | SYNCHRO/RESOLVER TO DIGITAL CONVERTER, 11.8 V | DDC             | 19645     |
| 5962-9454303HXA                         | SD-14550DX-144                      | 1          | SYNCHRO/RESOLVER TO DIGITAL CONVERTER, 11.8 V | DDC             | 19645     |
| 5962-9454303HXC                         | SD-14550DX-114                      | 1          | SYNCHRO/RESOLVER TO DIGITAL CONVERTER, 11.8 V | DDC             | 19645     |
| 5962-9454303HXC                         | SD-14550DX-134                      | 1          | SYNCHRO/RESOLVER TO DIGITAL CONVERTER, 11.8 V | DDC             | 19645     |
| 5962-9454304HXC                         | SD-14551DX-114                      | 1          | SYNCHRO/RESOLVER TO DIGITAL CONVERTER, 11.8 V | DDC             | 19645     |
| 5962-9454304HXA                         | SD-14551DX-144                      | 1          | SYNCHRO/RESOLVER TO DIGITAL CONVERTER, 11.8 V | DDC             | 19645     |
| 5962-9454304HXA                         | SD-14551DX-154                      | 1          | SYNCHRO/RESOLVER TO DIGITAL CONVERTER, 11.8 V | DDC             | 19645     |
| 5962-9454305HXC                         | SD-14551DX-601                      | 1          | SYNCHRO/RESOLVER TO DIGITAL CONVERTER, 6.8 V  | DDC             | 19645     |
| 5962-9454401HXA                         | SD-14552DX-152                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 90 V            | DDC             | 19645     |
| 5962-9454401HXC                         | SD-14552DX-112                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 90 V            | DDC             | 19645     |
| 5962-9454401HXC                         | SD-14552DX-132                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 90 V            | DDC             | 19645     |
| 5962-9454401HXA                         | SD-14552DX-142                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 90 V            | DDC             | 19645     |
| 5962-9454402HXA                         | SD-14554DX-152                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 90 V            | DDC             | 19645     |
| 5962-9454402HXA                         | SD-14554DX-142                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 90 V            | DDC             | 19645     |
| 5962-9454402HXC                         | SD-14554DX-132                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 90 V            | DDC             | 19645     |
| 5962-9454402HXC                         | SD-14554DX-112                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 90 V            | DDC             | 19645     |
| 5962-9454403HXC                         | SD-14552DX-114                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 90 V            | DDC             | 19645     |
| 5962-9454403HXC                         | SD-14552DX-134                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 90 V            | DDC             | 19645     |
| 5962-9454403HXA                         | SD-14552DX-154                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 90 V            | DDC             | 19645     |
| 5962-9454403HXA                         | SD-14552DX-144                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 90 V            | DDC             | 19645     |
| 5962-9454404HXA                         | SD-14554DX-154                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 90 V            | DDC             | 19645     |
| 5962-9454404HXC                         | SD-14554DX-114                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 90 V            | DDC             | 19645     |
| 5962-9454404HXC                         | SD-14554DX-134                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 90 V            | DDC             | 19645     |
| 5962-9454404HXA                         | SD-14554DX-144                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 90 V            | DDC             | 19645     |
| 5962-9454501HXC                         | SD-14553DX-112                      | 1          | RESOLVER CONVERTER, 2 VOLT, DIRECT            | DDC             | 19645     |
| 5962-9454501HXC                         | SD-14553DX-132                      | 1          | RESOLVER CONVERTER, 2 VOLT, DIRECT            | DDC             | 19645     |
| 5962-9454501HXA                         | SD-14553DX-152                      | 1          | RESOLVER CONVERTER, 2 VOLT, DIRECT            | DDC             | 19645     |
| 5962-9454501HXA                         | SD-14553DX-142                      | 1          | RESOLVER CONVERTER, 2 VOLT, DIRECT            | DDC             | 19645     |
| 5962-9454502HXA                         | SD-14553DX-154                      | 1          | RESOLVER CONVERTER, 2 VOLT, DIRECT            | DDC             | 19645     |
| 5962-9454502HXC                         | SD-14553DX-114                      | 1          | RESOLVER CONVERTER, 2 VOLT, DIRECT            | DDC             | 19645     |
| 5962-9454502HXA                         | SD-14553DX-144                      | 1          | RESOLVER CONVERTER, 2 VOLT, DIRECT            | DDC             | 19645     |
| 5962-9454502HXC                         | SD-14553DX-134                      | 1          | RESOLVER CONVERTER, 2 VOLT, DIRECT            | DDC             | 19645     |
| 5962-9454701HXC                         | SD-14622DX-112                      | 1          | SYNCHRO TO DIGITAL CONVERTER, 90V, 400HZ      | DDC             | 19645     |
| 5962-9454701HYC                         | SD-14622FX-132                      | 1          | SYNCHRO TO DIGITAL CONVERTER, 90V, 400HZ      | DDC             | 19645     |
| 5962-9454701HYC                         | SD-14622FX-112                      | 1          | SYNCHRO TO DIGITAL CONVERTER, 90V, 400HZ      | DDC             | 19645     |
| 5962-9454701HYA                         | SD-14622FX-152                      | 1          | SYNCHRO TO DIGITAL CONVERTER, 90V, 400HZ      | DDC             | 19645     |
| 5962-9454701HXA                         | SD-14622DX-152                      | 1          | SYNCHRO TO DIGITAL CONVERTER, 90V, 400HZ      | DDC             | 19645     |
| 5962-9454701HXA                         | SD-14622DX-142                      | 1          | SYNCHRO TO DIGITAL CONVERTER, 90V, 400HZ      | DDC             | 19645     |
| 5962-9454701HYA                         | SD-14622FX-142                      | 1          | SYNCHRO TO DIGITAL CONVERTER, 90V, 400HZ      | DDC             | 19645     |
| 5962-9454701HXC                         | SD-14622DX-132                      | 1          | SYNCHRO TO DIGITAL CONVERTER, 90V, 400HZ      | DDC             | 19645     |
| 5962-9454702HXA                         | SD-14624DX-152                      | 1          | SYNCHRO TO DIGITAL CONVERTER, 90V, 60HZ       | DDC             | 19645     |
| 5962-9454702HYA                         | SD-14624FX-142                      | 1          | SYNCHRO TO DIGITAL CONVERTER, 90V, 60HZ       | DDC             | 19645     |

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                         | Approved Source | CAGE Code |
| 5962-9454702HYC                         | SD-14624FX-132                      | 1          | SYNCHRO TO DIGITAL CONVERTER, 90V, 60HZ          | DDC             | 19645     |
| 5962-9454702HYC                         | SD-14624FX-112                      | 1          | SYNCHRO TO DIGITAL CONVERTER, 90V, 60HZ          | DDC             | 19645     |
| 5962-9454702HYA                         | SD-14624FX-152                      | 1          | SYNCHRO TO DIGITAL CONVERTER, 90V, 60HZ          | DDC             | 19645     |
| 5962-9454702HXA                         | SD-14624DX-142                      | 1          | SYNCHRO TO DIGITAL CONVERTER, 90V, 60HZ          | DDC             | 19645     |
| 5962-9454702HXC                         | SD-14624DX-132                      | 1          | SYNCHRO TO DIGITAL CONVERTER, 90V, 60HZ          | DDC             | 19645     |
| 5962-9454702HXC                         | SD-14624DX-112                      | 1          | SYNCHRO TO DIGITAL CONVERTER, 90V, 60HZ          | DDC             | 19645     |
| 5962-9454703HYC                         | SD-14622FX-134                      | 1          | SYNCHRO TO DIGITAL CONVERTER, 90V, 400HZ         | DDC             | 19645     |
| 5962-9454703HYC                         | SD-14622FX-114                      | 1          | SYNCHRO TO DIGITAL CONVERTER, 90V, 400HZ         | DDC             | 19645     |
| 5962-9454703HXA                         | SD-14622DX-154                      | 1          | SYNCHRO TO DIGITAL CONVERTER, 90V, 400HZ         | DDC             | 19645     |
| 5962-9454703HXA                         | SD-14622DX-144                      | 1          | SYNCHRO TO DIGITAL CONVERTER, 90V, 400HZ         | DDC             | 19645     |
| 5962-9454703HXC                         | SD-14622DX-134                      | 1          | SYNCHRO TO DIGITAL CONVERTER, 90V, 400HZ         | DDC             | 19645     |
| 5962-9454703HXC                         | SD-14622DX-114                      | 1          | SYNCHRO TO DIGITAL CONVERTER, 90V, 400HZ         | DDC             | 19645     |
| 5962-9454703HYA                         | SD-14622FX-154                      | 1          | SYNCHRO TO DIGITAL CONVERTER, 90V, 400HZ         | DDC             | 19645     |
| 5962-9454703HYA                         | SD-14622FX-144                      | 1          | SYNCHRO TO DIGITAL CONVERTER, 90V, 400HZ         | DDC             | 19645     |
| 5962-9454704HXC                         | SD-14624DX-134                      | 1          | SYNCHRO TO DIGITAL CONVERTER, 90V, 60HZ          | DDC             | 19645     |
| 5962-9454704HXC                         | SD-14624DX-114                      | 1          | SYNCHRO TO DIGITAL CONVERTER, 90V, 60HZ          | DDC             | 19645     |
| 5962-9454704HXA                         | SD-14624DX-144                      | 1          | SYNCHRO TO DIGITAL CONVERTER, 90V, 60HZ          | DDC             | 19645     |
| 5962-9454704HXA                         | SD-14624DX-154                      | 1          | SYNCHRO TO DIGITAL CONVERTER, 90V, 60HZ          | DDC             | 19645     |
| 5962-9454704HYC                         | SD-14624FX-114                      | 1          | SYNCHRO TO DIGITAL CONVERTER, 90V, 60HZ          | DDC             | 19645     |
| 5962-9454704HYC                         | SD-14624FX-134                      | 1          | SYNCHRO TO DIGITAL CONVERTER, 90V, 60HZ          | DDC             | 19645     |
| 5962-9454704HYA                         | SD-14624FX-144                      | 1          | SYNCHRO TO DIGITAL CONVERTER, 90V, 60HZ          | DDC             | 19645     |
| 5962-9454704HYA                         | SD-14624FX-154                      | 1          | SYNCHRO TO DIGITAL CONVERTER, 90V, 60HZ          | DDC             | 19645     |
| 5962-9454801HXA                         | SD-14623DX-152                      | 1          | RESOLVER TO DIGITAL CONVERTER, DIRECT, 2V        | DDC             | 19645     |
| 5962-9454801HXC                         | SD-14623DX-132                      | 1          | RESOLVER TO DIGITAL CONVERTER, DIRECT, 2V        | DDC             | 19645     |
| 5962-9454801HYA                         | SD-14623FX-142                      | 1          | RESOLVER TO DIGITAL CONVERTER, DIRECT, 2V        | DDC             | 19645     |
| 5962-9454801HYC                         | SD-14623FX-132                      | 1          | RESOLVER TO DIGITAL CONVERTER, DIRECT, 2V        | DDC             | 19645     |
| 5962-9454801HYC                         | SD-14623FX-112                      | 1          | RESOLVER TO DIGITAL CONVERTER, DIRECT, 2V        | DDC             | 19645     |
| 5962-9454801HXA                         | SD-14623DX-142                      | 1          | RESOLVER TO DIGITAL CONVERTER, DIRECT, 2V        | DDC             | 19645     |
| 5962-9454801HYA                         | SD-14623FX-152                      | 1          | RESOLVER TO DIGITAL CONVERTER, DIRECT, 2V        | DDC             | 19645     |
| 5962-9454801HXC                         | SD-14623DX-112                      | 1          | RESOLVER TO DIGITAL CONVERTER, DIRECT, 2V        | DDC             | 19645     |
| 5962-9454802HYA                         | SD-14623FX-144                      | 1          | RESOLVER TO DIGITAL CONVERTER, DIRECT, 2V        | DDC             | 19645     |
| 5962-9454802HXA                         | SD-14623DX-154                      | 1          | RESOLVER TO DIGITAL CONVERTER, DIRECT, 2V        | DDC             | 19645     |
| 5962-9454802HYA                         | SD-14623FX-154                      | 1          | RESOLVER TO DIGITAL CONVERTER, DIRECT, 2V        | DDC             | 19645     |
| 5962-9454802HYC                         | SD-14623FX-134                      | 1          | RESOLVER TO DIGITAL CONVERTER, DIRECT, 2V        | DDC             | 19645     |
| 5962-9454802HXC                         | SD-14623DX-114                      | 1          | RESOLVER TO DIGITAL CONVERTER, DIRECT, 2V        | DDC             | 19645     |
| 5962-9454802HYC                         | SD-14623FX-114                      | 1          | RESOLVER TO DIGITAL CONVERTER, DIRECT, 2V        | DDC             | 19645     |
| 5962-9454802HXA                         | SD-14623DX-144                      | 1          | RESOLVER TO DIGITAL CONVERTER, DIRECT, 2V        | DDC             | 19645     |
| 5962-9454802HXC                         | SD-14623DX-134                      | 1          | RESOLVER TO DIGITAL CONVERTER, DIRECT, 2V        | DDC             | 19645     |
| 5962-9456301HXC                         | AHF2815S/CH                         | 1          | DC/DC CONVERTER, SINGLE-CHANNEL, 12W, 15V OUTPUT | IR Santa Clara  | 52467     |
| 5962-9456301HZC                         | AHF2815SF/CH                        | 1          | DC/DC CONVERTER, SINGLE-CHANNEL, 12W, 15V OUTPUT | IR Santa Clara  | 52467     |
| 5962-9456301HZA                         | AHF2815SF/CH                        | 1          | DC/DC CONVERTER, SINGLE-CHANNEL, 12W, 15V OUTPUT | IR Santa Clara  | 52467     |
| 5962-9456301HXA                         | AHF2815S/CH                         | 1          | DC/DC CONVERTER, SINGLE-CHANNEL, 12W, 15V OUTPUT | IR Santa Clara  | 52467     |
| 5962-9456801HXA                         | AHF2812S/CH                         | 1          | DC/DC CONVERTER, 12W, 12V OUTPUT                 | IR Santa Clara  | 52467     |
| 5962-9456801HZC                         | AHF2812SF/CH                        | 1          | DC/DC CONVERTER, 12W, 12V OUTPUT                 | IR Santa Clara  | 52467     |
| 5962-9456801HZA                         | AHF2812SF/CH                        | 1          | DC/DC CONVERTER, 12W, 12V OUTPUT                 | IR Santa Clara  | 52467     |
| 5962-9456801HXC                         | AHF2812S/CH                         | 1          | DC/DC CONVERTER, 12W, 12V OUTPUT                 | IR Santa Clara  | 52467     |
| 5962-9456901HUC                         | AFL27005SW/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5 VOLT, HYBRID  | IR Santa Clara  | 52467     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |   |                 |           |
|---|-------------------------------------|------------|---|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                              | Approved Source | CAGE Code |
| 5962-9456901HZC                         | AFL27005SZ/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5 VOLT, HYBRID       | IR Santa Clara  | 52467     |
| 5962-9456901HZA                         | AFL27005SZ/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5 VOLT, HYBRID       | IR Santa Clara  | 52467     |
| 5962-9456901HUA                         | AFL27005SW/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5 VOLT, HYBRID       | IR Santa Clara  | 52467     |
| 5962-9456901HYC                         | AFL27005SY/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5 VOLT, HYBRID       | IR Santa Clara  | 52467     |
| 5962-9456901HYA                         | AFL27005SY/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5 VOLT, HYBRID       | IR Santa Clara  | 52467     |
| 5962-9456901HXC                         | AFL27005SX/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5 VOLT, HYBRID       | IR Santa Clara  | 52467     |
| 5962-9456901HXA                         | AFL27005SX/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5 VOLT, HYBRID       | IR Santa Clara  | 52467     |
| 5962-9457001HZC                         | AFL27015SZ/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 15 VOLT, HYBRID      | IR Santa Clara  | 52467     |
| 5962-9457001HYC                         | AFL27015SY/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 15 VOLT, HYBRID      | IR Santa Clara  | 52467     |
| 5962-9457001HUC                         | AFL27015SW/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 15 VOLT, HYBRID      | IR Santa Clara  | 52467     |
| 5962-9457001HXA                         | AFL27015SX/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 15 VOLT, HYBRID      | IR Santa Clara  | 52467     |
| 5962-9457001HXC                         | AFL27015SX/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 15 VOLT, HYBRID      | IR Santa Clara  | 52467     |
| 5962-9457001HYA                         | AFL27015SY/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 15 VOLT, HYBRID      | IR Santa Clara  | 52467     |
| 5962-9457001HUA                         | AFL27015SW/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 15 VOLT, HYBRID      | IR Santa Clara  | 52467     |
| 5962-9457001HZA                         | AFL27015SZ/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 15 VOLT, HYBRID      | IR Santa Clara  | 52467     |
| 5962-9458501HNC                         | WE128K32-300G4Q                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 300 NS ACCESS TIME | White           | 54230     |
| 5962-9458501HXC                         | WE128K32-300HQ                      | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 300 NS ACCESS TIME | White           | 54230     |
| 5962-9458501HBA                         | WE128K32-300G1TQ                    | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 300 NS ACCESS TIME | White           | 54230     |
| 5962-9458501HBC                         | WE128K32-300G1TQ                    | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 300 NS ACCESS TIME | White           | 54230     |
| 5962-9458501H9A                         | WE128K32-300G1UQ                    | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 300 NS ACCESS TIME | White           | 54230     |
| 5962-9458501H9C                         | WE128K32-300G1UQ                    | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 300 NS ACCESS TIME | White           | 54230     |
| 5962-9458501HYA                         | WE128K32-300HQ                      | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 300 NS ACCESS TIME | White           | 54230     |
| 5962-9458501HMC                         | WE128K32-300G2Q                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 300 NS ACCESS TIME | White           | 54230     |
| 5962-9458501HTA                         | WE128K32N-300HQ                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 300 NS ACCESS TIME | White           | 54230     |
| 5962-9458501H5A                         | WE128K32-300H1Q                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 300 NS ACCESS TIME | White           | 54230     |
| 5962-9458501H5C                         | WE128K32-300H1Q                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 300 NS ACCESS TIME | White           | 54230     |
| 5962-9458501HXA                         | WE128K32-300HQ                      | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 300 NS ACCESS TIME | White           | 54230     |
| 5962-9458501HMA                         | WE128K32-300G2Q                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 300 NS ACCESS TIME | White           | 54230     |
| 5962-9458501HYC                         | WE128K32-300HQ                      | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 300 NS ACCESS TIME | White           | 54230     |
| 5962-9458501HUA                         | WE128K32N-300HQ                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 300 NS ACCESS TIME | White           | 54230     |
| 5962-9458501HTC                         | WE128K32N-300HQ                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 300 NS ACCESS TIME | White           | 54230     |
| 5962-9458501H4A                         | WE128K32N-300H1Q                    | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 300 NS ACCESS TIME | White           | 54230     |
| 5962-9458501H4C                         | WE128K32N-300H1Q                    | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 300 NS ACCESS TIME | White           | 54230     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |   |                 |           |
|---|-------------------------------------|------------|---|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                              | Approved Source | CAGE Code |
| 5962-9458501HMA                         | ACT-E128K32N-300F2                  | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 300 NS ACCESS TIME | Aeroflex        | 88379     |
| 5962-9458501H4C                         | ACT-E128K32N-300P7                  | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 300 NS ACCESS TIME | Aeroflex        | 88379     |
| 5962-9458501H4A                         | ACT-E128K32N-300P7                  | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 300 NS ACCESS TIME | Aeroflex        | 88379     |
| 5962-9458501HMC                         | ACT-E128K32N-300F2                  | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 300 NS ACCESS TIME | Aeroflex        | 88379     |
| 5962-9458501H6A                         | WE128K32NP-300H1Q                   | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 300 NS ACCESS TIME | White           | 54230     |
| 5962-9458501H6C                         | WE128K32NP-300H1Q                   | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 300 NS ACCESS TIME | White           | 54230     |
| 5962-9458501H5C                         | ACT-E128K32C-300P7                  | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 300 NS ACCESS TIME | Aeroflex        | 88379     |
| 5962-9458501H5A                         | ACT-E128K32C-300P7                  | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 300 NS ACCESS TIME | Aeroflex        | 88379     |
| 5962-9458501HUC                         | WE128K32N-300HQ                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 300 NS ACCESS TIME | White           | 54230     |
| 5962-9458501H5A                         | AS8E128K32P-300/883C                | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 300 NS ACCESS TIME | Micros Comp,    | 0EU86     |
| 5962-9458501HMC                         | AS8E128K32Q-300/883C                | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 300 NS ACCESS TIME | Micros Comp,    | 0EU86     |
| 5962-9458501HMA                         | AS8E128K32Q-300/883C                | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 300 NS ACCESS TIME | Micros Comp,    | 0EU86     |
| 5962-9458501H4C                         | AS8E128K32PN-300/883                | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 300 NS ACCESS TIME | Micros Comp,    | 0EU86     |
| 5962-9458501H4A                         | AS8E128K32PN-300/883                | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 300 NS ACCESS TIME | Micros Comp,    | 0EU86     |
| 5962-9458501H5C                         | AS8E128K32P-300/883C                | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 300 NS ACCESS TIME | Micros Comp,    | 0EU86     |
| 5962-9458502HNC                         | WE128K32-250G4Q                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 250 NS ACCESS TIME | White           | 54230     |
| 5962-9458502H4C                         | WE128K32N-250H1Q                    | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 250 NS ACCESS TIME | White           | 54230     |
| 5962-9458502HTA                         | WE128K32N-250HQ                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 250 NS ACCESS TIME | White           | 54230     |
| 5962-9458502HTC                         | WE128K32N-250HQ                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 250 NS ACCESS TIME | White           | 54230     |
| 5962-9458502H6C                         | WE128K32NP-250H1Q                   | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 250 NS ACCESS TIME | White           | 54230     |
| 5962-9458502H4A                         | WE128K32N-250H1Q                    | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 250 NS ACCESS TIME | White           | 54230     |
| 5962-9458502H6A                         | WE128K32NP-250H1Q                   | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 250 NS ACCESS TIME | White           | 54230     |
| 5962-9458502HUC                         | WE128K32N-250HQ                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 250 NS ACCESS TIME | White           | 54230     |
| 5962-9458502HYC                         | WE128K32-250HQ                      | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 250 NS ACCESS TIME | White           | 54230     |
| 5962-9458502HYA                         | WE128K32-250HQ                      | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 250 NS ACCESS TIME | White           | 54230     |
| 5962-9458502HXC                         | WE128K32-250HQ                      | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 250 NS ACCESS TIME | White           | 54230     |
| 5962-9458502HXA                         | WE128K32-250HQ                      | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 250 NS ACCESS TIME | White           | 54230     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |   |                 |           |
|---|-------------------------------------|------------|---|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                              | Approved Source | CAGE Code |
| 5962-9458502H4A                         | ACT-E128K32N-250P7                  | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 250 NS ACCESS TIME | Aeroflex        | 88379     |
| 5962-9458502H5A                         | WE128K32-250H1Q                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 250 NS ACCESS TIME | White           | 54230     |
| 5962-9458502H5A                         | ACT-E128K32C-250P7                  | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 250 NS ACCESS TIME | Aeroflex        | 88379     |
| 5962-9458502HMC                         | WE128K32-250G2Q                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 250 NS ACCESS TIME | White           | 54230     |
| 5962-9458502HMA                         | WE128K32-250G2Q                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 250 NS ACCESS TIME | White           | 54230     |
| 5962-9458502H9C                         | WE128K32-250G1UQ                    | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 250 NS ACCESS TIME | White           | 54230     |
| 5962-9458502H9A                         | WE128K32-250G1UQ                    | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 250 NS ACCESS TIME | White           | 54230     |
| 5962-9458502HBC                         | WE128K32-250G1TQ                    | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 250 NS ACCESS TIME | White           | 54230     |
| 5962-9458502HBA                         | WE128K32-250G1TQ                    | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 250 NS ACCESS TIME | White           | 54230     |
| 5962-9458502HMA                         | ACT-E128K32N-250F2                  | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 250 NS ACCESS TIME | Aeroflex        | 88379     |
| 5962-9458502H4C                         | ACT-E128K32N-250P7                  | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 250 NS ACCESS TIME | Aeroflex        | 88379     |
| 5962-9458502HMC                         | ACT-E128K32N-250F2                  | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 250 NS ACCESS TIME | Aeroflex        | 88379     |
| 5962-9458502HUA                         | WE128K32N-250HQ                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 250 NS ACCESS TIME | White           | 54230     |
| 5962-9458502H5C                         | ACT-E128K32C-250P7                  | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 250 NS ACCESS TIME | Aeroflex        | 88379     |
| 5962-9458502H5C                         | WE128K32-250H1Q                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 250 NS ACCESS TIME | White           | 54230     |
| 5962-9458502HMA                         | AS8E128K32Q-250/883C                | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 250 NS ACCESS TIME | Micros Comp,    | 0EU86     |
| 5962-9458502H5A                         | AS8E128K32P-250/883C                | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 250 NS ACCESS TIME | Micros Comp,    | 0EU86     |
| 5962-9458502H4C                         | AS8E128K32PN-250/883                | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 250 NS ACCESS TIME | Micros Comp,    | 0EU86     |
| 5962-9458502HMC                         | AS8E128K32Q-250/883C                | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 250 NS ACCESS TIME | Micros Comp,    | 0EU86     |
| 5962-9458502H5C                         | AS8E128K32P-250/883C                | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 250 NS ACCESS TIME | Micros Comp,    | 0EU86     |
| 5962-9458502H4A                         | AS8E128K32PN-250/883                | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 250 NS ACCESS TIME | Micros Comp,    | 0EU86     |
| 5962-9458503H5C                         | WE128K32-200H1Q                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 200 NS ACCESS TIME | White           | 54230     |
| 5962-9458503H5A                         | WE128K32-200H1Q                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 200 NS ACCESS TIME | White           | 54230     |
| 5962-9458503HNC                         | WE128K32-200G4Q                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 200 NS ACCESS TIME | White           | 54230     |
| 5962-9458503HMA                         | WE128K32-200G2Q                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 200 NS ACCESS TIME | White           | 54230     |
| 5962-9458503H9C                         | WE128K32-200G1UQ                    | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 200 NS ACCESS TIME | White           | 54230     |
| 5962-9458503H9A                         | WE128K32-200G1UQ                    | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 200 NS ACCESS TIME | White           | 54230     |



Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |   |                 |           |
|---|-------------------------------------|------------|---|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                              | Approved Source | CAGE Code |
| 5962-9458503HBC                         | WE128K32-200G1TQ                    | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 200 NS ACCESS TIME | White           | 54230     |
| 5962-9458503HBA                         | WE128K32-200G1TQ                    | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 200 NS ACCESS TIME | White           | 54230     |
| 5962-9458503HMC                         | WE128K32-200G2Q                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 200 NS ACCESS TIME | White           | 54230     |
| 5962-9458503HXA                         | WE128K32-200HQ                      | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 200 NS ACCESS TIME | White           | 54230     |
| 5962-9458503HTC                         | WE128K32N-200HQ                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 200 NS ACCESS TIME | White           | 54230     |
| 5962-9458503H6C                         | WE128K32NP-200H1Q                   | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 200 NS ACCESS TIME | White           | 54230     |
| 5962-9458503H6A                         | WE128K32NP-200H1Q                   | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 200 NS ACCESS TIME | White           | 54230     |
| 5962-9458503HUC                         | WE128K32N-200HQ                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 200 NS ACCESS TIME | White           | 54230     |
| 5962-9458503HTA                         | WE128K32N-200HQ                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 200 NS ACCESS TIME | White           | 54230     |
| 5962-9458503HUA                         | WE-128K32N-200HQ                    | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 200 NS ACCESS TIME | White           | 54230     |
| 5962-9458503H4C                         | WE128K32N-200H1Q                    | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 200 NS ACCESS TIME | White           | 54230     |
| 5962-9458503H4A                         | WE128K32N-200H1Q                    | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 200 NS ACCESS TIME | White           | 54230     |
| 5962-9458503HYC                         | WE128K32-200HQ                      | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 200 NS ACCESS TIME | White           | 54230     |
| 5962-9458503HXC                         | WE128K32-200HQ                      | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 200 NS ACCESS TIME | White           | 54230     |
| 5962-9458503H4C                         | ACT-E128K32N-200P7                  | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 200 NS ACCESS TIME | Aeroflex        | 88379     |
| 5962-9458503H4A                         | ACT-E128K32N-200P7                  | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 200 NS ACCESS TIME | Aeroflex        | 88379     |
| 5962-9458503HMC                         | ACT-E128K32N-200F2                  | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 200 NS ACCESS TIME | Aeroflex        | 88379     |
| 5962-9458503HMA                         | ACT-E128K32N-200F2                  | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 200 NS ACCESS TIME | Aeroflex        | 88379     |
| 5962-9458503H5C                         | ACT-E128K32C-200P7                  | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 200 NS ACCESS TIME | Aeroflex        | 88379     |
| 5962-9458503HYA                         | WE128K32-200HQ                      | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 200 NS ACCESS TIME | White           | 54230     |
| 5962-9458503H5A                         | ACT-E128K32C-200P7                  | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 200 NS ACCESS TIME | Aeroflex        | 88379     |
| 5962-9458503H5A                         | AS8E128K32P-200/883C                | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 200 NS ACCESS TIME | Micros Comp,    | 0EU86     |
| 5962-9458503H4A                         | AS8E128K32PN-200/883                | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 200 NS ACCESS TIME | Micros Comp,    | 0EU86     |
| 5962-9458503H5C                         | AS8E128K32P-200/883                 | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 200 NS ACCESS TIME | Micros Comp,    | 0EU86     |
| 5962-9458503H4C                         | AS8E128K32PN-200/883                | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 200 NS ACCESS TIME | Micros Comp,    | 0EU86     |
| 5962-9458503HMC                         | AS8E128K32Q-200/883C                | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 200 NS ACCESS TIME | Micros Comp,    | 0EU86     |
| 5962-9458503HMA                         | AS8E128K32Q-200/883C                | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 200 NS ACCESS TIME | Micros Comp,    | 0EU86     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |   |                 |           |
|---|-------------------------------------|------------|---|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                              | Approved Source | CAGE Code |
| 5962-9458504H9C                         | WE128K32-150G1UQ                    | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 150 NS ACCESS TIME | White           | 54230     |
| 5962-9458504HMA                         | WE128K32-150G2Q                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 150 NS ACCESS TIME | White           | 54230     |
| 5962-9458504HMC                         | WE128K32-150G2Q                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 150 NS ACCESS TIME | White           | 54230     |
| 5962-9458504HNC                         | WE128K32-150G4Q                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 150 NS ACCESS TIME | White           | 54230     |
| 5962-9458504H5A                         | WE128K32-150H1Q                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 150 NS ACCESS TIME | White           | 54230     |
| 5962-9458504H5C                         | WE128K32-150H1Q                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 150 NS ACCESS TIME | White           | 54230     |
| 5962-9458504HMA                         | ACT-E128K32N-150F2                  | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 150 NS ACCESS TIME | Aeroflex        | 88379     |
| 5962-9458504HUA                         | WE128K32N-150HQ                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 150 NS ACCESS TIME | White           | 54230     |
| 5962-9458504H4A                         | ACT-E128K32N-150P7                  | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 150 NS ACCESS TIME | Aeroflex        | 88379     |
| 5962-9458504H4C                         | ACT-E128K32N-150P7                  | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 150 NS ACCESS TIME | Aeroflex        | 88379     |
| 5962-9458504H9A                         | WE128K32-150G1UQ                    | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 150 NS ACCESS TIME | White           | 54230     |
| 5962-9458504H6A                         | WE128K32NP-150H1Q                   | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 150 NS ACCESS TIME | White           | 54230     |
| 5962-9458504HXA                         | WE128K32-150HQ                      | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 150 NS ACCESS TIME | White           | 54230     |
| 5962-9458504HXC                         | WE128K32-150HQ                      | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 150 NS ACCESS TIME | White           | 54230     |
| 5962-9458504H5C                         | ACT-E128K32C-150P7                  | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 150 NS ACCESS TIME | Aeroflex        | 88379     |
| 5962-9458504H5A                         | ACT-E128K32C-150P7                  | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 150 NS ACCESS TIME | Aeroflex        | 88379     |
| 5962-9458504HUC                         | WE128K32N-150HQ                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 150 NS ACCESS TIME | White           | 54230     |
| 5962-9458504H4A                         | WE128K32N-150H1Q                    | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 150 NS ACCESS TIME | White           | 54230     |
| 5962-9458504H4C                         | WE128K32N-150H1Q                    | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 150 NS ACCESS TIME | White           | 54230     |
| 5962-9458504HTA                         | WE128K32N-150HQ                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 150 NS ACCESS TIME | White           | 54230     |
| 5962-9458504HTC                         | WE128K32N-150HQ                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 150 NS ACCESS TIME | White           | 54230     |
| 5962-9458504H6C                         | WE128K32NP-150H1Q                   | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 150 NS ACCESS TIME | White           | 54230     |
| 5962-9458504HBA                         | WE128K32-150G1TQ                    | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 150 NS ACCESS TIME | White           | 54230     |
| 5962-9458504HYA                         | WE128K32-150HQ                      | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 150 NS ACCESS TIME | White           | 54230     |
| 5962-9458504HYC                         | WE128K32-150HQ                      | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 150 NS ACCESS TIME | White           | 54230     |
| 5962-9458504HBC                         | WE128K32-150G1TQ                    | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 150 NS ACCESS TIME | White           | 54230     |
| 5962-9458504HMC                         | ACT-E128K32N-150F2                  | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 150 NS ACCESS TIME | Aeroflex        | 88379     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |   |                 |           |
|---|-------------------------------------|------------|---|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                              | Approved Source | CAGE Code |
| 5962-9458504H5A                         | AS8E128K32P-150/883C                | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 150 NS ACCESS TIME | Micros Comp,    | 0EU86     |
| 5962-9458504H4C                         | AS8E128K32PN-150/883                | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 150 NS ACCESS TIME | Micros Comp,    | 0EU86     |
| 5962-9458504H4A                         | AS8E128K32PN-150/883                | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 150 NS ACCESS TIME | Micros Comp,    | 0EU86     |
| 5962-9458504HMC                         | AS8E128K32Q-150/883C                | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 150 NS ACCESS TIME | Micros Comp,    | 0EU86     |
| 5962-9458504H5C                         | AS8E128K32P-150/883C                | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 150 NS ACCESS TIME | Micros Comp,    | 0EU86     |
| 5962-9458504HMA                         | AS8E128K32Q-150/883C                | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 150 NS ACCESS TIME | Micros Comp,    | 0EU86     |
| 5962-9458505HTA                         | WE128K32N-140HQ                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 140 NS ACCESS TIME | White           | 54230     |
| 5962-9458505H4A                         | ACT-E128K32N-140P7                  | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 140 NS ACCESS TIME | Aeroflex        | 88379     |
| 5962-9458505H4C                         | ACT-E128K32N-140P7                  | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 140 NS ACCESS TIME | Aeroflex        | 88379     |
| 5962-9458505HUC                         | WE128K32N-140HQ                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 140 NS ACCESS TIME | White           | 54230     |
| 5962-9458505H4C                         | WE128K32N-140H1Q                    | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 140 NS ACCESS TIME | White           | 54230     |
| 5962-9458505HTC                         | WE128K32N-140HQ                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 140 NS ACCESS TIME | White           | 54230     |
| 5962-9458505HBC                         | WE128K32-140G1TQ                    | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 140 NS ACCESS TIME | White           | 54230     |
| 5962-9458505H5A                         | ACT-E128K32C-140P7                  | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 140 NS ACCESS TIME | Aeroflex        | 88379     |
| 5962-9458505H5C                         | ACT-E128K32C-140P7                  | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 140 NS ACCESS TIME | Aeroflex        | 88379     |
| 5962-9458505H4A                         | WE128K32N-140H1Q                    | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 140 NS ACCESS TIME | White           | 54230     |
| 5962-9458505HUA                         | WE128K32N-140HQ                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 140 NS ACCESS TIME | White           | 54230     |
| 5962-9458505HNC                         | WE128K32-140G4Q                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 140 NS ACCESS TIME | White           | 54230     |
| 5962-9458505HYC                         | WE128K32-140HQ                      | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 140 NS ACCESS TIME | White           | 54230     |
| 5962-9458505HYA                         | WE128K32-140HQ                      | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 140 NS ACCESS TIME | White           | 54230     |
| 5962-9458505HXC                         | WE128K32-140HQ                      | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 140 NS ACCESS TIME | White           | 54230     |
| 5962-9458505HXA                         | WE128K32-140HQ                      | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 140 NS ACCESS TIME | White           | 54230     |
| 5962-9458505H5C                         | WE128K32-140H1Q                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 140 NS ACCESS TIME | White           | 54230     |
| 5962-9458505HBA                         | WE128K32-140G1TQ                    | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 140 NS ACCESS TIME | White           | 54230     |
| 5962-9458505H5A                         | WE128K32-140H1Q                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 140 NS ACCESS TIME | White           | 54230     |
| 5962-9458505H6C                         | WE128K32NP-140H1Q                   | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 140 NS ACCESS TIME | White           | 54230     |
| 5962-9458505HMC                         | WE128K32-140G2Q                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 140 NS ACCESS TIME | White           | 54230     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |   |                 |           |
|---|-------------------------------------|------------|---|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                              | Approved Source | CAGE Code |
| 5962-9458505HMA                         | WE128K32-140G2Q                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 140 NS ACCESS TIME | White           | 54230     |
| 5962-9458505HMC                         | ACT-E128K32N-140F2                  | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 140 NS ACCESS TIME | Aeroflex        | 88379     |
| 5962-9458505H9C                         | WE128K32-140G1UQ                    | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 140 NS ACCESS TIME | White           | 54230     |
| 5962-9458505H9A                         | WE128K32-140G1UQ                    | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 140 NS ACCESS TIME | White           | 54230     |
| 5962-9458505H6A                         | WE128K32NP-140H1Q                   | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 140 NS ACCESS TIME | White           | 54230     |
| 5962-9458505HMA                         | ACT-E128K32N-140F2                  | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 140 NS ACCESS TIME | Aeroflex        | 88379     |
| 5962-9458505HMA                         | AS8E128K32Q-140/883C                | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 140 NS ACCESS TIME | Micros Comp,    | 0EU86     |
| 5962-9458505HMC                         | AS8E128K32Q-140/883C                | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 140 NS ACCESS TIME | Micros Comp,    | 0EU86     |
| 5962-9458505H5C                         | AS8E128K32P-140/883C                | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 140 NS ACCESS TIME | Micros Comp,    | 0EU86     |
| 5962-9458505H5A                         | AS8E128K32P-140/883C                | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 140 NS ACCESS TIME | Micros Comp,    | 0EU86     |
| 5962-9458505H4A                         | AS8E128K32PN-140/883                | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 140 NS ACCESS TIME | Micros Comp,    | 0EU86     |
| 5962-9458505H4C                         | AS8E128K32PN-140/883                | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 140 NS ACCESS TIME | Micros Comp,    | 0EU86     |
| 5962-9458506H5A                         | WE128K32-120H1Q                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 120 NS ACCESS TIME | White           | 54230     |
| 5962-9458506H5C                         | ACT-E128K32C-120P7                  | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 120 NS ACCESS TIME | Aeroflex        | 88379     |
| 5962-9458506H5A                         | ACT-E128K32C-120P7                  | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 120 NS ACCESS TIME | Aeroflex        | 88379     |
| 5962-9458506H6A                         | WE128K32NP-120H1Q                   | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 120 NS ACCESS TIME | White           | 54230     |
| 5962-9458506HNC                         | WE128K32-120G4Q                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 120 NS ACCESS TIME | White           | 54230     |
| 5962-9458506HMC                         | WE128K32-120G2Q                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 120 NS ACCESS TIME | White           | 54230     |
| 5962-9458506HMA                         | WE128K32-120G2Q                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 120 NS ACCESS TIME | White           | 54230     |
| 5962-9458506HTC                         | WE128K32N-120HQ                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 120 NS ACCESS TIME | White           | 54230     |
| 5962-9458506H6C                         | WE128K32NP-120H1Q                   | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 120 NS ACCESS TIME | White           | 54230     |
| 5962-9458506H4A                         | ACT-E128K32N-120P7                  | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 120 NS ACCESS TIME | Aeroflex        | 88379     |
| 5962-9458506H5C                         | WE128K32-120H1Q                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 120 NS ACCESS TIME | White           | 54230     |
| 5962-9458506HXA                         | WE128K32-120HQ                      | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 120 NS ACCESS TIME | White           | 54230     |
| 5962-9458506HXC                         | WE128K32-120HQ                      | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 120 NS ACCESS TIME | White           | 54230     |
| 5962-9458506HYA                         | WE128K32-120HQ                      | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 120 NS ACCESS TIME | White           | 54230     |
| 5962-9458506H9C                         | WE128K32-120G1UQ                    | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 120 NS ACCESS TIME | White           | 54230     |

**Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing**

**PRODUCT ELIGIBILITY:** The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

**DLA Land and Maritime - VQ**

**Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH**

**Approved Source Master Product Listing**

| Sorted by Standard Microcircuit Drawing |                                     |            |   |                 |           |
|---|-------------------------------------|------------|---|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                              | Approved Source | CAGE Code |
| 5962-9458506HYC                         | WE128K32-120HQ                      | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 120 NS ACCESS TIME | White           | 54230     |
| 5962-9458506HUC                         | WE128K32N-120HQ                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 120 NS ACCESS TIME | White           | 54230     |
| 5962-9458506HMC                         | ACT-E128K32N-120F2                  | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 120 NS ACCESS TIME | Aeroflex        | 88379     |
| 5962-9458506HMA                         | ACT-E128K32N-120F2                  | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 120 NS ACCESS TIME | Aeroflex        | 88379     |
| 5962-9458506H4A                         | WE128K32N-120H1Q                    | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 120 NS ACCESS TIME | White           | 54230     |
| 5962-9458506HBA                         | WE128K32-120G1TQ                    | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 120 NS ACCESS TIME | White           | 54230     |
| 5962-9458506HTA                         | WE128K32N-120HQ                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 120 NS ACCESS TIME | White           | 54230     |
| 5962-9458506HBC                         | WE128K32-120G1TQ                    | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 120 NS ACCESS TIME | White           | 54230     |
| 5962-9458506H4C                         | ACT-E128K32N-120P7                  | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 120 NS ACCESS TIME | Aeroflex        | 88379     |
| 5962-9458506HUA                         | WE128K32N-120HQ                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 120 NS ACCESS TIME | White           | 54230     |
| 5962-9458506H9A                         | WE128K32-120G1UQ                    | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 120 NS ACCESS TIME | White           | 54230     |
| 5962-9458506H4C                         | WE128K32N-120H1Q                    | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 120 NS ACCESS TIME | White           | 54230     |
| 5962-9458506HMA                         | AS8E128K32Q-120/883C                | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 120 NS ACCESS TIME | Micross Comp,   | 0EU86     |
| 5962-9458506H4C                         | AS8E128K32PN-120/883                | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 120 NS ACCESS TIME | Micross Comp,   | 0EU86     |
| 5962-9458506HMC                         | AS8E128K32Q-120/883C                | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 120 NS ACCESS TIME | Micross Comp,   | 0EU86     |
| 5962-9458506H4A                         | AS8E128K32PN-120/883                | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 120 NS ACCESS TIME | Micross Comp,   | 0EU86     |
| 5962-9458506H5A                         | AS8E128K32P-120/883C                | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 120 NS ACCESS TIME | Micross Comp,   | 0EU86     |
| 5962-9458506H5C                         | AS8E128K32P-120/883C                | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 120 NS ACCESS TIME | Micross Comp,   | 0EU86     |
| 5962-9458507HMA                         | AS8ER128K32Q-250/883                | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 250 NS ACCESS TIME | Micross Comp,   | 0EU86     |
| 5962-9458507HZC                         | AS8ER128K32QB-250/88                | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 250 NS ACCESS TIME | Micross Comp,   | 0EU86     |
| 5962-9458507HMC                         | AS8ER128K32Q-250/883                | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 250 NS ACCESS TIME | Micross Comp,   | 0EU86     |
| 5962-9458508HMA                         | AS8ER128K32Q-200/883                | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 200 NS ACCESS TIME | Micross Comp,   | 0EU86     |
| 5962-9458508HZC                         | AS8ER128K32QB-200/88                | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 200 NS ACCESS TIME | Micross Comp,   | 0EU86     |
| 5962-9458508HMC                         | AS8ER128K32Q-200/883                | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 200 NS ACCESS TIME | Micross Comp,   | 0EU86     |
| 5962-9458509HZC                         | AS8ER128K32QB-150/88                | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 150 NS ACCESS TIME | Micross Comp,   | 0EU86     |
| 5962-9458509HMA                         | AS8ER128K32Q-150/883                | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 150 NS ACCESS TIME | Micross Comp,   | 0EU86     |
| 5962-9458509HMC                         | AS8ER128K32Q-150/883                | 1          | PROM, ELECTR. ERASABLE, 128K X 32, 150 NS ACCESS TIME | Micross Comp,   | 0EU86     |
| 5962-9459801HXC                         | MSK1348B                            | 1          | LINEAR, PHASE MODULATOR CONTROLLER, HYBRID            | MSK             | 51651     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                   | Approved Source | CAGE Code |
| 5962-9459801HXA                         | MSK1348B                            | 1          | LINEAR, PHASE MODULATOR CONTROLLER, HYBRID | MSK             | 51651     |
| 5962-9461001H4A                         | WF128K32N-200H1Q                    | 1          | PROM, ELECTR. ERASABLE, 128K X 32, FLASH   | White           | 54230     |
| 5962-9461001HMA                         | WF128K32-200G2Q                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, FLASH   | White           | 54230     |
| 5962-9461001H5C                         | WF128K32NA-200H1Q                   | 1          | PROM, ELECTR. ERASABLE, 128K X 32, FLASH   | White           | 54230     |
| 5962-9461001HNC                         | WF128K32-200G4Q                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, FLASH   | White           | 54230     |
| 5962-9461001H5A                         | WF128K32NA-200H1Q                   | 1          | PROM, ELECTR. ERASABLE, 128K X 32, FLASH   | White           | 54230     |
| 5962-9461001HXA                         | WF128K32-200HQ                      | 1          | PROM, ELECTR. ERASABLE, 128K X 32, FLASH   | White           | 54230     |
| 5962-9461001HXC                         | WF128K32-200HQ                      | 1          | PROM, ELECTR. ERASABLE, 128K X 32, FLASH   | White           | 54230     |
| 5962-9461001HYA                         | WF128K32N-200HSQ                    | 1          | PROM, ELECTR. ERASABLE, 128K X 32, FLASH   | White           | 54230     |
| 5962-9461001HWC                         | WF128K32-200HSQ                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, FLASH   | White           | 54230     |
| 5962-9461001H4C                         | WF128K32N-200H1Q                    | 1          | PROM, ELECTR. ERASABLE, 128K X 32, FLASH   | White           | 54230     |
| 5962-9461001HZA                         | WF128K32N-200HQ                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, FLASH   | White           | 54230     |
| 5962-9461001HZC                         | WF128K32N-200HQ                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, FLASH   | White           | 54230     |
| 5962-9461001HYC                         | WF128K32N-200HSQ                    | 1          | PROM, ELECTR. ERASABLE, 128K X 32, FLASH   | White           | 54230     |
| 5962-9461001HMC                         | WF128K32-200G2Q                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, FLASH   | White           | 54230     |
| 5962-9461001HWA                         | WF128K32-200HSQ                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, FLASH   | White           | 54230     |
| 5962-9461002H4C                         | WF128K32N-150H1Q                    | 1          | PROM, ELECTR. ERASABLE, 128K X 32, FLASH   | White           | 54230     |
| 5962-9461002HWC                         | WF128K32-150HSQ                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, FLASH   | White           | 54230     |
| 5962-9461002HWA                         | WF128K32-150HSQ                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, FLASH   | White           | 54230     |
| 5962-9461002HXC                         | WF128K32-150HQ                      | 1          | PROM, ELECTR. ERASABLE, 128K X 32, FLASH   | White           | 54230     |
| 5962-9461002HXA                         | WF128K32-150HQ                      | 1          | PROM, ELECTR. ERASABLE, 128K X 32, FLASH   | White           | 54230     |
| 5962-9461002HNC                         | WF128K32-150G4Q                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, FLASH   | White           | 54230     |
| 5962-9461002HMC                         | WF128K32-150G2Q                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, FLASH   | White           | 54230     |
| 5962-9461002HMA                         | WF128K32-150G2Q                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, FLASH   | White           | 54230     |
| 5962-9461002H4A                         | WF128K32N-150H1Q                    | 1          | PROM, ELECTR. ERASABLE, 128K X 32, FLASH   | White           | 54230     |
| 5962-9461002HZA                         | WF128K32N-150HQ                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, FLASH   | White           | 54230     |
| 5962-9461002HZC                         | WF128K32N-150HQ                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, FLASH   | White           | 54230     |
| 5962-9461002HYA                         | WF128K32N-150HSQ                    | 1          | PROM, ELECTR. ERASABLE, 128K X 32, FLASH   | White           | 54230     |
| 5962-9461002HYC                         | WF128K32N-150HSQ                    | 1          | PROM, ELECTR. ERASABLE, 128K X 32, FLASH   | White           | 54230     |
| 5962-9461002H5A                         | WF128K32NA-150H1Q                   | 1          | PROM, ELECTR. ERASABLE, 128K X 32, FLASH   | White           | 54230     |
| 5962-9461002H5C                         | WF128K32NA-150H1Q                   | 1          | PROM, ELECTR. ERASABLE, 128K X 32, FLASH   | White           | 54230     |
| 5962-9461003HZA                         | WF128K32N-120HQ                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, FLASH   | White           | 54230     |
| 5962-9461003H4A                         | WF128K32N-120H1Q                    | 1          | PROM, ELECTR. ERASABLE, 128K X 32, FLASH   | White           | 54230     |
| 5962-9461003HMC                         | WF128K32-120G2Q                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, FLASH   | White           | 54230     |
| 5962-9461003HMA                         | WF128K32-120G2Q                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, FLASH   | White           | 54230     |
| 5962-9461003H5A                         | WF128K32NA-120H1Q                   | 1          | PROM, ELECTR. ERASABLE, 128K X 32, FLASH   | White           | 54230     |
| 5962-9461003H5C                         | WF128K32NA-120H1Q                   | 1          | PROM, ELECTR. ERASABLE, 128K X 32, FLASH   | White           | 54230     |
| 5962-9461003HZC                         | WF128K32N-120HQ                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, FLASH   | White           | 54230     |
| 5962-9461003H4C                         | WF128K32N-120H1Q                    | 1          | PROM, ELECTR. ERASABLE, 128K X 32, FLASH   | White           | 54230     |
| 5962-9461003HYC                         | WF128K32N-120HSQ                    | 1          | PROM, ELECTR. ERASABLE, 128K X 32, FLASH   | White           | 54230     |
| 5962-9461003HYA                         | WF128K32N-120HSQ                    | 1          | PROM, ELECTR. ERASABLE, 128K X 32, FLASH   | White           | 54230     |
| 5962-9461003HWC                         | WF128K32-120HSQ                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, FLASH   | White           | 54230     |
| 5962-9461003HNC                         | WF128K32-120G4Q                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, FLASH   | White           | 54230     |
| 5962-9461003HXA                         | WF128K32-120HQ                      | 1          | PROM, ELECTR. ERASABLE, 128K X 32, FLASH   | White           | 54230     |
| 5962-9461003HXC                         | WF128K32-120HQ                      | 1          | PROM, ELECTR. ERASABLE, 128K X 32, FLASH   | White           | 54230     |
| 5962-9461003HWA                         | WF128K32-120HSQ                     | 1          | PROM, ELECTR. ERASABLE, 128K X 32, FLASH   | White           | 54230     |
| 5962-9461101HUA                         | WS512K32N-120HQ                     | 1          | STATIC RAM, 512K X 32, 120 NS              | White           | 54230     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |                               |                 |           |
|---|-------------------------------------|------------|-------------------------------|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description      | Approved Source | CAGE Code |
| 5962-9461101HMA                         | WS512K32-120G2Q                     | 1          | STATIC RAM, 512K X 32, 120 NS | White           | 54230     |
| 5962-9461101HMC                         | WS512K32-120G2Q                     | 1          | STATIC RAM, 512K X 32, 120 NS | White           | 54230     |
| 5962-9461101HYC                         | WS512K32-120G4Q                     | 1          | STATIC RAM, 512K X 32, 120 NS | White           | 54230     |
| 5962-9461101HUC                         | WS512K32N-120HQ                     | 1          | STATIC RAM, 512K X 32, 120 NS | White           | 54230     |
| 5962-9461102HUC                         | WS512K32N-100HQ                     | 1          | STATIC RAM, 512K X 32, 100 NS | White           | 54230     |
| 5962-9461102HMA                         | WS512K32-100G2Q                     | 1          | STATIC RAM, 512K X 32, 100 NS | White           | 54230     |
| 5962-9461102HYC                         | WS512K32-100G4Q                     | 1          | STATIC RAM, 512K X 32, 100 NS | White           | 54230     |
| 5962-9461102HMC                         | WS512K32-100G2Q                     | 1          | STATIC RAM, 512K X 32, 100 NS | White           | 54230     |
| 5962-9461102HUA                         | WS512K32N-100HQ                     | 1          | STATIC RAM, 512K X 32, 100 NS | White           | 54230     |
| 5962-9461103HUC                         | WS512K32N-85HQ                      | 1          | STATIC RAM, 512K X 32, 85 NS  | White           | 54230     |
| 5962-9461103HUA                         | WS512K32N-85HQ                      | 1          | STATIC RAM, 512K X 32, 85 NS  | White           | 54230     |
| 5962-9461103HYC                         | WS512K32-85G4Q                      | 1          | STATIC RAM, 512K X 32, 85 NS  | White           | 54230     |
| 5962-9461103HMC                         | WS512K32-85G2Q                      | 1          | STATIC RAM, 512K X 32, 85 NS  | White           | 54230     |
| 5962-9461103HMA                         | WS512K32-85G2Q                      | 1          | STATIC RAM, 512K X 32, 85 NS  | White           | 54230     |
| 5962-9461104HUC                         | WS512K32N-70HQ                      | 1          | STATIC RAM, 512K X 32, 70 NS  | White           | 54230     |
| 5962-9461104HYC                         | WS512K32-70G4Q                      | 1          | STATIC RAM, 512K X 32, 70 NS  | White           | 54230     |
| 5962-9461104HUA                         | WS512K32N-70HQ                      | 1          | STATIC RAM, 512K X 32, 70 NS  | White           | 54230     |
| 5962-9461104HMC                         | WS512K32-70G2Q                      | 1          | STATIC RAM, 512K X 32, 70 NS  | White           | 54230     |
| 5962-9461104HMA                         | WS512K32-70G2Q                      | 1          | STATIC RAM, 512K X 32, 70 NS  | White           | 54230     |
| 5962-9461105HTC                         | ACT-S512K32N-055P7Q                 | 1          | STATIC RAM, 512K X 32, 55 NS  | Aeroflex        | 88379     |
| 5962-9461105HTA                         | ACT-S512K32N-055P7Q                 | 1          | STATIC RAM, 512K X 32, 55 NS  | Aeroflex        | 88379     |
| 5962-9461105HXA                         | ACT-S512K32N-055P1Q                 | 1          | STATIC RAM, 512K X 32, 55 NS  | Aeroflex        | 88379     |
| 5962-9461105HMC                         | ACT-S512K32N-055F2Q                 | 1          | STATIC RAM, 512K X 32, 55 NS  | Aeroflex        | 88379     |
| 5962-9461105HMA                         | ACT-S512K32N-055F2Q                 | 1          | STATIC RAM, 512K X 32, 55 NS  | Aeroflex        | 88379     |
| 5962-9461105HYC                         | ACT-S512K32N-055F1Q                 | 1          | STATIC RAM, 512K X 32, 55 NS  | Aeroflex        | 88379     |
| 5962-9461105HBC                         | WS512K32-55G1TQ                     | 1          | STATIC RAM, 512K X 32, 55 NS  | White           | 54230     |
| 5962-9461105HXC                         | ACT-S512K32N-055P1Q                 | 1          | STATIC RAM, 512K X 32, 55 NS  | Aeroflex        | 88379     |
| 5962-9461105HYC                         | WS512K32-55G4TQ                     | 1          | STATIC RAM, 512K X 32, 55 NS  | White           | 54230     |
| 5962-9461105HMA                         | WS512K32-55G2Q                      | 1          | STATIC RAM, 512K X 32, 55 NS  | White           | 54230     |
| 5962-9461105HAA                         | WS512K32-55G2LQ                     | 1          | STATIC RAM, 512K X 32, 55 NS  | White           | 54230     |
| 5962-9461105HYA                         | ACT-S512K32N-055F1Q                 | 1          | STATIC RAM, 512K X 32, 55 NS  | Aeroflex        | 88379     |
| 5962-9461105H9A                         | WS512K32-55G1UQ                     | 1          | STATIC RAM, 512K X 32, 55 NS  | White           | 54230     |
| 5962-9461105HMC                         | WS512K32-55G2Q                      | 1          | STATIC RAM, 512K X 32, 55 NS  | White           | 54230     |
| 5962-9461105HBA                         | WS512K32-55G1TQ                     | 1          | STATIC RAM, 512K X 32, 55 NS  | White           | 54230     |
| 5962-9461105H9C                         | WS512K32-55G1UQ                     | 1          | STATIC RAM, 512K X 32, 55 NS  | White           | 54230     |
| 5962-9461105HTC                         | WS512K32N-55H1Q                     | 1          | STATIC RAM, 512K X 32, 55 NS  | White           | 54230     |
| 5962-9461105HTA                         | WS512K32N-55H1Q                     | 1          | STATIC RAM, 512K X 32, 55 NS  | White           | 54230     |
| 5962-9461105HAC                         | WS512K32-55G2LQ                     | 1          | STATIC RAM, 512K X 32, 55 NS  | White           | 54230     |
| 5962-9461105HTA                         | AS8S512K32P-55L/Q                   | 1          | STATIC RAM, 512K X 32, 55 NS  | Micros Comp,    | 0EU86     |
| 5962-9461105HTC                         | AS8S512K32P-55L/Q                   | 1          | STATIC RAM, 512K X 32, 55 NS  | Micros Comp,    | 0EU86     |
| 5962-9461105HAA                         | AS8S512K32Q1-55L/883                | 1          | STATIC RAM, 512K X 32, 55 NS  | Micros Comp,    | 0EU86     |
| 5962-9461105HAC                         | AS8S512K32Q1-55L/883                | 1          | STATIC RAM, 512K X 32, 55 NS  | Micros Comp,    | 0EU86     |
| 5962-9461105HMC                         | AS8S512K32Q-55L/Q                   | 1          | STATIC RAM, 512K X 32, 55 NS  | Micros Comp,    | 0EU86     |
| 5962-9461105HMA                         | AS8S512K32Q-55L/Q                   | 1          | STATIC RAM, 512K X 32, 55 NS  | Micros Comp,    | 0EU86     |
| 5962-9461106HTA                         | ACT-S512K32N-045P7Q                 | 1          | STATIC RAM, 512K X 32, 45 NS  | Aeroflex        | 88379     |
| 5962-9461106HBA                         | WS512K32-45G1TQ                     | 1          | STATIC RAM, 512K X 32, 45 NS  | White           | 54230     |
| 5962-9461106HBC                         | WS512K32-45G1TQ                     | 1          | STATIC RAM, 512K X 32, 45 NS  | White           | 54230     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |                              |                 |           |
|---|-------------------------------------|------------|------------------------------|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description     | Approved Source | CAGE Code |
| 5962-9461106H9A                         | WS512K32-45G1UQ                     | 1          | STATIC RAM, 512K X 32, 45 NS | White           | 54230     |
| 5962-9461106H9C                         | WS512K32-45G1UQ                     | 1          | STATIC RAM, 512K X 32, 45 NS | White           | 54230     |
| 5962-9461106HYC                         | WS512K32-45G4TQ                     | 1          | STATIC RAM, 512K X 32, 45 NS | White           | 54230     |
| 5962-9461106HAA                         | WS512K32-45G2LQ                     | 1          | STATIC RAM, 512K X 32, 45 NS | White           | 54230     |
| 5962-9461106HAC                         | WS512K32-45G2LQ                     | 1          | STATIC RAM, 512K X 32, 45 NS | White           | 54230     |
| 5962-9461106HTC                         | ACT-S512K32N-045P7Q                 | 1          | STATIC RAM, 512K X 32, 45 NS | Aeroflex        | 88379     |
| 5962-9461106HXC                         | ACT-S512K32N-045P1Q                 | 1          | STATIC RAM, 512K X 32, 45 NS | Aeroflex        | 88379     |
| 5962-9461106HXA                         | ACT-S512K32N-045P1Q                 | 1          | STATIC RAM, 512K X 32, 45 NS | Aeroflex        | 88379     |
| 5962-9461106HMC                         | ACT-S512K32N-045F2Q                 | 1          | STATIC RAM, 512K X 32, 45 NS | Aeroflex        | 88379     |
| 5962-9461106HMA                         | ACT-S512K32N-045F2Q                 | 1          | STATIC RAM, 512K X 32, 45 NS | Aeroflex        | 88379     |
| 5962-9461106HYC                         | ACT-S512K32N-045F1Q                 | 1          | STATIC RAM, 512K X 32, 45 NS | Aeroflex        | 88379     |
| 5962-9461106HYA                         | ACT-S512K32N-045F1Q                 | 1          | STATIC RAM, 512K X 32, 45 NS | Aeroflex        | 88379     |
| 5962-9461106HTA                         | WS512K32N-45H1Q                     | 1          | STATIC RAM, 512K X 32, 45 NS | White           | 54230     |
| 5962-9461106HMA                         | WS512K32-45G2Q                      | 1          | STATIC RAM, 512K X 32, 45 NS | White           | 54230     |
| 5962-9461106HMC                         | WS512K32-45G2Q                      | 1          | STATIC RAM, 512K X 32, 45 NS | White           | 54230     |
| 5962-9461106HTC                         | WS512K32N-45H1Q                     | 1          | STATIC RAM, 512K X 32, 45 NS | White           | 54230     |
| 5962-9461106HMA                         | AS8S512K32Q-45L/Q                   | 1          | STATIC RAM, 512K X 32, 45 NS | Micros Comp,    | 0EU86     |
| 5962-9461106HMC                         | AS8S512K32Q-45L/Q                   | 1          | STATIC RAM, 512K X 32, 45 NS | Micros Comp,    | 0EU86     |
| 5962-9461106HTA                         | AS8S512K32P-45L/Q                   | 1          | STATIC RAM, 512K X 32, 45 NS | Micros Comp,    | 0EU86     |
| 5962-9461106HTC                         | AS8S512K32P-45L/Q                   | 1          | STATIC RAM, 512K X 32, 45 NS | Micros Comp,    | 0EU86     |
| 5962-9461106HAA                         | AS8S512K32Q1-45L/883                | 1          | STATIC RAM, 512K X 32, 45 NS | Micros Comp,    | 0EU86     |
| 5962-9461106HAC                         | AS8S512K32Q1-45L/883                | 1          | STATIC RAM, 512K X 32, 45 NS | Micros Comp,    | 0EU86     |
| 5962-9461107HYC                         | WS512K32-35G4TQ                     | 1          | STATIC RAM, 512K X 32, 35 NS | White           | 54230     |
| 5962-9461107HMC                         | WS512K32-35G2Q                      | 1          | STATIC RAM, 512K X 32, 35 NS | White           | 54230     |
| 5962-9461107HMA                         | WS512K32-35G2Q                      | 1          | STATIC RAM, 512K X 32, 35 NS | White           | 54230     |
| 5962-9461107HAC                         | WS512K32-35G2LQ                     | 1          | STATIC RAM, 512K X 32, 35 NS | White           | 54230     |
| 5962-9461107HXA                         | ACT-S512K32N-035P1Q                 | 1          | STATIC RAM, 512K X 32, 35 NS | Aeroflex        | 88379     |
| 5962-9461107H9C                         | WS512K32-35G1UQ                     | 1          | STATIC RAM, 512K X 32, 35 NS | White           | 54230     |
| 5962-9461107HBA                         | WS512K32-35G1TQ                     | 1          | STATIC RAM, 512K X 32, 35 NS | White           | 54230     |
| 5962-9461107HAA                         | WS512K32-35G2LQ                     | 1          | STATIC RAM, 512K X 32, 35 NS | White           | 54230     |
| 5962-9461107HTC                         | WS512K32N-35H1Q                     | 1          | STATIC RAM, 512K X 32, 35 NS | White           | 54230     |
| 5962-9461107HTA                         | WS512K32N-35H1Q                     | 1          | STATIC RAM, 512K X 32, 35 NS | White           | 54230     |
| 5962-9461107HBC                         | WS512K32-35G1TQ                     | 1          | STATIC RAM, 512K X 32, 35 NS | White           | 54230     |
| 5962-9461107HXC                         | ACT-S512K32N-035P1Q                 | 1          | STATIC RAM, 512K X 32, 35 NS | Aeroflex        | 88379     |
| 5962-9461107HTA                         | ACT-S512K32N-035P7Q                 | 1          | STATIC RAM, 512K X 32, 35 NS | Aeroflex        | 88379     |
| 5962-9461107HTC                         | ACT-S512K32N-035P7Q                 | 1          | STATIC RAM, 512K X 32, 35 NS | Aeroflex        | 88379     |
| 5962-9461107HMC                         | ACT-S512K32N-035F2Q                 | 1          | STATIC RAM, 512K X 32, 35 NS | Aeroflex        | 88379     |
| 5962-9461107HMA                         | ACT-S512K32N-035F2Q                 | 1          | STATIC RAM, 512K X 32, 35 NS | Aeroflex        | 88379     |
| 5962-9461107HYC                         | ACT-S512K32N-035F1Q                 | 1          | STATIC RAM, 512K X 32, 35 NS | Aeroflex        | 88379     |
| 5962-9461107H9A                         | WS512K32-35G1UQ                     | 1          | STATIC RAM, 512K X 32, 35 NS | White           | 54230     |
| 5962-9461107HYA                         | ACT-S512K32N-035F1Q                 | 1          | STATIC RAM, 512K X 32, 35 NS | Aeroflex        | 88379     |
| 5962-9461107HTA                         | AS8S512K32P-35L/Q                   | 1          | STATIC RAM, 512K X 32, 35 NS | Micros Comp,    | 0EU86     |
| 5962-9461107HTC                         | AS8S512K32P-35L/Q                   | 1          | STATIC RAM, 512K X 32, 35 NS | Micros Comp,    | 0EU86     |
| 5962-9461107HAA                         | AS8S512K32Q1-35L/883                | 1          | STATIC RAM, 512K X 32, 35 NS | Micros Comp,    | 0EU86     |
| 5962-9461107HAC                         | AS8S512K32Q1-35L/883                | 1          | STATIC RAM, 512K X 32, 35 NS | Micros Comp,    | 0EU86     |
| 5962-9461107HMA                         | AS8S512K32Q-35L/Q                   | 1          | STATIC RAM, 512K X 32, 35 NS | Micros Comp,    | 0EU86     |
| 5962-9461107HMC                         | AS8S512K32Q-35L/Q                   | 1          | STATIC RAM, 512K X 32, 35 NS | Micros Comp,    | 0EU86     |



Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |                              |                 |           |
|---|-------------------------------------|------------|------------------------------|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description     | Approved Source | CAGE Code |
| 5962-9461108H9A                         | WS512K32-25G1UQ                     | 1          | STATIC RAM, 512K X 32, 25 NS | White           | 54230     |
| 5962-9461108HXC                         | ACT-S512K32N-025P1Q                 | 1          | STATIC RAM, 512K X 32, 25 NS | Aeroflex        | 88379     |
| 5962-9461108HTA                         | ACT-S512K32N-025P7Q                 | 1          | STATIC RAM, 512K X 32, 25 NS | Aeroflex        | 88379     |
| 5962-9461108HTC                         | ACT-S512K32N-025P7Q                 | 1          | STATIC RAM, 512K X 32, 25 NS | Aeroflex        | 88379     |
| 5962-9461108HYC                         | WS512K32-25G4TQ                     | 1          | STATIC RAM, 512K X 32, 25 NS | White           | 54230     |
| 5962-9461108HMC                         | WS512K32-25G2Q                      | 1          | STATIC RAM, 512K X 32, 25 NS | White           | 54230     |
| 5962-9461108HMA                         | WS512K32-25G2Q                      | 1          | STATIC RAM, 512K X 32, 25 NS | White           | 54230     |
| 5962-9461108HAC                         | WS512K32-25G2LQ                     | 1          | STATIC RAM, 512K X 32, 25 NS | White           | 54230     |
| 5962-9461108HXA                         | ACT-S512K32N-025P1Q                 | 1          | STATIC RAM, 512K X 32, 25 NS | Aeroflex        | 88379     |
| 5962-9461108H9C                         | WS512K32-25G1UQ                     | 1          | STATIC RAM, 512K X 32, 25 NS | White           | 54230     |
| 5962-9461108HBC                         | WS512K32-25G1TQ                     | 1          | STATIC RAM, 512K X 32, 25 NS | White           | 54230     |
| 5962-9461108HBA                         | WS512K32-25G1TQ                     | 1          | STATIC RAM, 512K X 32, 25 NS | White           | 54230     |
| 5962-9461108HAA                         | WS512K32-25G2LQ                     | 1          | STATIC RAM, 512K X 32, 25 NS | White           | 54230     |
| 5962-9461108HTC                         | WS512K32N-25H1Q                     | 1          | STATIC RAM, 512K X 32, 25 NS | White           | 54230     |
| 5962-9461108HMC                         | ACT-S512K32N-025F2Q                 | 1          | STATIC RAM, 512K X 32, 25 NS | Aeroflex        | 88379     |
| 5962-9461108HTA                         | WS512K32N-25H1Q                     | 1          | STATIC RAM, 512K X 32, 25 NS | White           | 54230     |
| 5962-9461108HMA                         | ACT-S512K32N-025F2Q                 | 1          | STATIC RAM, 512K X 32, 25 NS | Aeroflex        | 88379     |
| 5962-9461108HYC                         | ACT-S512K32N-025F1Q                 | 1          | STATIC RAM, 512K X 32, 25 NS | Aeroflex        | 88379     |
| 5962-9461108HYA                         | ACT-S512K32N-025F1Q                 | 1          | STATIC RAM, 512K X 32, 25 NS | Aeroflex        | 88379     |
| 5962-9461108HAC                         | AS8S512K32Q1-25L/883                | 1          | STATIC RAM, 512K X 32, 25 NS | Micros Comp,    | 0EU86     |
| 5962-9461108HTA                         | AS8S512K32P-25L/Q                   | 1          | STATIC RAM, 512K X 32, 25 NS | Micros Comp,    | 0EU86     |
| 5962-9461108HTC                         | AS8S512K32P-25L/Q                   | 1          | STATIC RAM, 512K X 32, 25 NS | Micros Comp,    | 0EU86     |
| 5962-9461108HAA                         | AS8S512K32Q1-25L/883                | 1          | STATIC RAM, 512K X 32, 25 NS | Micros Comp,    | 0EU86     |
| 5962-9461108HMA                         | AS8S512K32Q-25L/Q                   | 1          | STATIC RAM, 512K X 32, 25 NS | Micros Comp,    | 0EU86     |
| 5962-9461108HMC                         | AS8S512K32Q-25L/Q                   | 1          | STATIC RAM, 512K X 32, 25 NS | Micros Comp,    | 0EU86     |
| 5962-9461109HAC                         | WS512K32-20G2LQ                     | 1          | STATIC RAM, 512K X 32, 20 NS | White           | 54230     |
| 5962-9461109HMC                         | WS512K32-20G2Q                      | 1          | STATIC RAM, 512K X 32, 20 NS | White           | 54230     |
| 5962-9461109HMA                         | WS512K32-20G2Q                      | 1          | STATIC RAM, 512K X 32, 20 NS | White           | 54230     |
| 5962-9461109H9A                         | WS512K32-20G1UQ                     | 1          | STATIC RAM, 512K X 32, 20 NS | White           | 54230     |
| 5962-9461109HBC                         | WS512K32-20G1TQ                     | 1          | STATIC RAM, 512K X 32, 20 NS | White           | 54230     |
| 5962-9461109HBA                         | WS512K32-20G1TQ                     | 1          | STATIC RAM, 512K X 32, 20 NS | White           | 54230     |
| 5962-9461109HTC                         | WS512K32N-20H1Q                     | 1          | STATIC RAM, 512K X 32, 20 NS | White           | 54230     |
| 5962-9461109HTA                         | WS512K32N-20H1Q                     | 1          | STATIC RAM, 512K X 32, 20 NS | White           | 54230     |
| 5962-9461109H9C                         | WS512K32-20G1UQ                     | 1          | STATIC RAM, 512K X 32, 20 NS | White           | 54230     |
| 5962-9461109HYA                         | ACT-S512K32N-020F1Q                 | 1          | STATIC RAM, 512K X 32, 20 NS | Aeroflex        | 88379     |
| 5962-9461109HMC                         | ACT-S512K32N-020F2Q                 | 1          | STATIC RAM, 512K X 32, 20 NS | Aeroflex        | 88379     |
| 5962-9461109HMA                         | ACT-S512K32N-020F2Q                 | 1          | STATIC RAM, 512K X 32, 20 NS | Aeroflex        | 88379     |
| 5962-9461109HYC                         | ACT-S512K32N-020F1Q                 | 1          | STATIC RAM, 512K X 32, 20 NS | Aeroflex        | 88379     |
| 5962-9461109HTC                         | ACT-S512K32N-020P7Q                 | 1          | STATIC RAM, 512K X 32, 20 NS | Aeroflex        | 88379     |
| 5962-9461109HTA                         | ACT-S512K32N-020P7Q                 | 1          | STATIC RAM, 512K X 32, 20 NS | Aeroflex        | 88379     |
| 5962-9461109HXC                         | ACT-S512K32N-020P1Q                 | 1          | STATIC RAM, 512K X 32, 20 NS | Aeroflex        | 88379     |
| 5962-9461109HYC                         | WS512K32-20G4TQ                     | 1          | STATIC RAM, 512K X 32, 20 NS | White           | 54230     |
| 5962-9461109HXA                         | ACT-S512K32N-020P1Q                 | 1          | STATIC RAM, 512K X 32, 20 NS | Aeroflex        | 88379     |
| 5962-9461109HAA                         | WS512K32-20G2LQ                     | 1          | STATIC RAM, 512K X 32, 20 NS | White           | 54230     |
| 5962-9461109HAC                         | AS8S512K32Q1-20L/883                | 1          | STATIC RAM, 512K X 32, 20 NS | Micros Comp,    | 0EU86     |
| 5962-9461109HTA                         | AS8S512K32P-20L/Q                   | 1          | STATIC RAM, 512K X 32, 20 NS | Micros Comp,    | 0EU86     |
| 5962-9461109HTC                         | AS8S512K32P-20L/Q                   | 1          | STATIC RAM, 512K X 32, 20 NS | Micros Comp,    | 0EU86     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |                              |                 |           |
|---|-------------------------------------|------------|------------------------------|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description     | Approved Source | CAGE Code |
| 5962-9461109HMA                         | AS8S512K32Q-20L/Q                   | 1          | STATIC RAM, 512K X 32, 20 NS | Micross Comp,   | 0EU86     |
| 5962-9461109HMC                         | AS8S512K32Q-20L/Q                   | 1          | STATIC RAM, 512K X 32, 20 NS | Micross Comp,   | 0EU86     |
| 5962-9461109HAA                         | AS8S512K32Q1-20L/883                | 1          | STATIC RAM, 512K X 32, 20 NS | Micross Comp,   | 0EU86     |
| 5962-9461110HXC                         | ACT-S512K32N-017P1Q                 | 1          | STATIC RAM, 512K X 32, 17 NS | Aeroflex        | 88379     |
| 5962-9461110HMC                         | ACT-S512K32N-017F2Q                 | 1          | STATIC RAM, 512K X 32, 17 NS | Aeroflex        | 88379     |
| 5962-9461110HYC                         | ACT-S512K32N-017F1Q                 | 1          | STATIC RAM, 512K X 32, 17 NS | Aeroflex        | 88379     |
| 5962-9461110HYA                         | ACT-S512K32N-017F1Q                 | 1          | STATIC RAM, 512K X 32, 17 NS | Aeroflex        | 88379     |
| 5962-9461110HTC                         | ACT-S512K32N-017P7Q                 | 1          | STATIC RAM, 512K X 32, 17 NS | Aeroflex        | 88379     |
| 5962-9461110HXA                         | ACT-S512K32N-017P1Q                 | 1          | STATIC RAM, 512K X 32, 17 NS | Aeroflex        | 88379     |
| 5962-9461110HTA                         | WS512K32N-17H1Q                     | 1          | STATIC RAM, 512K X 32, 17 NS | White           | 54230     |
| 5962-9461110HTA                         | ACT-S512K32N-017P7Q                 | 1          | STATIC RAM, 512K X 32, 17 NS | Aeroflex        | 88379     |
| 5962-9461110HYC                         | WS512K32-17G4TQ                     | 1          | STATIC RAM, 512K X 32, 17 NS | White           | 54230     |
| 5962-9461110HMA                         | ACT-S512K32N-017F2Q                 | 1          | STATIC RAM, 512K X 32, 17 NS | Aeroflex        | 88379     |
| 5962-9461110HTC                         | WS512K32N-17H1Q                     | 1          | STATIC RAM, 512K X 32, 17 NS | White           | 54230     |
| 5962-9461110HBA                         | WS512K32-17G1TQ                     | 1          | STATIC RAM, 512K X 32, 17 NS | White           | 54230     |
| 5962-9461110HMC                         | WS512K32-17G2Q                      | 1          | STATIC RAM, 512K X 32, 17 NS | White           | 54230     |
| 5962-9461110HMA                         | WS512K32-17G2Q                      | 1          | STATIC RAM, 512K X 32, 17 NS | White           | 54230     |
| 5962-9461110HAC                         | WS512K32-17G2LQ                     | 1          | STATIC RAM, 512K X 32, 17 NS | White           | 54230     |
| 5962-9461110HAA                         | WS512K32-17G2LQ                     | 1          | STATIC RAM, 512K X 32, 17 NS | White           | 54230     |
| 5962-9461110H9C                         | WS512K32-17G1UQ                     | 1          | STATIC RAM, 512K X 32, 17 NS | White           | 54230     |
| 5962-9461110H9A                         | WS512K32-17G1UQ                     | 1          | STATIC RAM, 512K X 32, 17 NS | White           | 54230     |
| 5962-9461110HBC                         | WS512K32-17G1TQ                     | 1          | STATIC RAM, 512K X 32, 17 NS | White           | 54230     |
| 5962-9461110HAA                         | AS8S512K32Q1-17L/883                | 1          | STATIC RAM, 512K X 32, 17 NS | Micross Comp,   | 0EU86     |
| 5962-9461110HAC                         | AS8S512K32Q1-17L/883                | 1          | STATIC RAM, 512K X 32, 17 NS | Micross Comp,   | 0EU86     |
| 5962-9461110HMA                         | AS8S512K32Q-17L/Q                   | 1          | STATIC RAM, 512K X 32, 17 NS | Micross Comp,   | 0EU86     |
| 5962-9461110HMC                         | AS8S512K32Q-17L/Q                   | 1          | STATIC RAM, 512K X 32, 17 NS | Micross Comp,   | 0EU86     |
| 5962-9461110HTA                         | AS8S512K32P-17L/Q                   | 1          | STATIC RAM, 512K X 32, 17 NS | Micross Comp,   | 0EU86     |
| 5962-9461110HTC                         | AS8S512K32P-17L/Q                   | 1          | STATIC RAM, 512K X 32, 17 NS | Micross Comp,   | 0EU86     |
| 5962-9461111HYC                         | WS512K32D-55G4TQ                    | 1          | STATIC RAM, 512K X 32, 55 NS | White           | 54230     |
| 5962-9461111HTC                         | WS512K32ND-55H1Q                    | 1          | STATIC RAM, 512K X 32, 55 NS | White           | 54230     |
| 5962-9461111HAC                         | WS512K32D-55G2LQ                    | 1          | STATIC RAM, 512K X 32, 55 NS | White           | 54230     |
| 5962-9461111HAA                         | WS512K32D-55G2LQ                    | 1          | STATIC RAM, 512K X 32, 55 NS | White           | 54230     |
| 5962-9461111H9C                         | WS512K32D-55G1UQ                    | 1          | STATIC RAM, 512K X 32, 55 NS | White           | 54230     |
| 5962-9461111H9A                         | WS512K32D-55G1UQ                    | 1          | STATIC RAM, 512K X 32, 55 NS | White           | 54230     |
| 5962-9461111HBC                         | WS512K32D-55G1TQ                    | 1          | STATIC RAM, 512K X 32, 55 NS | White           | 54230     |
| 5962-9461111HBA                         | WS512K32D-55G1TQ                    | 1          | STATIC RAM, 512K X 32, 55 NS | White           | 54230     |
| 5962-9461111HTA                         | WS512K32ND-55H1Q                    | 1          | STATIC RAM, 512K X 32, 55 NS | White           | 54230     |
| 5962-9461111HMC                         | WS512K32D-55G2Q                     | 1          | STATIC RAM, 512K X 32, 55 NS | White           | 54230     |
| 5962-9461111HMA                         | WS512K32D-55G2Q                     | 1          | STATIC RAM, 512K X 32, 55 NS | White           | 54230     |
| 5962-9461111HTA                         | AS8S512K32P-55/Q                    | 1          | STATIC RAM, 512K X 32, 55 NS | Micross Comp,   | 0EU86     |
| 5962-9461111HAA                         | AS8S512K32Q1-55/883C                | 1          | STATIC RAM, 512K X 32, 55 NS | Micross Comp,   | 0EU86     |
| 5962-9461111HAC                         | AS8S512K32Q1-55/883C                | 1          | STATIC RAM, 512K X 32, 55 NS | Micross Comp,   | 0EU86     |
| 5962-9461111HMC                         | AS8S512K32Q-55/Q                    | 1          | STATIC RAM, 512K X 32, 55 NS | Micross Comp,   | 0EU86     |
| 5962-9461111HMA                         | AS8S512K32Q-55/Q                    | 1          | STATIC RAM, 512K X 32, 55 NS | Micross Comp,   | 0EU86     |
| 5962-9461111HTC                         | AS8S512K32P-55/Q                    | 1          | STATIC RAM, 512K X 32, 55 NS | Micross Comp,   | 0EU86     |
| 5962-9461112HBC                         | WS512K32D-45G1TQ                    | 1          | STATIC RAM, 512K X 32, 45 NS | White           | 54230     |
| 5962-9461112HAA                         | WS512K32D-45G2LQ                    | 1          | STATIC RAM, 512K X 32, 45 NS | White           | 54230     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |                              |                 |           |
|---|-------------------------------------|------------|------------------------------|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description     | Approved Source | CAGE Code |
| 5962-9461112HBA                         | WS512K32D-45G1TQ                    | 1          | STATIC RAM, 512K X 32, 45 NS | White           | 54230     |
| 5962-9461112H9C                         | WS512K32D-45G1UQ                    | 1          | STATIC RAM, 512K X 32, 45 NS | White           | 54230     |
| 5962-9461112HAC                         | WS512K32D-45G2LQ                    | 1          | STATIC RAM, 512K X 32, 45 NS | White           | 54230     |
| 5962-9461112HMA                         | WS512K32D-45G2Q                     | 1          | STATIC RAM, 512K X 32, 45 NS | White           | 54230     |
| 5962-9461112HMC                         | WS512K32D-45G2Q                     | 1          | STATIC RAM, 512K X 32, 45 NS | White           | 54230     |
| 5962-9461112HYC                         | WS512K32D-45G4TQ                    | 1          | STATIC RAM, 512K X 32, 45 NS | White           | 54230     |
| 5962-9461112HTC                         | WS512K32ND-45H1Q                    | 1          | STATIC RAM, 512K X 32, 45 NS | White           | 54230     |
| 5962-9461112HTA                         | WS512K32ND-45H1Q                    | 1          | STATIC RAM, 512K X 32, 45 NS | White           | 54230     |
| 5962-9461112H9A                         | WS512K32D-45G1UQ                    | 1          | STATIC RAM, 512K X 32, 45 NS | White           | 54230     |
| 5962-9461112HTC                         | AS8S512K32P-45/Q                    | 1          | STATIC RAM, 512K X 32, 45 NS | Micross Comp,   | 0EU86     |
| 5962-9461112HMC                         | AS8S512K32Q-45/Q                    | 1          | STATIC RAM, 512K X 32, 45 NS | Micross Comp,   | 0EU86     |
| 5962-9461112HAC                         | AS8S512K32Q1-45/883C                | 1          | STATIC RAM, 512K X 32, 45 NS | Micross Comp,   | 0EU86     |
| 5962-9461112HAA                         | AS8S512K32Q1-45/883C                | 1          | STATIC RAM, 512K X 32, 45 NS | Micross Comp,   | 0EU86     |
| 5962-9461112HTA                         | AS8S512K32P-45/Q                    | 1          | STATIC RAM, 512K X 32, 45 NS | Micross Comp,   | 0EU86     |
| 5962-9461112HMA                         | AS8S512K32Q-45/Q                    | 1          | STATIC RAM, 512K X 32, 45 NS | Micross Comp,   | 0EU86     |
| 5962-9461113HTA                         | WS512K32ND-35H1Q                    | 1          | STATIC RAM, 512K X 32, 35 NS | White           | 54230     |
| 5962-9461113HYC                         | WS512K32D-35G4TQ                    | 1          | STATIC RAM, 512K X 32, 35 NS | White           | 54230     |
| 5962-9461113HMA                         | WS512K32D-35G2Q                     | 1          | STATIC RAM, 512K X 32, 35 NS | White           | 54230     |
| 5962-9461113HBA                         | WS512K32D-35G1TQ                    | 1          | STATIC RAM, 512K X 32, 35 NS | White           | 54230     |
| 5962-9461113HTC                         | WS512K32ND-35H1Q                    | 1          | STATIC RAM, 512K X 32, 35 NS | White           | 54230     |
| 5962-9461113HMC                         | WS512K32D-35G2Q                     | 1          | STATIC RAM, 512K X 32, 35 NS | White           | 54230     |
| 5962-9461113HAC                         | WS512K32D-35G2LQ                    | 1          | STATIC RAM, 512K X 32, 35 NS | White           | 54230     |
| 5962-9461113HAA                         | WS512K32D-35G2LQ                    | 1          | STATIC RAM, 512K X 32, 35 NS | White           | 54230     |
| 5962-9461113H9C                         | WS512K32D-35G1UQ                    | 1          | STATIC RAM, 512K X 32, 35 NS | White           | 54230     |
| 5962-9461113H9A                         | WS512K32D-35G1UQ                    | 1          | STATIC RAM, 512K X 32, 35 NS | White           | 54230     |
| 5962-9461113HBC                         | WS512K32D-35G1TQ                    | 1          | STATIC RAM, 512K X 32, 35 NS | White           | 54230     |
| 5962-9461113HMC                         | AS8S512K32Q-35/Q                    | 1          | STATIC RAM, 512K X 32, 35 NS | Micross Comp,   | 0EU86     |
| 5962-9461113HAA                         | AS8S512K32Q1-35/883C                | 1          | STATIC RAM, 512K X 32, 35 NS | Micross Comp,   | 0EU86     |
| 5962-9461113HTA                         | AS8S512K32P-35/Q                    | 1          | STATIC RAM, 512K X 32, 35 NS | Micross Comp,   | 0EU86     |
| 5962-9461113HMA                         | AS8S512K32Q-35/Q                    | 1          | STATIC RAM, 512K X 32, 35 NS | Micross Comp,   | 0EU86     |
| 5962-9461113HAC                         | AS8S512K32Q1-35/883C                | 1          | STATIC RAM, 512K X 32, 35 NS | Micross Comp,   | 0EU86     |
| 5962-9461113HTC                         | AS8S512K32P-35/Q                    | 1          | STATIC RAM, 512K X 32, 35 NS | Micross Comp,   | 0EU86     |
| 5962-9461114HAA                         | WS512K32D-25G2LQ                    | 1          | STATIC RAM, 512K X 32, 25 NS | White           | 54230     |
| 5962-9461114HTA                         | WS512K32ND-25H1Q                    | 1          | STATIC RAM, 512K X 32, 25 NS | White           | 54230     |
| 5962-9461114HTC                         | WS512K32ND-25H1Q                    | 1          | STATIC RAM, 512K X 32, 25 NS | White           | 54230     |
| 5962-9461114HYC                         | WS512K32D-25G4TQ                    | 1          | STATIC RAM, 512K X 32, 25 NS | White           | 54230     |
| 5962-9461114HMC                         | WS512K32D-25G2Q                     | 1          | STATIC RAM, 512K X 32, 25 NS | White           | 54230     |
| 5962-9461114HAC                         | WS512K32D-25G2LQ                    | 1          | STATIC RAM, 512K X 32, 25 NS | White           | 54230     |
| 5962-9461114H9C                         | WS512K32D-25G1UQ                    | 1          | STATIC RAM, 512K X 32, 25 NS | White           | 54230     |
| 5962-9461114H9A                         | WS512K32D-25G1UQ                    | 1          | STATIC RAM, 512K X 32, 25 NS | White           | 54230     |
| 5962-9461114HBC                         | WS512K32D-25G1TQ                    | 1          | STATIC RAM, 512K X 32, 25 NS | White           | 54230     |
| 5962-9461114HBA                         | WS512K32D-25G1TQ                    | 1          | STATIC RAM, 512K X 32, 25 NS | White           | 54230     |
| 5962-9461114HMA                         | WS512K32D-25G2Q                     | 1          | STATIC RAM, 512K X 32, 25 NS | White           | 54230     |
| 5962-9461114HTC                         | AS8S512K32P-25/Q                    | 1          | STATIC RAM, 512K X 32, 25 NS | Micross Comp,   | 0EU86     |
| 5962-9461114HTA                         | AS8S512K32P-25/Q                    | 1          | STATIC RAM, 512K X 32, 25 NS | Micross Comp,   | 0EU86     |
| 5962-9461114HAC                         | AS8S512K32Q1-25/883C                | 1          | STATIC RAM, 512K X 32, 25 NS | Micross Comp,   | 0EU86     |
| 5962-9461114HMC                         | AS8S512K32Q-25/Q                    | 1          | STATIC RAM, 512K X 32, 25 NS | Micross Comp,   | 0EU86     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |                              |                 |           |
|---|-------------------------------------|------------|------------------------------|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description     | Approved Source | CAGE Code |
| 5962-9461114HMA                         | AS8S512K32Q-25/Q                    | 1          | STATIC RAM, 512K X 32, 25 NS | Micross Comp,   | 0EU86     |
| 5962-9461114HAA                         | AS8S512K32Q1-25/883C                | 1          | STATIC RAM, 512K X 32, 25 NS | Micross Comp,   | 0EU86     |
| 5962-9461115H9A                         | WS512K32D-20G1UQ                    | 1          | STATIC RAM, 512K X 32, 20 NS | White           | 54230     |
| 5962-9461115HTC                         | WS512K32ND-20H1Q                    | 1          | STATIC RAM, 512K X 32, 20 NS | White           | 54230     |
| 5962-9461115HTA                         | WS512K32ND-20H1Q                    | 1          | STATIC RAM, 512K X 32, 20 NS | White           | 54230     |
| 5962-9461115HMC                         | WS512K32D-20G2Q                     | 1          | STATIC RAM, 512K X 32, 20 NS | White           | 54230     |
| 5962-9461115HMA                         | WS512K32D-20G2Q                     | 1          | STATIC RAM, 512K X 32, 20 NS | White           | 54230     |
| 5962-9461115HAC                         | WS512K32D-20G2LQ                    | 1          | STATIC RAM, 512K X 32, 20 NS | White           | 54230     |
| 5962-9461115H9C                         | WS512K32D-20G1UQ                    | 1          | STATIC RAM, 512K X 32, 20 NS | White           | 54230     |
| 5962-9461115HYC                         | WS512K32D-20G4TQ                    | 1          | STATIC RAM, 512K X 32, 20 NS | White           | 54230     |
| 5962-9461115HBC                         | WS512K32D-20G1TQ                    | 1          | STATIC RAM, 512K X 32, 20 NS | White           | 54230     |
| 5962-9461115HBA                         | WS512K32D-20G1TQ                    | 1          | STATIC RAM, 512K X 32, 20 NS | White           | 54230     |
| 5962-9461115HAA                         | WS512K32D-20G2LQ                    | 1          | STATIC RAM, 512K X 32, 20 NS | White           | 54230     |
| 5962-9461115HAC                         | AS8S512K32Q1-20/883C                | 1          | STATIC RAM, 512K X 32, 20 NS | Micross Comp,   | 0EU86     |
| 5962-9461115HMC                         | AS8S512K32Q-20/Q                    | 1          | STATIC RAM, 512K X 32, 20 NS | Micross Comp,   | 0EU86     |
| 5962-9461115HAA                         | AS8S512K32Q1-20/883C                | 1          | STATIC RAM, 512K X 32, 20 NS | Micross Comp,   | 0EU86     |
| 5962-9461115HMA                         | AS8S512K32Q-20/Q                    | 1          | STATIC RAM, 512K X 32, 20 NS | Micross Comp,   | 0EU86     |
| 5962-9461115HTC                         | AS8S512K32P-20/Q                    | 1          | STATIC RAM, 512K X 32, 20 NS | Micross Comp,   | 0EU86     |
| 5962-9461115HTA                         | AS8S512K32P-20/Q                    | 1          | STATIC RAM, 512K X 32, 20 NS | Micross Comp,   | 0EU86     |
| 5962-9461116H9C                         | WS512K32D-17G1UQ                    | 1          | STATIC RAM, 512K X 32, 17 NS | White           | 54230     |
| 5962-9461116HYC                         | WS512K32D-17G4TQ                    | 1          | STATIC RAM, 512K X 32, 17 NS | White           | 54230     |
| 5962-9461116HMC                         | WS512K32D-17G2Q                     | 1          | STATIC RAM, 512K X 32, 17 NS | White           | 54230     |
| 5962-9461116HMA                         | WS512K32D-17G2Q                     | 1          | STATIC RAM, 512K X 32, 17 NS | White           | 54230     |
| 5962-9461116HBA                         | WS512K32D-17G1TQ                    | 1          | STATIC RAM, 512K X 32, 17 NS | White           | 54230     |
| 5962-9461116HAC                         | WS512K32D-17G2LQ                    | 1          | STATIC RAM, 512K X 32, 17 NS | White           | 54230     |
| 5962-9461116HAA                         | WS512K32D-17G2LQ                    | 1          | STATIC RAM, 512K X 32, 17 NS | White           | 54230     |
| 5962-9461116HTA                         | WS512K32ND-17H1Q                    | 1          | STATIC RAM, 512K X 32, 17 NS | White           | 54230     |
| 5962-9461116HTC                         | WS512K32ND-17H1Q                    | 1          | STATIC RAM, 512K X 32, 17 NS | White           | 54230     |
| 5962-9461116H9A                         | WS512K32D-17G1UQ                    | 1          | STATIC RAM, 512K X 32, 17 NS | White           | 54230     |
| 5962-9461116HBC                         | WS512K32D-17G1TQ                    | 1          | STATIC RAM, 512K X 32, 17 NS | White           | 54230     |
| 5962-9461116HTA                         | AS8S512K32P-17/Q                    | 1          | STATIC RAM, 512K X 32, 17 NS | Micross Comp,   | 0EU86     |
| 5962-9461116HAA                         | AS8S512K32Q1-17/883C                | 1          | STATIC RAM, 512K X 32, 17 NS | Micross Comp,   | 0EU86     |
| 5962-9461116HTC                         | AS8S512K32P-17/Q                    | 1          | STATIC RAM, 512K X 32, 17 NS | Micross Comp,   | 0EU86     |
| 5962-9461116HAC                         | AS8S512K32Q1-17/883C                | 1          | STATIC RAM, 512K X 32, 17 NS | Micross Comp,   | 0EU86     |
| 5962-9461116HMA                         | AS8S512K32Q-17/Q                    | 1          | STATIC RAM, 512K X 32, 17 NS | Micross Comp,   | 0EU86     |
| 5962-9461116HMC                         | AS8S512K32Q-17/Q                    | 1          | STATIC RAM, 512K X 32, 17 NS | Micross Comp,   | 0EU86     |
| 5962-9461117HMC                         | WS512K32D-15G2Q                     | 1          | STATIC RAM, 512K X 32, 15 NS | White           | 54230     |
| 5962-9461117HTA                         | WS512K32ND-15H1Q                    | 1          | STATIC RAM, 512K X 32, 15 NS | White           | 54230     |
| 5962-9461117HBA                         | WS512K32D-15G1TQ                    | 1          | STATIC RAM, 512K X 32, 15 NS | White           | 54230     |
| 5962-9461117HTC                         | WS512K32ND-15H1Q                    | 1          | STATIC RAM, 512K X 32, 15 NS | White           | 54230     |
| 5962-9461117HBC                         | WS512K32D-15G1TQ                    | 1          | STATIC RAM, 512K X 32, 15 NS | White           | 54230     |
| 5962-9461117H9A                         | WS512K32D-15G1UQ                    | 1          | STATIC RAM, 512K X 32, 15 NS | White           | 54230     |
| 5962-9461117H9C                         | WS512K32D-15G1UQ                    | 1          | STATIC RAM, 512K X 32, 15 NS | White           | 54230     |
| 5962-9461117HAA                         | WS512K32D-15G2LQ                    | 1          | STATIC RAM, 512K X 32, 15 NS | White           | 54230     |
| 5962-9461117HMA                         | WS512K32D-15G2Q                     | 1          | STATIC RAM, 512K X 32, 15 NS | White           | 54230     |
| 5962-9461117HAC                         | WS512K32D-15G2LQ                    | 1          | STATIC RAM, 512K X 32, 15 NS | White           | 54230     |
| 5962-9461117HMC                         | AS8S512K32Q-15/Q                    | 1          | STATIC RAM, 512K X 32, 15 NS | Micross Comp,   | 0EU86     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |                              |                 |           |
|---|-------------------------------------|------------|------------------------------|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description     | Approved Source | CAGE Code |
| 5962-9461117HAA                         | AS8S512K32Q1-15/883C                | 1          | STATIC RAM, 512K X 32, 15 NS | Micross Comp,   | 0EU86     |
| 5962-9461117HTA                         | AS8S512K32P-15/Q                    | 1          | STATIC RAM, 512K X 32, 15 NS | Micross Comp,   | 0EU86     |
| 5962-9461117HTC                         | AS8S512K32P-15/Q                    | 1          | STATIC RAM, 512K X 32, 15 NS | Micross Comp,   | 0EU86     |
| 5962-9461117HMA                         | AS8S512K32Q-15/Q                    | 1          | STATIC RAM, 512K X 32, 15 NS | Micross Comp,   | 0EU86     |
| 5962-9461117HAC                         | AS8S512K32Q1-15/883C                | 1          | STATIC RAM, 512K X 32, 15 NS | Micross Comp,   | 0EU86     |
| 5962-9461118HMA                         | WS512K32D-12G2Q                     | 1          | STATIC RAM, 512K X 32, 12 NS | White           | 54230     |
| 5962-9461118HAC                         | WS512K32D-12G2LQ                    | 1          | STATIC RAM, 512K X 32, 12 NS | White           | 54230     |
| 5962-9461118HAA                         | WS512K32D-12G2LQ                    | 1          | STATIC RAM, 512K X 32, 12 NS | White           | 54230     |
| 5962-9461118HTC                         | WS512K32ND-12H1Q                    | 1          | STATIC RAM, 512K X 32, 12 NS | White           | 54230     |
| 5962-9461118HTA                         | WS512K32ND-12H1Q                    | 1          | STATIC RAM, 512K X 32, 12 NS | White           | 54230     |
| 5962-9461118HMC                         | WS512K32D-12G2Q                     | 1          | STATIC RAM, 512K X 32, 12 NS | White           | 54230     |
| 5962-9461118H9C                         | WS512K32D-12G1UQ                    | 1          | STATIC RAM, 512K X 32, 12 NS | White           | 54230     |
| 5962-9461118HBC                         | WS512K32D-12G1TQ                    | 1          | STATIC RAM, 512K X 32, 12 NS | White           | 54230     |
| 5962-9461118HBA                         | WS512K32D-12G1TQ                    | 1          | STATIC RAM, 512K X 32, 12 NS | White           | 54230     |
| 5962-9461118H9A                         | WS512K32D-12G1UQ                    | 1          | STATIC RAM, 512K X 32, 12 NS | White           | 54230     |
| 5962-9461118HTC                         | AS8S512K32P-12/Q                    | 1          | STATIC RAM, 512K X 32, 12 NS | Micross Comp,   | 0EU86     |
| 5962-9461118HTA                         | AS8S512K32P-12/Q                    | 1          | STATIC RAM, 512K X 32, 12 NS | Micross Comp,   | 0EU86     |
| 5962-9461118HAA                         | AS8S512K32Q1-12/883C                | 1          | STATIC RAM, 512K X 32, 12 NS | Micross Comp,   | 0EU86     |
| 5962-9461118HAC                         | AS8S512K32Q1-12/883C                | 1          | STATIC RAM, 512K X 32, 12 NS | Micross Comp,   | 0EU86     |
| 5962-9461118HMA                         | AS8S512K32Q-12/Q                    | 1          | STATIC RAM, 512K X 32, 12 NS | Micross Comp,   | 0EU86     |
| 5962-9461118HMC                         | AS8S512K32Q-12/Q                    | 1          | STATIC RAM, 512K X 32, 12 NS | Micross Comp,   | 0EU86     |
| 5962-9461119HAA                         | WS512K32-15G2LQ                     | 1          | STATIC RAM, 512K X 32, 15 NS | White           | 54230     |
| 5962-9461119HTA                         | WS512K32N-15H1Q                     | 1          | STATIC RAM, 512K X 32, 15 NS | White           | 54230     |
| 5962-9461119HMC                         | WS512K32-15G2Q                      | 1          | STATIC RAM, 512K X 32, 15 NS | White           | 54230     |
| 5962-9461119HMA                         | WS512K32-15G2Q                      | 1          | STATIC RAM, 512K X 32, 15 NS | White           | 54230     |
| 5962-9461119HTC                         | WS512K32N-15H1Q                     | 1          | STATIC RAM, 512K X 32, 15 NS | White           | 54230     |
| 5962-9461119H9A                         | WS512K32-15G1UQ                     | 1          | STATIC RAM, 512K X 32, 15 NS | White           | 54230     |
| 5962-9461119H9C                         | WS512K32-15G1UQ                     | 1          | STATIC RAM, 512K X 32, 15 NS | White           | 54230     |
| 5962-9461119HBA                         | WS512K32-15G1TQ                     | 1          | STATIC RAM, 512K X 32, 15 NS | White           | 54230     |
| 5962-9461119HBC                         | WS512K32-15G1TQ                     | 1          | STATIC RAM, 512K X 32, 15 NS | White           | 54230     |
| 5962-9461119HAC                         | WS512K32-15G2LQ                     | 1          | STATIC RAM, 512K X 32, 15 NS | White           | 54230     |
| 5962-9461119HTA                         | AS8S512K32P-15L/Q                   | 1          | STATIC RAM, 512K X 32, 15 NS | Micross Comp,   | 0EU86     |
| 5962-9461119HTC                         | AS8S512K32P-15L/Q                   | 1          | STATIC RAM, 512K X 32, 15 NS | Micross Comp,   | 0EU86     |
| 5962-9461119HMA                         | AS8S512K32Q-15L/Q                   | 1          | STATIC RAM, 512K X 32, 15 NS | Micross Comp,   | 0EU86     |
| 5962-9461119HAA                         | AS8S512K32Q1-15L/883                | 1          | STATIC RAM, 512K X 32, 15 NS | Micross Comp,   | 0EU86     |
| 5962-9461119HMC                         | AS8S512K32Q-15L/Q                   | 1          | STATIC RAM, 512K X 32, 15 NS | Micross Comp,   | 0EU86     |
| 5962-9461119HAC                         | AS8S512K32Q1-15L/883                | 1          | STATIC RAM, 512K X 32, 15 NS | Micross Comp,   | 0EU86     |
| 5962-9461120HAA                         | WS512K32-12G2LQ                     | 1          | STATIC RAM, 512K X 32, 12 NS | White           | 54230     |
| 5962-9461120HBC                         | WS512K32-12G1TQ                     | 1          | STATIC RAM, 512K X 32, 12 NS | White           | 54230     |
| 5962-9461120H9C                         | WS512K32-12G1UQ                     | 1          | STATIC RAM, 512K X 32, 12 NS | White           | 54230     |
| 5962-9461120HBA                         | WS512K32-12G1TQ                     | 1          | STATIC RAM, 512K X 32, 12 NS | White           | 54230     |
| 5962-9461120H9A                         | WS512K32-12G1UQ                     | 1          | STATIC RAM, 512K X 32, 12 NS | White           | 54230     |
| 5962-9461120HMC                         | WS512K32-12G2Q                      | 1          | STATIC RAM, 512K X 32, 12 NS | White           | 54230     |
| 5962-9461120HMA                         | WS512K32-12G2Q                      | 1          | STATIC RAM, 512K X 32, 12 NS | White           | 54230     |
| 5962-9461120HAC                         | WS512K32-12G2LQ                     | 1          | STATIC RAM, 512K X 32, 12 NS | White           | 54230     |
| 5962-9461120HTA                         | WS512K32N-12H1Q                     | 1          | STATIC RAM, 512K X 32, 12 NS | White           | 54230     |
| 5962-9461120HTC                         | WS512K32N-12H1Q                     | 1          | STATIC RAM, 512K X 32, 12 NS | White           | 54230     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |   |                 |           |
|---|-------------------------------------|------------|---|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                    | Approved Source | CAGE Code |
| 5962-9461120HTC                         | AS8S512K32P-12L/Q                   | 1          | STATIC RAM, 512K X 32, 12 NS                | Micross Comp,   | 0EU86     |
| 5962-9461120HTA                         | AS8S512K32P-12L/Q                   | 1          | STATIC RAM, 512K X 32, 12 NS                | Micross Comp,   | 0EU86     |
| 5962-9461120HMA                         | AS8S512K32Q-12L/Q                   | 1          | STATIC RAM, 512K X 32, 12 NS                | Micross Comp,   | 0EU86     |
| 5962-9461120HAA                         | AS8S512K32Q1-12L/883                | 1          | STATIC RAM, 512K X 32, 12 NS                | Micross Comp,   | 0EU86     |
| 5962-9461120HAC                         | AS8S512K32Q1-12L/883                | 1          | STATIC RAM, 512K X 32, 12 NS                | Micross Comp,   | 0EU86     |
| 5962-9461120HMC                         | AS8S512K32Q-12L/Q                   | 1          | STATIC RAM, 512K X 32, 12 NS                | Micross Comp,   | 0EU86     |
| 5962-9461201HUC                         | ACT-F512K32N-150P7Q                 | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 150 NS | Aeroflex        | 88379     |
| 5962-9461201H4A                         | ACT-F512K32A-150P7Q                 | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 150 NS | Aeroflex        | 88379     |
| 5962-9461201H4C                         | ACT-F512K32A-150P7Q                 | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 150 NS | Aeroflex        | 88379     |
| 5962-9461201H4C                         | WF512K32N-150H1Q5                   | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 150 NS | White           | 54230     |
| 5962-9461201HMA                         | ACT-F512K32N-150F5Q                 | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 150 NS | Aeroflex        | 88379     |
| 5962-9461201HMC                         | ACT-F512K32N-150F5Q                 | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 150 NS | Aeroflex        | 88379     |
| 5962-9461201HYC                         | ACT-F512K32N-150F5UQ                | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 150 NS | Aeroflex        | 88379     |
| 5962-9461201HXA                         | ACT-F512K32N-150P3Q                 | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 150 NS | Aeroflex        | 88379     |
| 5962-9461201HUA                         | ACT-F512K32N-150P7Q                 | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 150 NS | Aeroflex        | 88379     |
| 5962-9461201HZA                         | WF512K32-150G2UQ5                   | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 150 NS | White           | 54230     |
| 5962-9461201HNC                         | WF512K32F-150G4Q5                   | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 150 NS | White           | 54230     |
| 5962-9461201HNA                         | WF512K32F-150G4Q5                   | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 150 NS | White           | 54230     |
| 5962-9461201HTC                         | WF512K32-150G4TQ5                   | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 150 NS | White           | 54230     |
| 5962-9461201HXC                         | ACT-F512K32N-150P3Q                 | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 150 NS | Aeroflex        | 88379     |
| 5962-9461201HZC                         | WF512K32-150G2UQ5                   | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 150 NS | White           | 54230     |
| 5962-9461201HMC                         | WF512K32-150G2QG                    | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 150 NS | White           | 54230     |
| 5962-9461201HMA                         | WF512K32-150G2Q5                    | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 150 NS | White           | 54230     |
| 5962-9461201HAC                         | WF512K32-150G2LQ5                   | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 150 NS | White           | 54230     |
| 5962-9461201HAA                         | WF512K32-150G2LQ5                   | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 150 NS | White           | 54230     |
| 5962-9461201H4A                         | WF512K32N-150H1Q5                   | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 150 NS | White           | 54230     |
| 5962-9461201HAA                         | AS8F512K32Q1-150/883                | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 150 NS | Micross Comp,   | 0EU86     |
| 5962-9461201HMA                         | AS8F512K32Q-150/883C                | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 150 NS | Micross Comp,   | 0EU86     |
| 5962-9461201HMC                         | AS8F512K32Q-150/883C                | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 150 NS | Micross Comp,   | 0EU86     |
| 5962-9461201HAC                         | AS8F512K32Q1-150/883                | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 150 NS | Micross Comp,   | 0EU86     |
| 5962-9461201H4C                         | AS8F512K32P-150/883C                | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 150 NS | Micross Comp,   | 0EU86     |
| 5962-9461201H4A                         | AS8F512K32P-150/883C                | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 150 NS | Micross Comp,   | 0EU86     |
| 5962-9461202HXA                         | ACT-F512K32N-120P3Q                 | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 120 NS | Aeroflex        | 88379     |
| 5962-9461202HMA                         | ACT-F512K32N-120F5Q                 | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 120 NS | Aeroflex        | 88379     |
| 5962-9461202HZC                         | WF512K32-120G2UQ5                   | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 120 NS | White           | 54230     |
| 5962-9461202H4A                         | ACT-F512K32A-120P7Q                 | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 120 NS | Aeroflex        | 88379     |
| 5962-9461202H4C                         | ACT-F512K32A-120P7Q                 | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 120 NS | Aeroflex        | 88379     |
| 5962-9461202HZA                         | WF512K32-120G2UQ5                   | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 120 NS | White           | 54230     |
| 5962-9461202HNC                         | WF512K32F-120G4Q5                   | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 120 NS | White           | 54230     |
| 5962-9461202HNA                         | WF512K32F-120G4Q5                   | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 120 NS | White           | 54230     |
| 5962-9461202HUC                         | ACT-F512K32N-120P7Q                 | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 120 NS | Aeroflex        | 88379     |
| 5962-9461202HMC                         | WF512K32-120G2Q5                    | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 120 NS | White           | 54230     |
| 5962-9461202H4C                         | WF512K32N-120H1Q5                   | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 120 NS | White           | 54230     |
| 5962-9461202HXC                         | ACT-F512K32N-120P3Q                 | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 120 NS | Aeroflex        | 88379     |
| 5962-9461202HUA                         | ACT-F512K32N-120P7Q                 | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 120 NS | Aeroflex        | 88379     |
| 5962-9461202HMA                         | WF512K32-120G2Q5                    | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 120 NS | White           | 54230     |
| 5962-9461202HAC                         | WF512K32-120G2LQ5                   | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 120 NS | White           | 54230     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |   |                 |           |
|---|-------------------------------------|------------|---|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                    | Approved Source | CAGE Code |
| 5962-9461202HTC                         | WF512K32-120G4TQ5                   | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 120 NS | White           | 54230     |
| 5962-9461202HAA                         | WF512K32-120G2LQ5                   | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 120 NS | White           | 54230     |
| 5962-9461202H4A                         | WF512K32N-120H1Q5                   | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 120 NS | White           | 54230     |
| 5962-9461202HMC                         | ACT-F512K32N-120F5Q                 | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 120 NS | Aeroflex        | 88379     |
| 5962-9461202HYC                         | ACT-F512K32N-120F5UQ                | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 120 NS | Aeroflex        | 88379     |
| 5962-9461202H4A                         | AS8F512K32P-120/883C                | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 120 NS | Micros Comp,    | 0EU86     |
| 5962-9461202HMA                         | AS8F512K32Q-120/883C                | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 120 NS | Micros Comp,    | 0EU86     |
| 5962-9461202HMC                         | AS8F512K32Q-120/883C                | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 120 NS | Micros Comp,    | 0EU86     |
| 5962-9461202H4C                         | AS8F512K32P-120/883C                | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 120 NS | Micros Comp,    | 0EU86     |
| 5962-9461202HAC                         | AS8F512K32Q1-120/883                | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 120 NS | Micros Comp,    | 0EU86     |
| 5962-9461202HAA                         | AS8F512K32Q1-120/883                | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 120 NS | Micros Comp,    | 0EU86     |
| 5962-9461203HTC                         | WF512K32-90G4TQ5                    | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 90 NS  | White           | 54230     |
| 5962-9461203H4C                         | ACT-F512K32A-090P7Q                 | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 90 NS  | Aeroflex        | 88379     |
| 5962-9461203HUA                         | ACT-F512K32N-090P7Q                 | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 90 NS  | Aeroflex        | 88379     |
| 5962-9461203HXC                         | ACT-F512K32N-090P3Q                 | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 90 NS  | Aeroflex        | 88379     |
| 5962-9461203HXA                         | ACT-F512K32N-090P3Q                 | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 90 NS  | Aeroflex        | 88379     |
| 5962-9461203HYC                         | ACT-F512K32N-090F5UQ                | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 90 NS  | Aeroflex        | 88379     |
| 5962-9461203HMC                         | ACT-F512K32N-090F5Q                 | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 90 NS  | Aeroflex        | 88379     |
| 5962-9461203HMA                         | ACT-F512K32N-090F5Q                 | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 90 NS  | Aeroflex        | 88379     |
| 5962-9461203HAA                         | WF512K32-90G2LQ5                    | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 90 NS  | White           | 54230     |
| 5962-9461203HAC                         | WF512K32-90G2LQ5                    | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 90 NS  | White           | 54230     |
| 5962-9461203HMA                         | WF512K32-90G2Q5                     | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 90 NS  | White           | 54230     |
| 5962-9461203HMC                         | WF512K32-90G2Q5                     | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 90 NS  | White           | 54230     |
| 5962-9461203HUC                         | ACT-F512K32N-090P7Q                 | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 90 NS  | Aeroflex        | 88379     |
| 5962-9461203HZC                         | WF512K32-90G2UQ5                    | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 90 NS  | White           | 54230     |
| 5962-9461203H4A                         | ACT-F512K32A-090P7Q                 | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 90 NS  | Aeroflex        | 88379     |
| 5962-9461203HNA                         | WF512K32F-90G4Q5                    | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 90 NS  | White           | 54230     |
| 5962-9461203HNC                         | WF512K32F-90G4Q5                    | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 90 NS  | White           | 54230     |
| 5962-9461203H4C                         | WF512K32N-90H1Q5                    | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 90 NS  | White           | 54230     |
| 5962-9461203H4A                         | WF512K32N-90H1Q5                    | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 90 NS  | White           | 54230     |
| 5962-9461203HZA                         | WF512K32-90G2UQ5                    | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 90 NS  | White           | 54230     |
| 5962-9461203HMC                         | AS8F512K32Q-90/883C                 | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 90 NS  | Micros Comp,    | 0EU86     |
| 5962-9461203HMA                         | AS8F512K32Q-90/883C                 | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 90 NS  | Micros Comp,    | 0EU86     |
| 5962-9461203HAA                         | AS8F512K32Q1-90/883C                | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 90 NS  | Micros Comp,    | 0EU86     |
| 5962-9461203H4A                         | AS8F512K32P-90/883C                 | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 90 NS  | Micros Comp,    | 0EU86     |
| 5962-9461203H4C                         | AS8F512K32P-90/883C                 | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 90 NS  | Micros Comp,    | 0EU86     |
| 5962-9461203HAC                         | AS8F512K32Q1-90/883C                | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 90 NS  | Micros Comp,    | 0EU86     |
| 5962-9461204HZC                         | WF512K32-70G2UQ5                    | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 70 NS  | White           | 54230     |
| 5962-9461204HUC                         | ACT-F512K32N-070P7Q                 | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 70 NS  | Aeroflex        | 88379     |
| 5962-9461204HUA                         | ACT-F512K32N-070P7Q                 | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 70 NS  | Aeroflex        | 88379     |
| 5962-9461204HXC                         | ACT-F512K32N-070P3Q                 | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 70 NS  | Aeroflex        | 88379     |
| 5962-9461204H4C                         | ACT-F512K32A-070P7Q                 | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 70 NS  | Aeroflex        | 88379     |
| 5962-9461204HXA                         | ACT-F512K32N-070P3Q                 | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 70 NS  | Aeroflex        | 88379     |
| 5962-9461204HMA                         | ACT-F512K32N-070F5Q                 | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 70 NS  | Aeroflex        | 88379     |
| 5962-9461204HMC                         | ACT-F512K32N-070F5Q                 | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 70 NS  | Aeroflex        | 88379     |
| 5962-9461204HAA                         | WF512K32-70G2LQ5                    | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 70 NS  | White           | 54230     |
| 5962-9461204HAC                         | WF512K32-70G2LQ5                    | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 70 NS  | White           | 54230     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                   | Approved Source | CAGE Code |
| 5962-9461204HMA                         | WF512K32-70G2Q5                     | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 70 NS | White           | 54230     |
| 5962-9461204HYC                         | ACT-F512K32N-070F5UQ                | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 70 NS | Aeroflex        | 88379     |
| 5962-9461204HZZA                        | WF512K32-70G2UQ5                    | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 70 NS | White           | 54230     |
| 5962-9461204HTC                         | WF512K32-70G4TQ5                    | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 70 NS | White           | 54230     |
| 5962-9461204HNA                         | WF512K32F-70G4Q5                    | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 70 NS | White           | 54230     |
| 5962-9461204HNC                         | WF512K32F-70G4Q5                    | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 70 NS | White           | 54230     |
| 5962-9461204H4A                         | ACT-F512K32A-070P7Q                 | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 70 NS | Aeroflex        | 88379     |
| 5962-9461204H4A                         | WF512K32N-70H1Q5                    | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 70 NS | White           | 54230     |
| 5962-9461204H4C                         | WF512K32N-70H1Q5                    | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 70 NS | White           | 54230     |
| 5962-9461204HMC                         | WF512K32-70G2Q5                     | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 70 NS | White           | 54230     |
| 5962-9461204HAC                         | AS8F512K32Q1-70/883C                | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 70 NS | Micross Comp,   | 0EU86     |
| 5962-9461204HAA                         | AS8F512K32Q1-70/883C                | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 70 NS | Micross Comp,   | 0EU86     |
| 5962-9461204HMA                         | AS8F512K32Q-70/883C                 | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 70 NS | Micross Comp,   | 0EU86     |
| 5962-9461204HMC                         | AS8F512K32Q-70/883C                 | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 70 NS | Micross Comp,   | 0EU86     |
| 5962-9461204H4A                         | AS8F512K32P-70/883C                 | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 70 NS | Micross Comp,   | 0EU86     |
| 5962-9461204H4C                         | AS8F512K32P-70/883C                 | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 70 NS | Micross Comp,   | 0EU86     |
| 5962-9461205HMC                         | WF512K32-60G2Q5                     | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 60 NS | White           | 54230     |
| 5962-9461205H4A                         | ACT-F512K32A-060P7Q                 | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 60 NS | Aeroflex        | 88379     |
| 5962-9461205H4C                         | ACT-F512K32A-060P7Q                 | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 60 NS | Aeroflex        | 88379     |
| 5962-9461205HMA                         | WF512K32-60G2Q5                     | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 60 NS | White           | 54230     |
| 5962-9461205H4C                         | WF512K32N-60H1Q5                    | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 60 NS | White           | 54230     |
| 5962-9461205H4A                         | WF512K32N-60H1Q5                    | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 60 NS | White           | 54230     |
| 5962-9461205HNC                         | WF512K32F-60G4Q5                    | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 60 NS | White           | 54230     |
| 5962-9461205HNA                         | WF512K32F-60G4Q5                    | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 60 NS | White           | 54230     |
| 5962-9461205HTC                         | WF512K32-60G4TQ5                    | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 60 NS | White           | 54230     |
| 5962-9461205HZC                         | WF512K32-60G2UQ5                    | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 60 NS | White           | 54230     |
| 5962-9461205HAC                         | WF512K32-60G2LQ5                    | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 60 NS | White           | 54230     |
| 5962-9461205HZZA                        | WF512K32-60G2UQ5                    | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 60 NS | White           | 54230     |
| 5962-9461205HMA                         | ACT-F512K32N-060F5Q                 | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 60 NS | Aeroflex        | 88379     |
| 5962-9461205HAA                         | WF512K32-60G2LQ5                    | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 60 NS | White           | 54230     |
| 5962-9461205HMC                         | ACT-F512K32N-060F5Q                 | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 60 NS | Aeroflex        | 88379     |
| 5962-9461205HYC                         | ACT-F512K32N-060F5UQ                | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 60 NS | Aeroflex        | 88379     |
| 5962-9461205HXA                         | ACT-F512K32N-060P3Q                 | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 60 NS | Aeroflex        | 88379     |
| 5962-9461205HXC                         | ACT-F512K32N-060P3Q                 | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 60 NS | Aeroflex        | 88379     |
| 5962-9461205HUA                         | ACT-F512K32N-060P7Q                 | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 60 NS | Aeroflex        | 88379     |
| 5962-9461205HUC                         | ACT-F512K32N-060P7Q                 | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 60 NS | Aeroflex        | 88379     |
| 5962-9461205HMC                         | AS8F512K32Q-60/883C                 | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 60 NS | Micross Comp,   | 0EU86     |
| 5962-9461205HAA                         | AS8F512K32Q1-60/883C                | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 60 NS | Micross Comp,   | 0EU86     |
| 5962-9461205HAC                         | AS8F512K32Q1-60/883C                | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 60 NS | Micross Comp,   | 0EU86     |
| 5962-9461205HMA                         | AS8F512K32Q-60/883C                 | 1          | PROM, FLASH ERASABLE, 512K X 32-BIT, 60 NS | Micross Comp,   | 0EU86     |
| 5962-9461401HZC                         | WE32K32-150G2UQ                     | 1          | PROM, ELECTR. ERASABLE, 32K X 32-BIT       | White           | 54230     |
| 5962-9461401H9A                         | WE32K32-150G1UQ                     | 1          | PROM, ELECTR. ERASABLE, 32K X 32-BIT       | White           | 54230     |
| 5962-9461401HXC                         | WE32K32N-150HQ                      | 1          | PROM, ELECTR. ERASABLE, 32K X 32-BIT       | White           | 54230     |
| 5962-9461401HXA                         | WE32K32N-150HQ                      | 1          | PROM, ELECTR. ERASABLE, 32K X 32-BIT       | White           | 54230     |
| 5962-9461401HUC                         | WE32K32N-150H1Q                     | 1          | PROM, ELECTR. ERASABLE, 32K X 32-BIT       | White           | 54230     |
| 5962-9461401HUA                         | WE32K32N-150H1Q                     | 1          | PROM, ELECTR. ERASABLE, 32K X 32-BIT       | White           | 54230     |
| 5962-9461401HZZA                        | WE32K32-150G2UQ                     | 1          | PROM, ELECTR. ERASABLE, 32K X 32-BIT       | White           | 54230     |



Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |   |                 |           |
|---|-------------------------------------|------------|---|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                | Approved Source | CAGE Code |
| 5962-9461401HMC                         | WE32K32-150G2Q                      | 1          | PROM, ELECTR. ERASABLE, 32K X 32-BIT    | White           | 54230     |
| 5962-9461401H9C                         | WE32K32-150G1UQ                     | 1          | PROM, ELECTR. ERASABLE, 32K X 32-BIT    | White           | 54230     |
| 5962-9461401HBC                         | WE32K32-150G1TQ                     | 1          | PROM, ELECTR. ERASABLE, 32K X 32-BIT    | White           | 54230     |
| 5962-9461401HBA                         | WE32K32-150G1TQ                     | 1          | PROM, ELECTR. ERASABLE, 32K X 32-BIT    | White           | 54230     |
| 5962-9461401HMA                         | WE32K32-150G2Q                      | 1          | PROM, ELECTR. ERASABLE, 32K X 32-BIT    | White           | 54230     |
| 5962-9461401HUA                         | AS8E32K32P-150/883C                 | 1          | PROM, ELECTR. ERASABLE, 32K X 32-BIT    | Micross Comp,   | 0EU86     |
| 5962-9461401HUC                         | AS8E32K32P-150/883C                 | 1          | PROM, ELECTR. ERASABLE, 32K X 32-BIT    | Micross Comp,   | 0EU86     |
| 5962-9461401HMA                         | AS8E32K32Q-150/883C                 | 1          | PROM, ELECTR. ERASABLE, 32K X 32-BIT    | Micross Comp,   | 0EU86     |
| 5962-9461401HMC                         | AS8E32K32Q-150/883C                 | 1          | PROM, ELECTR. ERASABLE, 32K X 32-BIT    | Micross Comp,   | 0EU86     |
| 5962-9461402HBA                         | WE32K32-120G1TQ                     | 1          | PROM, ELECTR. ERASABLE, 32K X 32-BIT    | White           | 54230     |
| 5962-9461402HZC                         | WE32K32-120G2UQ                     | 1          | PROM, ELECTR. ERASABLE, 32K X 32-BIT    | White           | 54230     |
| 5962-9461402HUC                         | WE32K32N-120H1Q                     | 1          | PROM, ELECTR. ERASABLE, 32K X 32-BIT    | White           | 54230     |
| 5962-9461402HZA                         | WE32K32-120G2UQ                     | 1          | PROM, ELECTR. ERASABLE, 32K X 32-BIT    | White           | 54230     |
| 5962-9461402HMC                         | WE32K32-120G2Q                      | 1          | PROM, ELECTR. ERASABLE, 32K X 32-BIT    | White           | 54230     |
| 5962-9461402HUA                         | WE32K32N-120H1Q                     | 1          | PROM, ELECTR. ERASABLE, 32K X 32-BIT    | White           | 54230     |
| 5962-9461402HXA                         | WE32K32N-120HQ                      | 1          | PROM, ELECTR. ERASABLE, 32K X 32-BIT    | White           | 54230     |
| 5962-9461402HXC                         | WE32K32N-120HQ                      | 1          | PROM, ELECTR. ERASABLE, 32K X 32-BIT    | White           | 54230     |
| 5962-9461402HMA                         | WE32K32-120G2Q                      | 1          | PROM, ELECTR. ERASABLE, 32K X 32-BIT    | White           | 54230     |
| 5962-9461402H9C                         | WE32K32-120G1UQ                     | 1          | PROM, ELECTR. ERASABLE, 32K X 32-BIT    | White           | 54230     |
| 5962-9461402H9A                         | WE32K32-120G1UQ                     | 1          | PROM, ELECTR. ERASABLE, 32K X 32-BIT    | White           | 54230     |
| 5962-9461402HBC                         | WE32K32-120G1TQ                     | 1          | PROM, ELECTR. ERASABLE, 32K X 32-BIT    | White           | 54230     |
| 5962-9461402HUA                         | AS8E32K32P-120/883C                 | 1          | PROM, ELECTR. ERASABLE, 32K X 32-BIT    | Micross Comp,   | 0EU86     |
| 5962-9461402HUC                         | AS8E32K32P-120/883C                 | 1          | PROM, ELECTR. ERASABLE, 32K X 32-BIT    | Micross Comp,   | 0EU86     |
| 5962-9461402HMA                         | AS8E32K32Q-120/883C                 | 1          | PROM, ELECTR. ERASABLE, 32K X 32-BIT    | Micross Comp,   | 0EU86     |
| 5962-9461402HMC                         | AS8E32K32Q-120/883C                 | 1          | PROM, ELECTR. ERASABLE, 32K X 32-BIT    | Micross Comp,   | 0EU86     |
| 5962-9461403HUA                         | WE32K32N-90H1Q                      | 1          | PROM, ELECTR. ERASABLE, 32K X 32-BIT    | White           | 54230     |
| 5962-9461403HXC                         | WE32K32-90HQ                        | 1          | PROM, ELECTR. ERASABLE, 32K X 32-BIT    | White           | 54230     |
| 5962-9461403HUC                         | WE32K32N-90H1Q                      | 1          | PROM, ELECTR. ERASABLE, 32K X 32-BIT    | White           | 54230     |
| 5962-9461403HXA                         | WE32K32-90HQ                        | 1          | PROM, ELECTR. ERASABLE, 32K X 32-BIT    | White           | 54230     |
| 5962-9461403HZC                         | WE32K32-90G2UQ                      | 1          | PROM, ELECTR. ERASABLE, 32K X 32-BIT    | White           | 54230     |
| 5962-9461403HZA                         | WE32K32-90G2UQ                      | 1          | PROM, ELECTR. ERASABLE, 32K X 32-BIT    | White           | 54230     |
| 5962-9461403HMC                         | WE32K32-90G2Q                       | 1          | PROM, ELECTR. ERASABLE, 32K X 32-BIT    | White           | 54230     |
| 5962-9461403HMA                         | WE32K32-90G2Q                       | 1          | PROM, ELECTR. ERASABLE, 32K X 32-BIT    | White           | 54230     |
| 5962-9461403H9C                         | WE32K32-90G1UQ                      | 1          | PROM, ELECTR. ERASABLE, 32K X 32-BIT    | White           | 54230     |
| 5962-9461403H9A                         | WE32K32-90G1UQ                      | 1          | PROM, ELECTR. ERASABLE, 32K X 32-BIT    | White           | 54230     |
| 5962-9461403HBA                         | WE32K32-90G1TQ                      | 1          | PROM, ELECTR. ERASABLE, 32K X 32-BIT    | White           | 54230     |
| 5962-9461403HBC                         | WE32K32-90G1TQ                      | 1          | PROM, ELECTR. ERASABLE, 32K X 32-BIT    | White           | 54230     |
| 5962-9461403HMA                         | AS8E32K32Q-90/883C                  | 1          | PROM, ELECTR. ERASABLE, 32K X 32-BIT    | Micross Comp,   | 0EU86     |
| 5962-9461403HUC                         | AS8E32K32P-90/883C                  | 1          | PROM, ELECTR. ERASABLE, 32K X 32-BIT    | Micross Comp,   | 0EU86     |
| 5962-9461403HUA                         | AS8E32K32P-90/883C                  | 1          | PROM, ELECTR. ERASABLE, 32K X 32-BIT    | Micross Comp,   | 0EU86     |
| 5962-9461403HMC                         | AS8E32K32Q-90/883C                  | 1          | PROM, ELECTR. ERASABLE, 32K X 32-BIT    | Micross Comp,   | 0EU86     |
| 5962-9462301HXA                         | AHF2815T/CH                         | 1          | DC/DC CONVERTER, TRIPLE CHANNEL, HYBRID | IR Santa Clara  | 52467     |
| 5962-9462301HZC                         | AHF2815TF/CH                        | 1          | DC/DC CONVERTER, TRIPLE CHANNEL, HYBRID | IR Santa Clara  | 52467     |
| 5962-9462301HZA                         | AHF2815TF/CH                        | 1          | DC/DC CONVERTER, TRIPLE CHANNEL, HYBRID | IR Santa Clara  | 52467     |
| 5962-9462301HXC                         | AHF2815T/CH                         | 1          | DC/DC CONVERTER, TRIPLE CHANNEL, HYBRID | IR Santa Clara  | 52467     |
| 5962-9462401HXA                         | ATR2805S/CH                         | 1          | DC/DC CONVERTER, 30W, 5V OUTPUT         | IR Santa Clara  | 52467     |
| 5962-9462401HZA                         | ATR2805SF/CH                        | 1          | DC/DC CONVERTER, 30W, 5V OUTPUT         | IR Santa Clara  | 52467     |

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |   |                 |           |
|---|-------------------------------------|------------|---|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                            | Approved Source | CAGE Code |
| 5962-9462501HZA                         | ATR2812SF/CH                        | 1          | DC/DC CONVERTER, 30W, 12 V OUTPUT                   | IR Santa Clara  | 52467     |
| 5962-9462501HXA                         | ATR2812S/CH                         | 1          | DC/DC CONVERTER, 30W, 12 V OUTPUT                   | IR Santa Clara  | 52467     |
| 5962-9462601HZA                         | ATR2815SF/CH                        | 1          | DC/DC CONVERTER, 30W, 15V OUTPUT                    | IR Santa Clara  | 52467     |
| 5962-9462601HXA                         | ATR2815S/CH                         | 1          | DC/DC CONVERTER, 30W, 15V OUTPUT                    | IR Santa Clara  | 52467     |
| 5962-9462701HZA                         | ATR2812DF/CH                        | 1          | DC/DC CONVERTER, 30W, +/-12V OUTPUT, DUAL CHANNEL   | IR Santa Clara  | 52467     |
| 5962-9462701HXA                         | ATR2812D/CH                         | 1          | DC/DC CONVERTER, 30W, +/-12V OUTPUT, DUAL CHANNEL   | IR Santa Clara  | 52467     |
| 5962-9462801HZA                         | ATR2815DF/CH                        | 1          | DC/DC CONVERTER, 30W, +/-15V OUTPUT, DUAL CHANNEL   | IR Santa Clara  | 52467     |
| 5962-9462801HXA                         | ATR2815D/CH                         | 1          | DC/DC CONVERTER, 30W, +/-15V OUTPUT, DUAL CHANNEL   | IR Santa Clara  | 52467     |
| 5962-9462901HXA                         | ASA2805S/CH                         | 1          | DC/DC CONVERTER, 5 W, 5 V OUTPUT, SINGLE CHANNEL    | IR Santa Clara  | 52467     |
| 5962-9462902HYA                         | DHC2805SH                           | 1          | DC/DC CONVERTER, 6 W, 5 V OUTPUT, SINGLE CHANNEL    | MSK             | 51651     |
| 5962-9462902HYC                         | DHC2805SH                           | 1          | DC/DC CONVERTER, 6 W, 5 V OUTPUT, SINGLE CHANNEL    | MSK             | 51651     |
| 5962-9463001HXA                         | ASA2815S/CH                         | 1          | DC/DC CONVERTER, 5 W, 15 V OUTPUT, SINGLE CHANNEL   | IR Santa Clara  | 52467     |
| 5962-9463101HXA                         | ASA2812S/CH                         | 1          | DC/DC CONVERTER, 5 W, 12 V OUTPUT, SINGLE CHANNEL   | IR Santa Clara  | 52467     |
| 5962-9463102HYA                         | DAC2812SH                           | 1          | DC/DC CONVERTER, 5.4 W, 12 V OUTPUT, SINGLE CHANNEL | MSK             | 51651     |
| 5962-9463102HYC                         | DAC2812SH                           | 1          | DC/DC CONVERTER, 5.4 W, 12 V OUTPUT, SINGLE CHANNEL | MSK             | 51651     |
| 5962-9464901HXA                         | ASA2815D/CH                         | 1          | DC/DC CONVERTER, 5 W, +/-15 V OUTPUT, HYBRID        | IR Santa Clara  | 52467     |
| 5962-9471601HVA                         | WF128K32-150HSQ5                    | 1          | PROM, FLASH ERASABLE, 128K X 32                     | White           | 54230     |
| 5962-9471601HUC                         | WF128K32-150HQ5                     | 1          | PROM, FLASH ERASABLE, 128K X 32                     | White           | 54230     |
| 5962-9471601H6C                         | WF128K32-150H1Q5                    | 1          | PROM, FLASH ERASABLE, 128K X 32                     | White           | 54230     |
| 5962-9471601H8C                         | ACT-F128K32N-150P7Q                 | 1          | PROM, FLASH ERASABLE, 128K X 32                     | Aeroflex        | 88379     |
| 5962-9471601H4C                         | WF128K32-150G4Q5                    | 1          | PROM, FLASH ERASABLE, 128K X 32                     | White           | 54230     |
| 5962-9471601HNC                         | WF128K32-150G2UQ5                   | 1          | PROM, FLASH ERASABLE, 128K X 32                     | White           | 54230     |
| 5962-9471601HNA                         | WF128K32-150G2UQ5                   | 1          | PROM, FLASH ERASABLE, 128K X 32                     | White           | 54230     |
| 5962-9471601HMC                         | WF128K32-150G2Q5                    | 1          | PROM, FLASH ERASABLE, 128K X 32                     | White           | 54230     |
| 5962-9471601HMA                         | WF128K32-150G2Q5                    | 1          | PROM, FLASH ERASABLE, 128K X 32                     | White           | 54230     |
| 5962-9471601HAC                         | WF128K32-150G2LQ5                   | 1          | PROM, FLASH ERASABLE, 128K X 32                     | White           | 54230     |
| 5962-9471601HMA                         | ACT-F128K32N-150F5Q                 | 1          | PROM, FLASH ERASABLE, 128K X 32                     | Aeroflex        | 88379     |
| 5962-9471601HBA                         | WF128K32-150G1TQ5                   | 1          | PROM, FLASH ERASABLE, 128K X 32                     | White           | 54230     |
| 5962-9471601H9C                         | WF128K32-150G1UQ5                   | 1          | PROM, FLASH ERASABLE, 128K X 32                     | White           | 54230     |
| 5962-9471601HZA                         | ACT-F128K32N-150P3Q                 | 1          | PROM, FLASH ERASABLE, 128K X 32                     | Aeroflex        | 88379     |
| 5962-9471601H9A                         | WF128K32-150G1UQ5                   | 1          | PROM, FLASH ERASABLE, 128K X 32                     | White           | 54230     |
| 5962-9471601HBC                         | WF128K32-150G1TQ5                   | 1          | PROM, FLASH ERASABLE, 128K X 32                     | White           | 54230     |
| 5962-9471601HMC                         | ACT-F128K32N-150F5Q                 | 1          | PROM, FLASH ERASABLE, 128K X 32                     | Aeroflex        | 88379     |
| 5962-9471601HNA                         | ACT-F128K32N-150F5Q                 | 1          | PROM, FLASH ERASABLE, 128K X 32                     | Aeroflex        | 88379     |
| 5962-9471601H8A                         | ACT-F128K32N-150P7Q                 | 1          | PROM, FLASH ERASABLE, 128K X 32                     | Aeroflex        | 88379     |
| 5962-9471601HVC                         | WF128K32-150HSQ5                    | 1          | PROM, FLASH ERASABLE, 128K X 32                     | White           | 54230     |
| 5962-9471601HZC                         | ACT-F128K32N-150P3Q                 | 1          | PROM, FLASH ERASABLE, 128K X 32                     | Aeroflex        | 88379     |
| 5962-9471601HUA                         | WF128K32-150HQ5                     | 1          | PROM, FLASH ERASABLE, 128K X 32                     | White           | 54230     |
| 5962-9471601HNC                         | ACT-F128K32N-150F5Q                 | 1          | PROM, FLASH ERASABLE, 128K X 32                     | Aeroflex        | 88379     |
| 5962-9471601HAA                         | WF128K32-150G2LQ5                   | 1          | PROM, FLASH ERASABLE, 128K X 32                     | White           | 54230     |
| 5962-9471601HSC                         | WF128K32A-150HQ5                    | 1          | PROM, FLASH ERASABLE, 128K X 32                     | White           | 54230     |
| 5962-9471601HZC                         | WF128K32N-150HSQ5                   | 1          | PROM, FLASH ERASABLE, 128K X 32                     | White           | 54230     |
| 5962-9471601H8A                         | WF128K32N-150H1Q5                   | 1          | PROM, FLASH ERASABLE, 128K X 32                     | White           | 54230     |
| 5962-9471601HZA                         | WF128K32N-150HSQ5                   | 1          | PROM, FLASH ERASABLE, 128K X 32                     | White           | 54230     |
| 5962-9471601HYC                         | WF128K32N-150HQ5                    | 1          | PROM, FLASH ERASABLE, 128K X 32                     | White           | 54230     |

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |                                 |                 |           |
|---|-------------------------------------|------------|---------------------------------|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description        | Approved Source | CAGE Code |
| 5962-9471601HYA                         | WF128K32N-150HQ5                    | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471601H6A                         | WF128K32-150H1Q5                    | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471601H8C                         | WF128K32N-150H1Q5                   | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471601HTA                         | WF128K32A-150HSQ5                   | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471601HSA                         | WF128K32A-150HQ5                    | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471601H5C                         | WF128K32A-150H1Q5                   | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471601H5A                         | WF128K32A-150H1Q5                   | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471601H7A                         | WF128K32NA-150H1Q5                  | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471601H7C                         | WF128K32NA-150H1Q5                  | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471601HWA                         | WF128K32NA-150HQ5                   | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471601HWC                         | WF128K32NA-150HQ5                   | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471601HXA                         | WF128K32NA-150HSQ5                  | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471601HXC                         | WF128K32NA-150HSQ5                  | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471601HTC                         | WF128K32A-150HSQ5                   | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471601HMC                         | AS8F128K32Q-150/Q                   | 1          | PROM, FLASH ERASABLE, 128K X 32 | Micross Comp,   | 0EU86     |
| 5962-9471601HAA                         | AS8F128K32Q1-150/Q                  | 1          | PROM, FLASH ERASABLE, 128K X 32 | Micross Comp,   | 0EU86     |
| 5962-9471601HAC                         | AS8F128K32Q1-150/Q                  | 1          | PROM, FLASH ERASABLE, 128K X 32 | Micross Comp,   | 0EU86     |
| 5962-9471601HMA                         | AS8F128K32Q-150/Q                   | 1          | PROM, FLASH ERASABLE, 128K X 32 | Micross Comp,   | 0EU86     |
| 5962-9471601HNC                         | AS8F128K32Q-150/Q                   | 1          | PROM, FLASH ERASABLE, 128K X 32 | Micross Comp,   | 0EU86     |
| 5962-9471601HNA                         | AS8F128K32Q-150/Q                   | 1          | PROM, FLASH ERASABLE, 128K X 32 | Micross Comp,   | 0EU86     |
| 5962-9471602HZC                         | ACT-F128K32N-120P3Q                 | 1          | PROM, FLASH ERASABLE, 128K X 32 | Aeroflex        | 88379     |
| 5962-9471602HWA                         | WF128K32NA-120HQ5                   | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471602H7A                         | WF128K32NA-120H1Q5                  | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471602H7C                         | WF128K32NA-120H1Q5                  | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471602HWC                         | WF128K32NA-120HQ5                   | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471602HXA                         | WF128K32NA-120HSQ5                  | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471602HMA                         | ACT-F128K32N-120F5Q                 | 1          | PROM, FLASH ERASABLE, 128K X 32 | Aeroflex        | 88379     |
| 5962-9471602HMC                         | ACT-F128K32N-120F5Q                 | 1          | PROM, FLASH ERASABLE, 128K X 32 | Aeroflex        | 88379     |
| 5962-9471602HNA                         | ACT-F128K32N-120F5Q                 | 1          | PROM, FLASH ERASABLE, 128K X 32 | Aeroflex        | 88379     |
| 5962-9471602HZA                         | ACT-F128K32N-120P3Q                 | 1          | PROM, FLASH ERASABLE, 128K X 32 | Aeroflex        | 88379     |
| 5962-9471602HAA                         | WF128K32-120G2LQ5                   | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471602H8A                         | ACT-F128K32N-120P7Q                 | 1          | PROM, FLASH ERASABLE, 128K X 32 | Aeroflex        | 88379     |
| 5962-9471602H8C                         | ACT-F128K32N-120P7Q                 | 1          | PROM, FLASH ERASABLE, 128K X 32 | Aeroflex        | 88379     |
| 5962-9471602HXC                         | WF128K32NA-120HSQ5                  | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471602HNC                         | ACT-F128K32N-120F5Q                 | 1          | PROM, FLASH ERASABLE, 128K X 32 | Aeroflex        | 88379     |
| 5962-9471602HUC                         | WF128K32-120HQ5                     | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471602H5C                         | WF128K32A-120H1Q5                   | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471602HSA                         | WF128K32A-120HQ5                    | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471602HSC                         | WF128K32A-120HQ5                    | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471602H4C                         | WF128K32-120G4Q5                    | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471602HTA                         | WF128K32A-120HSQ5                   | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471602HTC                         | WF128K32A-120HSQ5                   | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471602H8A                         | WF128K32N-120H1Q5                   | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471602H8C                         | WF128K32N-120H1Q5                   | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471602HYA                         | WF128K32N-120HQ5                    | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471602HYC                         | WF128K32N-120HQ5                    | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471602HZA                         | WF128K32N-120HSQ5                   | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |                                 |                 |           |
|---|-------------------------------------|------------|---------------------------------|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description        | Approved Source | CAGE Code |
| 5962-9471602H9A                         | WF128K32-120G1UQ5                   | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471602HVA                         | WF128K32-120HSQ5                    | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471602HBA                         | WF128K32-120G1TQ5                   | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471602HUA                         | WF128K32-120HQ5                     | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471602HZC                         | WF128K32N-120HSQ5                   | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471602H6A                         | WF128K32-120H1Q5                    | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471602HNC                         | WF128K32-120G2UQ5                   | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471602HNA                         | WF128K32-120G2UQ5                   | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471602HMC                         | WF128K32-120G2Q5                    | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471602HMA                         | WF128K32-120G2Q5                    | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471602HAC                         | WF128K32-120G2LQ5                   | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471602H5A                         | WF128K32A-120H1Q5                   | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471602H9C                         | WF128K32-120G1UQ5                   | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471602HBC                         | WF128K32-120G1TQ5                   | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471602HVC                         | WF128K32-120HSQ5                    | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471602H6C                         | WF128K32-120H1Q5                    | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471602HMC                         | AS8F128K32Q-120/Q                   | 1          | PROM, FLASH ERASABLE, 128K X 32 | Micros Comp,    | 0EU86     |
| 5962-9471602HAA                         | AS8F128K32Q1-120/Q                  | 1          | PROM, FLASH ERASABLE, 128K X 32 | Micros Comp,    | 0EU86     |
| 5962-9471602HAC                         | AS8F128K32Q1-120/Q                  | 1          | PROM, FLASH ERASABLE, 128K X 32 | Micros Comp,    | 0EU86     |
| 5962-9471602HMA                         | AS8F128K32Q-120/Q                   | 1          | PROM, FLASH ERASABLE, 128K X 32 | Micros Comp,    | 0EU86     |
| 5962-9471602HNA                         | AS8F128K32Q-120/Q                   | 1          | PROM, FLASH ERASABLE, 128K X 32 | Micros Comp,    | 0EU86     |
| 5962-9471602HNC                         | AS8F128K32Q-120/Q                   | 1          | PROM, FLASH ERASABLE, 128K X 32 | Micros Comp,    | 0EU86     |
| 5962-9471603HZC                         | WF128K32N-90HSQ5                    | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471603HTC                         | WF128K32A-90HSQ5                    | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471603HUA                         | WF128K32-90HQ5                      | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471603H6C                         | WF128K32-90H1Q5                     | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471603H6A                         | WF128K32-90H1Q5                     | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471603H4C                         | WF128K32-90G4Q5                     | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471603HNC                         | WF128K32-90G2UQ5                    | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471603HNA                         | WF128K32-90G2UQ5                    | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471603HMC                         | WF128K32-90G2Q5                     | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471603HMA                         | WF128K32-90G2Q5                     | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471603HAC                         | WF128K32-90G2LQ5                    | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471603HBC                         | WF128K32-90G1TQ5                    | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471603H7C                         | WF128K32NA-90H1Q5                   | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471603HZA                         | WF128K32N-90HSQ5                    | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471603HYC                         | WF128K32N-90HQ5                     | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471603HYA                         | WF128K32N-90HQ5                     | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471603H8C                         | WF128K32N-90H1Q5                    | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471603H8A                         | WF128K32N-90H1Q5                    | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471603H9A                         | WF128K32-90G1UQ5                    | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471603H9C                         | WF128K32-90G1UQ5                    | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471603HAA                         | WF128K32-90G2LQ5                    | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471603HBA                         | WF128K32-90G1TQ5                    | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471603HUC                         | WF128K32-90HQ5                      | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471603HMA                         | ACT-F128K32N-090F5Q                 | 1          | PROM, FLASH ERASABLE, 128K X 32 | Aeroflex        | 88379     |
| 5962-9471603HMC                         | ACT-F128K32N-090F5Q                 | 1          | PROM, FLASH ERASABLE, 128K X 32 | Aeroflex        | 88379     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |                                 |                 |           |
|---|-------------------------------------|------------|---------------------------------|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description        | Approved Source | CAGE Code |
| 5962-9471603HNA                         | ACT-F128K32N-090F5Q                 | 1          | PROM, FLASH ERASABLE, 128K X 32 | Aeroflex        | 88379     |
| 5962-9471603HNC                         | ACT-F128K32N-090F5Q                 | 1          | PROM, FLASH ERASABLE, 128K X 32 | Aeroflex        | 88379     |
| 5962-9471603HZA                         | ACT-F128K32N-090P3Q                 | 1          | PROM, FLASH ERASABLE, 128K X 32 | Aeroflex        | 88379     |
| 5962-9471603HZC                         | ACT-F128K32N-090P3Q                 | 1          | PROM, FLASH ERASABLE, 128K X 32 | Aeroflex        | 88379     |
| 5962-9471603H8A                         | ACT-F128K32N-090P7Q                 | 1          | PROM, FLASH ERASABLE, 128K X 32 | Aeroflex        | 88379     |
| 5962-9471603H8C                         | ACT-F128K32N-090P7Q                 | 1          | PROM, FLASH ERASABLE, 128K X 32 | Aeroflex        | 88379     |
| 5962-9471603HTA                         | WF128K32A-90HSQ5                    | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471603HVA                         | WF128K32-90HSQ5                     | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471603H7A                         | WF128K32NA-90H1Q5                   | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471603H5A                         | WF128K32A-90H1Q5                    | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471603H5C                         | WF128K32A-90H1Q5                    | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471603HSA                         | WF128K32A-90HQ5                     | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471603HSC                         | WF128K32A-90HQ5                     | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471603HXC                         | WF128K32NA-90HSQ5                   | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471603HXA                         | WF128K32NA-90HSQ5                   | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471603HWC                         | WF128K32NA-90HQ5                    | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471603HWA                         | WF128K32NA-90HQ5                    | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471603HVC                         | WF128K32-90HSQ5                     | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471603HMA                         | AS8F128K32Q-90/Q                    | 1          | PROM, FLASH ERASABLE, 128K X 32 | Micros Comp,    | 0EU86     |
| 5962-9471603HAA                         | AS8F128K32Q1-90/Q                   | 1          | PROM, FLASH ERASABLE, 128K X 32 | Micros Comp,    | 0EU86     |
| 5962-9471603HNC                         | AS8F128K32Q-90/Q                    | 1          | PROM, FLASH ERASABLE, 128K X 32 | Micros Comp,    | 0EU86     |
| 5962-9471603HNA                         | AS8F128K32Q-90/Q                    | 1          | PROM, FLASH ERASABLE, 128K X 32 | Micros Comp,    | 0EU86     |
| 5962-9471603HMC                         | AS8F128K32Q-90/Q                    | 1          | PROM, FLASH ERASABLE, 128K X 32 | Micros Comp,    | 0EU86     |
| 5962-9471603HAC                         | AS8F128K32Q1-90/Q                   | 1          | PROM, FLASH ERASABLE, 128K X 32 | Micros Comp,    | 0EU86     |
| 5962-9471604HUC                         | WF128K32-70HQ5                      | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471604HNA                         | WF128K32-70G2UQ5                    | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471604HBA                         | WF128K32-70G1TQ5                    | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471604HBC                         | WF128K32-70G1TQ5                    | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471604H9A                         | WF128K32-70G1UQ5                    | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471604H9C                         | WF128K32-70G1UQ5                    | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471604HAA                         | WF128K32-70G2LQ5                    | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471604HAC                         | WF128K32-70G2LQ5                    | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471604HVC                         | WF128K32-70HSQ5                     | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471604HMC                         | WF128K32-70G2Q5                     | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471604H5A                         | WF128K32A-70H1Q5                    | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471604HNC                         | WF128K32-70G2UQ5                    | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471604H4C                         | WF128K32-70G4Q5                     | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471604H6A                         | WF128K32-70H1Q5                     | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471604H6C                         | WF128K32-70H1Q5                     | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471604HUA                         | WF128K32-70HQ5                      | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471604H5C                         | WF128K32A-70H1Q5                    | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471604HVA                         | WF128K32-70HSQ5                     | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471604HMA                         | WF128K32-70G2Q5                     | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471604H8C                         | ACT-F128K32N-070P7Q                 | 1          | PROM, FLASH ERASABLE, 128K X 32 | Aeroflex        | 88379     |
| 5962-9471604HYA                         | WF128K32N-70HQ5                     | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471604HYC                         | WF128K32N-70HQ5                     | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471604HZA                         | WF128K32N-70HSQ5                    | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |                                 |                 |           |
|---|-------------------------------------|------------|---------------------------------|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description        | Approved Source | CAGE Code |
| 5962-9471604HZC                         | WF128K32N-70HSQ5                    | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471604H7A                         | WF128K32NA-70H1Q5                   | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471604H7C                         | WF128K32NA-70H1Q5                   | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471604H8C                         | WF128K32N-70H1Q5                    | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471604HXA                         | WF128K32NA-70HSQ5                   | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471604HWC                         | WF128K32NA-70HQ5                    | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471604H8A                         | ACT-F128K32N-070P7Q                 | 1          | PROM, FLASH ERASABLE, 128K X 32 | Aeroflex        | 88379     |
| 5962-9471604HZC                         | ACT-F128K32N-070P3Q                 | 1          | PROM, FLASH ERASABLE, 128K X 32 | Aeroflex        | 88379     |
| 5962-9471604HZA                         | ACT-F128K32N-070P3Q                 | 1          | PROM, FLASH ERASABLE, 128K X 32 | Aeroflex        | 88379     |
| 5962-9471604HNC                         | ACT-F128K32N-070F5Q                 | 1          | PROM, FLASH ERASABLE, 128K X 32 | Aeroflex        | 88379     |
| 5962-9471604HNA                         | ACT-F128K32N-070F5Q                 | 1          | PROM, FLASH ERASABLE, 128K X 32 | Aeroflex        | 88379     |
| 5962-9471604HMC                         | ACT-F128K32N-070F5Q                 | 1          | PROM, FLASH ERASABLE, 128K X 32 | Aeroflex        | 88379     |
| 5962-9471604HMA                         | ACT-F128K32N-070F5Q                 | 1          | PROM, FLASH ERASABLE, 128K X 32 | Aeroflex        | 88379     |
| 5962-9471604HWA                         | WF128K32NA-70HQ5                    | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471604HTC                         | WF128K32A-70HSQ5                    | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471604H8A                         | WF128K32N-70H1Q5                    | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471604HSC                         | WF128K32A-70HQ5                     | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471604HTA                         | WF128K32A-70HSQ5                    | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471604HXC                         | WF128K32NA-70HSQ5                   | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471604HSA                         | WF128K32A-70HQ5                     | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471604HNA                         | AS8F128K32Q-70/Q                    | 1          | PROM, FLASH ERASABLE, 128K X 32 | Micross Comp,   | 0EU86     |
| 5962-9471604HMC                         | AS8F128K32Q-70/Q                    | 1          | PROM, FLASH ERASABLE, 128K X 32 | Micross Comp,   | 0EU86     |
| 5962-9471604HMA                         | AS8F128K32Q-70/Q                    | 1          | PROM, FLASH ERASABLE, 128K X 32 | Micross Comp,   | 0EU86     |
| 5962-9471604HAA                         | AS8F128K32Q1-70/Q                   | 1          | PROM, FLASH ERASABLE, 128K X 32 | Micross Comp,   | 0EU86     |
| 5962-9471604HNC                         | AS8F128K32Q-70/Q                    | 1          | PROM, FLASH ERASABLE, 128K X 32 | Micross Comp,   | 0EU86     |
| 5962-9471604HAC                         | AS8F128K32Q1-70/Q                   | 1          | PROM, FLASH ERASABLE, 128K X 32 | Micross Comp,   | 0EU86     |
| 5962-9471605H8A                         | ACT-F128K32N-060P7Q                 | 1          | PROM, FLASH ERASABLE, 128K X 32 | Aeroflex        | 88379     |
| 5962-9471605HZC                         | ACT-F128K32N-060P3Q                 | 1          | PROM, FLASH ERASABLE, 128K X 32 | Aeroflex        | 88379     |
| 5962-9471605HZA                         | ACT-F128K32N-060P3Q                 | 1          | PROM, FLASH ERASABLE, 128K X 32 | Aeroflex        | 88379     |
| 5962-9471605HNC                         | ACT-F128K32N-060F5Q                 | 1          | PROM, FLASH ERASABLE, 128K X 32 | Aeroflex        | 88379     |
| 5962-9471605HNA                         | ACT-F128K32N-060F5Q                 | 1          | PROM, FLASH ERASABLE, 128K X 32 | Aeroflex        | 88379     |
| 5962-9471605HMC                         | ACT-F128K32N-060F5Q                 | 1          | PROM, FLASH ERASABLE, 128K X 32 | Aeroflex        | 88379     |
| 5962-9471605HMA                         | ACT-F128K32N-060F5Q                 | 1          | PROM, FLASH ERASABLE, 128K X 32 | Aeroflex        | 88379     |
| 5962-9471605H6C                         | WF128K32-60H1Q5                     | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471605H6A                         | WF128K32-60H1Q5                     | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471605H4C                         | WF128K32-60G4Q5                     | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471605HNC                         | WF128K32-60G2UQ5                    | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471605HNA                         | WF128K32-60G2UQ5                    | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471605HMC                         | WF128K32-60G2Q5                     | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471605HMA                         | WF128K32-60G2Q5                     | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471605HAC                         | WF128K32-60G2LQ5                    | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471605HAA                         | WF128K32-60G2LQ5                    | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471605H9C                         | WF128K32-60G1UQ5                    | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471605H9A                         | WF128K32-60G1UQ5                    | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471605HBC                         | WF128K32-60G1TQ5                    | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471605HUA                         | WF128K32-60HQ5                      | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |
| 5962-9471605H8C                         | WF128K32N-60H1Q5                    | 1          | PROM, FLASH ERASABLE, 128K X 32 | White           | 54230     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                         | Approved Source | CAGE Code |
| 5962-9471605HZC                         | WF128K32N-60HSQ5                    | 1          | PROM, FLASH ERASABLE, 128K X 32                  | White           | 54230     |
| 5962-9471605HZA                         | WF128K32N-60HSQ5                    | 1          | PROM, FLASH ERASABLE, 128K X 32                  | White           | 54230     |
| 5962-9471605HYC                         | WF128K32N-60HQ5                     | 1          | PROM, FLASH ERASABLE, 128K X 32                  | White           | 54230     |
| 5962-9471605HYA                         | WF128K32N-60HQ5                     | 1          | PROM, FLASH ERASABLE, 128K X 32                  | White           | 54230     |
| 5962-9471605H7A                         | WF128K32NA-60H1Q5                   | 1          | PROM, FLASH ERASABLE, 128K X 32                  | White           | 54230     |
| 5962-9471605H7C                         | WF128K32NA-60H1Q5                   | 1          | PROM, FLASH ERASABLE, 128K X 32                  | White           | 54230     |
| 5962-9471605HWA                         | WF128K32NA-60HQ5                    | 1          | PROM, FLASH ERASABLE, 128K X 32                  | White           | 54230     |
| 5962-9471605HWC                         | WF128K32NA-60HQ5                    | 1          | PROM, FLASH ERASABLE, 128K X 32                  | White           | 54230     |
| 5962-9471605HVA                         | WF128K32-60HSQ5                     | 1          | PROM, FLASH ERASABLE, 128K X 32                  | White           | 54230     |
| 5962-9471605HXC                         | WF128K32NA-60HSQ5                   | 1          | PROM, FLASH ERASABLE, 128K X 32                  | White           | 54230     |
| 5962-9471605H8C                         | ACT-F128K32N-060P7Q                 | 1          | PROM, FLASH ERASABLE, 128K X 32                  | Aeroflex        | 88379     |
| 5962-9471605H8A                         | WF128K32N-60H1Q5                    | 1          | PROM, FLASH ERASABLE, 128K X 32                  | White           | 54230     |
| 5962-9471605HUC                         | WF128K32-60HQ5                      | 1          | PROM, FLASH ERASABLE, 128K X 32                  | White           | 54230     |
| 5962-9471605HTC                         | WF128K32A-60HSQ5                    | 1          | PROM, FLASH ERASABLE, 128K X 32                  | White           | 54230     |
| 5962-9471605H5A                         | WF128K32A-60H1Q5                    | 1          | PROM, FLASH ERASABLE, 128K X 32                  | White           | 54230     |
| 5962-9471605H5C                         | WF128K32A-60H1Q5                    | 1          | PROM, FLASH ERASABLE, 128K X 32                  | White           | 54230     |
| 5962-9471605HSA                         | WF128K32A-60HQ5                     | 1          | PROM, FLASH ERASABLE, 128K X 32                  | White           | 54230     |
| 5962-9471605HSC                         | WF128K32A-60HQ5                     | 1          | PROM, FLASH ERASABLE, 128K X 32                  | White           | 54230     |
| 5962-9471605HTA                         | WF128K32A-60HSQ5                    | 1          | PROM, FLASH ERASABLE, 128K X 32                  | White           | 54230     |
| 5962-9471605HBA                         | WF128K32-60G1TQ5                    | 1          | PROM, FLASH ERASABLE, 128K X 32                  | White           | 54230     |
| 5962-9471605HXA                         | WF128K32NA-60HSQ5                   | 1          | PROM, FLASH ERASABLE, 128K X 32                  | White           | 54230     |
| 5962-9471605HVC                         | WF128K32-60HSQ5                     | 1          | PROM, FLASH ERASABLE, 128K X 32                  | White           | 54230     |
| 5962-9471605HMA                         | AS8F128K32Q-60/Q                    | 1          | PROM, FLASH ERASABLE, 128K X 32                  | Micross Comp,   | 0EU86     |
| 5962-9471605HNC                         | AS8F128K32Q-60/Q                    | 1          | PROM, FLASH ERASABLE, 128K X 32                  | Micross Comp,   | 0EU86     |
| 5962-9471605HMC                         | AS8F128K32Q-60/Q                    | 1          | PROM, FLASH ERASABLE, 128K X 32                  | Micross Comp,   | 0EU86     |
| 5962-9471605HAC                         | AS8F128K32Q1-60/Q                   | 1          | PROM, FLASH ERASABLE, 128K X 32                  | Micross Comp,   | 0EU86     |
| 5962-9471605HAA                         | AS8F128K32Q1-60/Q                   | 1          | PROM, FLASH ERASABLE, 128K X 32                  | Micross Comp,   | 0EU86     |
| 5962-9471605HNA                         | AS8F128K32Q-60/Q                    | 1          | PROM, FLASH ERASABLE, 128K X 32                  | Micross Comp,   | 0EU86     |
| 5962-9472101HZA                         | AFL2805SZ/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5 VOLT, HYBRID  | IR Santa Clara  | 52467     |
| 5962-9472101HXC                         | AFL2805SX/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5 VOLT, HYBRID  | IR Santa Clara  | 52467     |
| 5962-9472101HYA                         | AFL2805SY/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5 VOLT, HYBRID  | IR Santa Clara  | 52467     |
| 5962-9472101HYC                         | AFL2805SY/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5 VOLT, HYBRID  | IR Santa Clara  | 52467     |
| 5962-9472101HXA                         | AFL2805SX/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5 VOLT, HYBRID  | IR Santa Clara  | 52467     |
| 5962-9472101HUC                         | AFL2805SW/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5 VOLT, HYBRID  | IR Santa Clara  | 52467     |
| 5962-9472101HUA                         | AFL2805SW/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5 VOLT, HYBRID  | IR Santa Clara  | 52467     |
| 5962-9472101HZC                         | AFL2805SZ/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 5 VOLT, HYBRID  | IR Santa Clara  | 52467     |
| 5962-9472201HZC                         | AFL2812SZ/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 12 VOLT, HYBRID | IR Santa Clara  | 52467     |
| 5962-9472201HZA                         | AFL2812SZ/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 12 VOLT, HYBRID | IR Santa Clara  | 52467     |
| 5962-9472201HYC                         | AFL2812SY/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 12 VOLT, HYBRID | IR Santa Clara  | 52467     |
| 5962-9472201HYA                         | AFL2812SY/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 12 VOLT, HYBRID | IR Santa Clara  | 52467     |
| 5962-9472201HXC                         | AFL2812SX/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 12 VOLT, HYBRID | IR Santa Clara  | 52467     |
| 5962-9472201HXA                         | AFL2812SX/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 12 VOLT, HYBRID | IR Santa Clara  | 52467     |
| 5962-9472201HUC                         | AFL2812SW/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 12 VOLT, HYBRID | IR Santa Clara  | 52467     |
| 5962-9472201HUA                         | AFL2812SW/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 12 VOLT, HYBRID | IR Santa Clara  | 52467     |
| 5962-9472301HXA                         | AFL2815SX/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 15 VOLT, HYBRID | IR Santa Clara  | 52467     |
| 5962-9472301HUA                         | AFL2815SW/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 15 VOLT, HYBRID | IR Santa Clara  | 52467     |
| 5962-9472301HUC                         | AFL2815SW/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 15 VOLT, HYBRID | IR Santa Clara  | 52467     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                                 | Approved Source | CAGE Code |
| 5962-9472301HZA                         | AFL2815SZ/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 15 VOLT, HYBRID         | IR Santa Clara  | 52467     |
| 5962-9472301HZC                         | AFL2815SZ/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 15 VOLT, HYBRID         | IR Santa Clara  | 52467     |
| 5962-9472301HYC                         | AFL2815SY/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 15 VOLT, HYBRID         | IR Santa Clara  | 52467     |
| 5962-9472301HYA                         | AFL2815SY/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 15 VOLT, HYBRID         | IR Santa Clara  | 52467     |
| 5962-9472301HXC                         | AFL2815SX/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 15 VOLT, HYBRID         | IR Santa Clara  | 52467     |
| 5962-9472401HXC                         | AFL2815DX/CH                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 15 VOLT, HYBRID           | IR Santa Clara  | 52467     |
| 5962-9472401HXA                         | AFL2815DX/CH                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 15 VOLT, HYBRID           | IR Santa Clara  | 52467     |
| 5962-9472401HUC                         | AFL2815DW/CH                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 15 VOLT, HYBRID           | IR Santa Clara  | 52467     |
| 5962-9472401HUA                         | AFL2815DW/CH                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 15 VOLT, HYBRID           | IR Santa Clara  | 52467     |
| 5962-9472401HYA                         | AFL2815DY/CH                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 15 VOLT, HYBRID           | IR Santa Clara  | 52467     |
| 5962-9472401HYC                         | AFL2815DY/CH                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 15 VOLT, HYBRID           | IR Santa Clara  | 52467     |
| 5962-9472401HZA                         | AFL2815DZ/CH                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 15 VOLT, HYBRID           | IR Santa Clara  | 52467     |
| 5962-9472401HZC                         | AFL2815DZ/CH                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 15 VOLT, HYBRID           | IR Santa Clara  | 52467     |
| 5962-9475301HXA                         | AFL27012SX/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 12 VOLT, LINEAR, HYBRID | IR Santa Clara  | 52467     |
| 5962-9475301HZA                         | AFL27012SZ/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 12 VOLT, LINEAR, HYBRID | IR Santa Clara  | 52467     |
| 5962-9475301HXC                         | AFL27012SX/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 12 VOLT, LINEAR, HYBRID | IR Santa Clara  | 52467     |
| 5962-9475301HYA                         | AFL27012SY/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 12 VOLT, LINEAR, HYBRID | IR Santa Clara  | 52467     |
| 5962-9475301HUA                         | AFL27012SW/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 12 VOLT, LINEAR, HYBRID | IR Santa Clara  | 52467     |
| 5962-9475301HUC                         | AFL27012SW/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 12 VOLT, LINEAR, HYBRID | IR Santa Clara  | 52467     |
| 5962-9475301HYC                         | AFL27012SY/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 12 VOLT, LINEAR, HYBRID | IR Santa Clara  | 52467     |
| 5962-9475301HZC                         | AFL27012SZ/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 12 VOLT, LINEAR, HYBRID | IR Santa Clara  | 52467     |
| 5962-9475701HXC                         | ADS-927/883                         | 1          | A/D CONVERTER, 14-BIT, 1MHZ                              | Murata          | 50721     |
| 5962-9475701HXA                         | ADS-927/883                         | 1          | A/D CONVERTER, 14-BIT, 1MHZ                              | Murata          | 50721     |
| 5962-9477501HXC                         | CT1990-1-20                         | 1          | REMOTE TERMINAL AND BUS CONTROLLER                       | Aeroflex        | 88379     |
| 5962-9477501HXA                         | CT1990-1-20                         | 1          | REMOTE TERMINAL AND BUS CONTROLLER                       | Aeroflex        | 88379     |
| 95003-01HXA                             | FMH-461/883                         | 1          | FILTER, EMI, 1.5 A                                       | Crane           | 50821     |
| 95003-01HZC                             | FMH-461F/883                        | 1          | FILTER, EMI, 1.5 A                                       | Crane           | 50821     |
| 95003-01HXC                             | FMH-461/883                         | 1          | FILTER, EMI, 1.5 A                                       | Crane           | 50821     |
| 95003-01HZA                             | FMH-461F/883                        | 1          | FILTER, EMI, 1.5 A                                       | Crane           | 50821     |
| 95004-01HUC                             | FME28-461V/883                      | 1          | FILTER, EMI, 15 A  | Crane           | 50821     |
| 95004-01HXA                             | FME28-461/883                       | 1          | FILTER, EMI, 15 A  | Crane           | 50821     |
| 95004-01HUA                             | FME28-461V/883                      | 1          | FILTER, EMI, 15 A  | Crane           | 50821     |
| 95004-01HTA                             | FME28-461W/883                      | 1          | FILTER, EMI, 15 A  | Crane           | 50821     |
| 95004-01HTC                             | FME28-461W/883                      | 1          | FILTER, EMI, 15 A  | Crane           | 50821     |
| 95004-01HYA                             | FME28-461Y/883                      | 1          | FILTER, EMI, 15 A  | Crane           | 50821     |
| 95004-01HYC                             | FME28-461Y/883                      | 1          | FILTER, EMI, 15 A  | Crane           | 50821     |
| 95004-01HZA                             | FME28-461Z/883                      | 1          | FILTER, EMI, 15 A  | Crane           | 50821     |
| 95004-01HZC                             | FME28-461Z/883                      | 1          | FILTER, EMI, 15 A  | Crane           | 50821     |
| 95004-01HXC                             | FME28-461/883                       | 1          | FILTER, EMI, 15 A  | Crane           | 50821     |
| 95004H03HYA                             | SFME28-461Y/HH                      | 1          | FILTER, EMI, 10 A  | Crane           | 50821     |
| 95004H03HUC                             | SFME28-461V/HH                      | 1          | FILTER, EMI, 10 A  | Crane           | 50821     |



Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                                 | Approved Source | CAGE Code |
| 95004H03KUA                             | SFME28-461V/KH                      | 1          | FILTER, EMI, 10 A  | Crane           | 50821     |
| 95004H03KUC                             | SFME28-461V/KH                      | 1          | FILTER, EMI, 10 A  | Crane           | 50821     |
| 95004H03HTA                             | SFME28-461W/HH                      | 1          | FILTER, EMI, 10 A  | Crane           | 50821     |
| 95004H03HTC                             | SFME28-461W/HH                      | 1          | FILTER, EMI, 10 A  | Crane           | 50821     |
| 95004H03HUA                             | SFME28-461V/HH                      | 1          | FILTER, EMI, 10 A  | Crane           | 50821     |
| 95004H03KTC                             | SFME28-461W/KH                      | 1          | FILTER, EMI, 10 A  | Crane           | 50821     |
| 95004H03HZA                             | SFME28-461Z/HH                      | 1          | FILTER, EMI, 10 A  | Crane           | 50821     |
| 95004H03HYC                             | SFME28-461Y/HH                      | 1          | FILTER, EMI, 10 A  | Crane           | 50821     |
| 95004H03KYA                             | SFME28-461Y/KH                      | 1          | FILTER, EMI, 10 A  | Crane           | 50821     |
| 95004H03KYC                             | SFME28-461Y/KH                      | 1          | FILTER, EMI, 10 A  | Crane           | 50821     |
| 95004H03HZC                             | SFME28-461Z/HH                      | 1          | FILTER, EMI, 10 A  | Crane           | 50821     |
| 95004H03KZA                             | SFME28-461Z/KH                      | 1          | FILTER, EMI, 10 A  | Crane           | 50821     |
| 95004H03KZC                             | SFME28-461Z/KH                      | 1          | FILTER, EMI, 10 A  | Crane           | 50821     |
| 95004H03KTA                             | SFME28-461W/KH                      | 1          | FILTER, EMI, 10 A  | Crane           | 50821     |
| 95004H03KXA                             | SFME28-461/KH                       | 1          | FILTER, EMI, 10 A  | Crane           | 50821     |
| 95004H03HXC                             | SFME28-461/HH                       | 1          | FILTER, EMI, 10 A  | Crane           | 50821     |
| 95004H03KXC                             | SFME28-461/KH                       | 1          | FILTER, EMI, 10 A  | Crane           | 50821     |
| 95004H03HXA                             | SFME28-461/HH                       | 1          | FILTER, EMI, 10 A  | Crane           | 50821     |
| 95010-01HZA                             | AFM704A/CH                          | 1          | FILTER, EMI, TRANSIENT SUPPRESSION MODULE                | IR Santa Clara  | 52467     |
| 5962-9550101HUC                         | AFL27005DW/CH                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, 5 VOLT, HYBRID            | IR Santa Clara  | 52467     |
| 5962-9550101HUA                         | AFL27005DW/CH                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, 5 VOLT, HYBRID            | IR Santa Clara  | 52467     |
| 5962-9550101HXC                         | AFL27005DX/CH                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, 5 VOLT, HYBRID            | IR Santa Clara  | 52467     |
| 5962-9550101HZC                         | AFL27005DZ/CH                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, 5 VOLT, HYBRID            | IR Santa Clara  | 52467     |
| 5962-9550101HXA                         | AFL27005DX/CH                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, 5 VOLT, HYBRID            | IR Santa Clara  | 52467     |
| 5962-9550101HZA                         | AFL27005DZ/CH                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, 5 VOLT, HYBRID            | IR Santa Clara  | 52467     |
| 5962-9550101HYC                         | AFL27005DY/CH                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, 5 VOLT, HYBRID            | IR Santa Clara  | 52467     |
| 5962-9550101HYA                         | AFL27005DY/CH                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, 5 VOLT, HYBRID            | IR Santa Clara  | 52467     |
| 5962-9550201HZC                         | AFL27018.2DZ/CH                     | 1          | DC/DC CONVERTER, DUAL CHANNEL, 18.2 VOLT, HYBRID         | IR Santa Clara  | 52467     |
| 5962-9550201HYC                         | AFL27018.2DY/CH                     | 1          | DC/DC CONVERTER, DUAL CHANNEL, 18.2 VOLT, HYBRID         | IR Santa Clara  | 52467     |
| 5962-9550201HZA                         | AFL27018.2DZ/CH                     | 1          | DC/DC CONVERTER, DUAL CHANNEL, 18.2 VOLT, HYBRID         | IR Santa Clara  | 52467     |
| 5962-9550201HXC                         | AFL27018.2DX/CH                     | 1          | DC/DC CONVERTER, DUAL CHANNEL, 18.2 VOLT, HYBRID         | IR Santa Clara  | 52467     |
| 5962-9550201HUA                         | AFL27018.2DW/CH                     | 1          | DC/DC CONVERTER, DUAL CHANNEL, 18.2 VOLT, HYBRID         | IR Santa Clara  | 52467     |
| 5962-9550201HUC                         | AFL27018.2DW/CH                     | 1          | DC/DC CONVERTER, DUAL CHANNEL, 18.2 VOLT, HYBRID         | IR Santa Clara  | 52467     |
| 5962-9550201HYA                         | AFL27018.2DY/CH                     | 1          | DC/DC CONVERTER, DUAL CHANNEL, 18.2 VOLT, HYBRID         | IR Santa Clara  | 52467     |
| 5962-9550201HXA                         | AFL27018.2DX/CH                     | 1          | DC/DC CONVERTER, DUAL CHANNEL, 18.2 VOLT, HYBRID         | IR Santa Clara  | 52467     |
| 5962-9550501HYA                         | ARX4810-203-2                       | 1          | TRANSCEIVER, MIL-STD-1553, DUAL CHANNEL, -15 AND +5 VOLT | Aeroflex        | 88379     |
| 5962-9550501HYC                         | ARX4810-203-1                       | 1          | TRANSCEIVER, MIL-STD-1553, DUAL CHANNEL, -15 AND +5 VOLT | Aeroflex        | 88379     |
| 5962-9550501HXA                         | ARX4810-201-2                       | 1          | TRANSCEIVER, MIL-STD-1553, DUAL CHANNEL, -15 AND +5 VOLT | Aeroflex        | 88379     |
| 5962-9550501HXC                         | ARX4810-201-1                       | 1          | TRANSCEIVER, MIL-STD-1553, DUAL CHANNEL, -15 AND +5 VOLT | Aeroflex        | 88379     |
| 5962-9553201HXA                         | AFL27015DX/CH                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, 15 VOLT, HYBRID           | IR Santa Clara  | 52467     |
| 5962-9553201HYC                         | AFL27015DY/CH                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, 15 VOLT, HYBRID           | IR Santa Clara  | 52467     |
| 5962-9553201HUC                         | AFL27015DW/CH                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, 15 VOLT, HYBRID           | IR Santa Clara  | 52467     |
| 5962-9553201HUA                         | AFL27015DW/CH                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, 15 VOLT, HYBRID           | IR Santa Clara  | 52467     |
| 5962-9553201HZC                         | AFL27015DZ/CH                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, 15 VOLT, HYBRID           | IR Santa Clara  | 52467     |

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description   | Approved Source | CAGE Code |
| 5962-9553201HZA                         | AFL27015DZ/CH                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, 15 VOLT, HYBRID                                   | IR Santa Clara  | 52467     |
| 5962-9553201HYA                         | AFL27015DY/CH                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, 15 VOLT, HYBRID                                   | IR Santa Clara  | 52467     |
| 5962-9553201HXC                         | AFL27015DX/CH                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, 15 VOLT, HYBRID                                   | IR Santa Clara  | 52467     |
| 5962-9553401HZC                         | AFL27006SZ/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 6 VOLT, HYBRID                                  | IR Santa Clara  | 52467     |
| 5962-9553401HZA                         | AFL27006SZ/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 6 VOLT, HYBRID                                  | IR Santa Clara  | 52467     |
| 5962-9553401HYC                         | AFL27006SY/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 6 VOLT, HYBRID                                  | IR Santa Clara  | 52467     |
| 5962-9553401HYA                         | AFL27006SY/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 6 VOLT, HYBRID                                  | IR Santa Clara  | 52467     |
| 5962-9553401HXC                         | AFL27006SX/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 6 VOLT, HYBRID                                  | IR Santa Clara  | 52467     |
| 5962-9553401HXA                         | AFL27006SX/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 6 VOLT, HYBRID                                  | IR Santa Clara  | 52467     |
| 5962-9553401HUC                         | AFL27006SW/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 6 VOLT, HYBRID                                  | IR Santa Clara  | 52467     |
| 5962-9553401HUA                         | AFL27006SW/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 6 VOLT, HYBRID                                  | IR Santa Clara  | 52467     |
| 5962-9553501HYA                         | AFL27009SY/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 9 VOLT, HYBRID                                  | IR Santa Clara  | 52467     |
| 5962-9553501HUA                         | AFL27009SW/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 9 VOLT, HYBRID                                  | IR Santa Clara  | 52467     |
| 5962-9553501HUC                         | AFL27009SW/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 9 VOLT, HYBRID                                  | IR Santa Clara  | 52467     |
| 5962-9553501HXC                         | AFL27009SX/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 9 VOLT, HYBRID                                  | IR Santa Clara  | 52467     |
| 5962-9553501HYC                         | AFL27009SY/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 9 VOLT, HYBRID                                  | IR Santa Clara  | 52467     |
| 5962-9553501HZA                         | AFL27009SZ/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 9 VOLT, HYBRID                                  | IR Santa Clara  | 52467     |
| 5962-9553501HZC                         | AFL27009SZ/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 9 VOLT, HYBRID                                  | IR Santa Clara  | 52467     |
| 5962-9553501HXA                         | AFL27009SX/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 9 VOLT, HYBRID                                  | IR Santa Clara  | 52467     |
| 5962-9553901HXC                         | RTM1760-SM                          | 1          | LINEAR, MIL-STD-1553/1760 PROTOCOL, TRANSCEIVERS, DUAL REDUNANT, REMOTE TERMINAL | C-MAC           | U4388     |
| 5962-9553901HYC                         | RTM1760-PGA                         | 1          | LINEAR, MIL-STD-1553/1760 PROTOCOL, TRANSCEIVERS, DUAL REDUNANT, REMOTE TERMINAL | C-MAC           | U4388     |
| 5962-9553902HYC                         | RTS1760-PGA                         | 1          | LINEAR, MIL-STD-1553/1760 PROTOCOL, TRANSCEIVERS, DUAL REDUNANT, REMOTE TERMINAL | C-MAC           | U4388     |
| 5962-9553902HXC                         | RTS1760-SM                          | 1          | LINEAR, MIL-STD-1553/1760 PROTOCOL, TRANSCEIVERS, DUAL REDUNANT, REMOTE TERMINAL | C-MAC           | U4388     |
| 5962-9555901HZC                         | MHF+2805DF/883                      | 1          | DC-TO-DC CONVERTER, 12W, ± 5V OUTPUT   | Crane           | 50821     |
| 5962-9555901HZA                         | MHF+2805DF/883                      | 1          | DC-TO-DC CONVERTER, 12W, ± 5V OUTPUT   | Crane           | 50821     |
| 5962-9555901HXC                         | MHF+2805D/883                       | 1          | DC-TO-DC CONVERTER, 12W, ± 5V OUTPUT   | Crane           | 50821     |
| 5962-9555901HXA                         | MHF+2805D/883                       | 1          | DC-TO-DC CONVERTER, 12W, ± 5V OUTPUT   | Crane           | 50821     |
| 5962P9555902HZA                         | SMHF2805DF/HP                       | 1          | DC-TO-DC CONVERTER, 12W, ± 5V OUTPUT   | Crane           | 50821     |
| 5962R9555902KZA                         | SMHF2805DF/KR                       | 1          | DC-TO-DC CONVERTER, 12W, ± 5V OUTPUT   | Crane           | 50821     |
| 5962P9555902HXA                         | SMHF2805D/HP                        | 1          | DC-TO-DC CONVERTER, 12W, ± 5V OUTPUT   | Crane           | 50821     |
| 5962L9555902HXC                         | SMHF2805D/HL                        | 1          | DC-TO-DC CONVERTER, 12W, ± 5V OUTPUT   | Crane           | 50821     |
| 5962-9555902HXA                         | SMHF2805D/HO                        | 1          | DC-TO-DC CONVERTER, 12W, ± 5V OUTPUT   | Crane           | 50821     |
| 5962-9555902HXC                         | SMHF2805D/HO                        | 1          | DC-TO-DC CONVERTER, 12W, ± 5V OUTPUT   | Crane           | 50821     |
| 5962P9555902HZC                         | SMHF2805DF/HP                       | 1          | DC-TO-DC CONVERTER, 12W, ± 5V OUTPUT   | Crane           | 50821     |
| 5962-9555902HZC                         | SMHF2805DF/HO                       | 1          | DC-TO-DC CONVERTER, 12W, ± 5V OUTPUT   | Crane           | 50821     |
| 5962L9555902HZC                         | SMHF2805DF/HL                       | 1          | DC-TO-DC CONVERTER, 12W, ± 5V OUTPUT   | Crane           | 50821     |
| 5962R9555902HZA                         | SMHF2805DF/HR                       | 1          | DC-TO-DC CONVERTER, 12W, ± 5V OUTPUT   | Crane           | 50821     |
| 5962R9555902HZC                         | SMHF2805DF/HR                       | 1          | DC-TO-DC CONVERTER, 12W, ± 5V OUTPUT   | Crane           | 50821     |
| 5962L9555902KZA                         | SMHF2805DF/KL                       | 1          | DC-TO-DC CONVERTER, 12W, ± 5V OUTPUT   | Crane           | 50821     |
| 5962L9555902KZC                         | SMHF2805DF/KL                       | 1          | DC-TO-DC CONVERTER, 12W, ± 5V OUTPUT   | Crane           | 50821     |
| 5962L9555902HXA                         | SMHF2805D/HL                        | 1          | DC-TO-DC CONVERTER, 12W, ± 5V OUTPUT   | Crane           | 50821     |
| 5962P9555902KZC                         | SMHF2805DF/KP                       | 1          | DC-TO-DC CONVERTER, 12W, ± 5V OUTPUT   | Crane           | 50821     |
| 5962R9555902KZC                         | SMHF2805DF/KR                       | 1          | DC-TO-DC CONVERTER, 12W, ± 5V OUTPUT   | Crane           | 50821     |
| 5962L9555902HZA                         | SMHF2805DF/HL                       | 1          | DC-TO-DC CONVERTER, 12W, ± 5V OUTPUT   | Crane           | 50821     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                         | Approved Source | CAGE Code |
| 5962R9555902KXC                         | SMHF2805D/KR                        | 1          | DC-TO-DC CONVERTER, 12W, ± 5V OUTPUT             | Crane           | 50821     |
| 5962R9555902KXA                         | SMHF2805D/KR                        | 1          | DC-TO-DC CONVERTER, 12W, ± 5V OUTPUT             | Crane           | 50821     |
| 5962P9555902KXC                         | SMHF2805D/KP                        | 1          | DC-TO-DC CONVERTER, 12W, ± 5V OUTPUT             | Crane           | 50821     |
| 5962-9555902HZA                         | SMHF2805DF/HO                       | 1          | DC-TO-DC CONVERTER, 12W, ± 5V OUTPUT             | Crane           | 50821     |
| 5962P9555902KXA                         | SMHF2805D/KP                        | 1          | DC-TO-DC CONVERTER, 12W, ± 5V OUTPUT             | Crane           | 50821     |
| 5962L9555902KXC                         | SMHF2805D/KL                        | 1          | DC-TO-DC CONVERTER, 12W, ± 5V OUTPUT             | Crane           | 50821     |
| 5962L9555902KXA                         | SMHF2805D/KL                        | 1          | DC-TO-DC CONVERTER, 12W, ± 5V OUTPUT             | Crane           | 50821     |
| 5962R9555902HXC                         | SMHF2805D/HR                        | 1          | DC-TO-DC CONVERTER, 12W, ± 5V OUTPUT             | Crane           | 50821     |
| 5962R9555902HXA                         | SMHF2805D/HR                        | 1          | DC-TO-DC CONVERTER, 12W, ± 5V OUTPUT             | Crane           | 50821     |
| 5962P9555902HXC                         | SMHF2805D/HP                        | 1          | DC-TO-DC CONVERTER, 12W, ± 5V OUTPUT             | Crane           | 50821     |
| 5962P9555902KZA                         | SMHF2805DF/KP                       | 1          | DC-TO-DC CONVERTER, 12W, ± 5V OUTPUT             | Crane           | 50821     |
| 5962-9556501HXC                         | AFL27028SX/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 28 VOLT, HYBRID | IR Santa Clara  | 52467     |
| 5962-9556501HZC                         | AFL27028SZ/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 28 VOLT, HYBRID | IR Santa Clara  | 52467     |
| 5962-9556501HXA                         | AFL27028SX/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 28 VOLT, HYBRID | IR Santa Clara  | 52467     |
| 5962-9556501HYA                         | AFL27028SY/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 28 VOLT, HYBRID | IR Santa Clara  | 52467     |
| 5962-9556501HYC                         | AFL27028SY/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 28 VOLT, HYBRID | IR Santa Clara  | 52467     |
| 5962-9556501HZA                         | AFL27028SZ/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 28 VOLT, HYBRID | IR Santa Clara  | 52467     |
| 5962-9556501HUA                         | AFL27028SW/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 28 VOLT, HYBRID | IR Santa Clara  | 52467     |
| 5962-9556501HUC                         | AFL27028SW/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 28 VOLT, HYBRID | IR Santa Clara  | 52467     |
| 5962-9559501HBC                         | WS128K32-120G1TQ                    | 1          | STATIC RAM, 128K X 32-BIT                        | White           | 54230     |
| 5962-9559501HMC                         | WS128K32-120G2Q                     | 1          | STATIC RAM, 128K X 32-BIT                        | White           | 54230     |
| 5962-9559501HBA                         | WS128K32-120G1TQ                    | 1          | STATIC RAM, 128K X 32-BIT                        | White           | 54230     |
| 5962-9559501H9C                         | WS128K32-120G1UQ                    | 1          | STATIC RAM, 128K X 32-BIT                        | White           | 54230     |
| 5962-9559501HMA                         | WS128K32-120G2Q                     | 1          | STATIC RAM, 128K X 32-BIT                        | White           | 54230     |
| 5962-9559501HYC                         | WS128K32-120G4TQ                    | 1          | STATIC RAM, 128K X 32-BIT                        | White           | 54230     |
| 5962-9559501HNA                         | WS128K32-120G2UQ                    | 1          | STATIC RAM, 128K X 32-BIT                        | White           | 54230     |
| 5962-9559501HNC                         | WS128K32-120G2UQ                    | 1          | STATIC RAM, 128K X 32-BIT                        | White           | 54230     |
| 5962-9559501H9A                         | WS128K32-120G1UQ                    | 1          | STATIC RAM, 128K X 32-BIT                        | White           | 54230     |
| 5962-9559501HXC                         | WS128K32-120G4Q                     | 1          | STATIC RAM, 128K X 32-BIT                        | White           | 54230     |
| 5962-9559501HYA                         | WS128K32-120G4TQ                    | 1          | STATIC RAM, 128K X 32-BIT                        | White           | 54230     |
| 5962-9559501HXA                         | WS128K32-120G4Q                     | 1          | STATIC RAM, 128K X 32-BIT                        | White           | 54230     |
| 5962-9559502HMC                         | WS128K32-100G2Q                     | 1          | STATIC RAM, 128K X 32-BIT                        | White           | 54230     |
| 5962-9559502HYC                         | WS128K32-100G4TQ                    | 1          | STATIC RAM, 128K X 32-BIT                        | White           | 54230     |
| 5962-9559502HXC                         | WS128K32-100G4Q                     | 1          | STATIC RAM, 128K X 32-BIT                        | White           | 54230     |
| 5962-9559502HNA                         | WS128K32-100G2UQ                    | 1          | STATIC RAM, 128K X 32-BIT                        | White           | 54230     |
| 5962-9559502HYA                         | WS128K32-100G4TQ                    | 1          | STATIC RAM, 128K X 32-BIT                        | White           | 54230     |
| 5962-9559502HMA                         | WS128K32-100G2Q                     | 1          | STATIC RAM, 128K X 32-BIT                        | White           | 54230     |
| 5962-9559502H9C                         | WS128K32-100G1UQ                    | 1          | STATIC RAM, 128K X 32-BIT                        | White           | 54230     |
| 5962-9559502H9A                         | WS128K32-100G1UQ                    | 1          | STATIC RAM, 128K X 32-BIT                        | White           | 54230     |
| 5962-9559502HBC                         | WS128K32-100G1TQ                    | 1          | STATIC RAM, 128K X 32-BIT                        | White           | 54230     |
| 5962-9559502HBA                         | WS128K32-100G1TQ                    | 1          | STATIC RAM, 128K X 32-BIT                        | White           | 54230     |
| 5962-9559502HNC                         | WS128K32-100G2UQ                    | 1          | STATIC RAM, 128K X 32-BIT                        | White           | 54230     |
| 5962-9559502HXA                         | WS128K32-100G4Q                     | 1          | STATIC RAM, 128K X 32-BIT                        | White           | 54230     |
| 5962-9559503HXA                         | WS128K32-85G4Q                      | 1          | STATIC RAM, 128K X 32-BIT                        | White           | 54230     |
| 5962-9559503HMA                         | WS128K32-85G2Q                      | 1          | STATIC RAM, 128K X 32-BIT                        | White           | 54230     |
| 5962-9559503H9A                         | WS128K32-85G1UQ                     | 1          | STATIC RAM, 128K X 32-BIT                        | White           | 54230     |
| 5962-9559503HXC                         | WS128K32-85G4Q                      | 1          | STATIC RAM, 128K X 32-BIT                        | White           | 54230     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |                           |                 |           |
|---|-------------------------------------|------------|---------------------------|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description  | Approved Source | CAGE Code |
| 5962-9559503HYA                         | WS128K32-85G4TQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559503HYC                         | WS128K32-85G4TQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559503H9C                         | WS128K32-85G1UQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559503HNA                         | WS128K32-85G2UQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559503HBC                         | WS128K32-85G1TQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559503HBA                         | WS128K32-85G1TQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559503HNC                         | WS128K32-85G2UQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559503HMC                         | WS128K32-85G2Q                      | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559504HMA                         | WS128K32-70G2Q                      | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559504HYC                         | WS128K32-70G4TQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559504HXA                         | WS128K32-70G4Q                      | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559504HNA                         | WS128K32-70G2UQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559504HYA                         | WS128K32-70G4TQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559504HNC                         | WS128K32-70G2UQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559504HBA                         | WS128K32-70G1TQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559504HBC                         | WS128K32-70G1TQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559504H9C                         | WS128K32-70G1UQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559504HXC                         | WS128K32-70G4Q                      | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559504HMC                         | WS128K32-70G2Q                      | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559504H9A                         | WS128K32-70G1UQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559505H9C                         | ACT-S128K32N-055F18Q                | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559505HXA                         | WS128K32-55G4Q                      | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559505HXC                         | WS128K32-55G4Q                      | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559505HZC                         | ACT-S128K32N-055F2Q                 | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559505HYA                         | WS128K32-55G4TQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559505HYC                         | WS128K32-55G4TQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559505H9A                         | ACT-S128K32N-055F18Q                | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559505HMC                         | ACT-S128K32N-055F2Q                 | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559505HXA                         | ACT-S128K32N-055F1Q                 | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559505HXC                         | ACT-S128K32N-055F1Q                 | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559505HYA                         | ACT-S128K32N-055F1Q                 | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559505HYC                         | ACT-S128K32N-055F1Q                 | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559505HMA                         | ACT-S128K32N-055F2Q                 | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559505HBA                         | WS128K32-55G1TQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559505HBC                         | WS128K32-55G1TQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559505H9C                         | WS128K32-55G1UQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559505HNC                         | WS128K32-55G2UQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559505HAA                         | WS128K32-55G2LQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559505HAC                         | WS128K32-55G2LQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559505HMA                         | WS128K32-55G2Q                      | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559505HNA                         | WS128K32-55G2UQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559505HMC                         | WS128K32-55G2Q                      | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559505HZA                         | ACT-S128K32N-055F2Q                 | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559505H9A                         | WS128K32-55G1UQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559505HAC                         | AS8S128K32Q1-55/883C                | 1          | STATIC RAM, 128K X 32-BIT | Micross Comp,   | 0EU86     |
| 5962-9559505HMA                         | AS8S128K32Q-55/883C                 | 1          | STATIC RAM, 128K X 32-BIT | Micross Comp,   | 0EU86     |
| 5962-9559505HMC                         | AS8S128K32Q-55/883C                 | 1          | STATIC RAM, 128K X 32-BIT | Micross Comp,   | 0EU86     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |                           |                 |           |
|---|-------------------------------------|------------|---------------------------|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description  | Approved Source | CAGE Code |
| 5962-9559505HYC                         | AS8S128K32BQFP-55/88                | 1C         | STATIC RAM, 128K X 32-BIT | Micross Comp,   | 0EU86     |
| 5962-9559505HYA                         | AS8S128K32BQFP-55/88                | 1C         | STATIC RAM, 128K X 32-BIT | Micross Comp,   | 0EU86     |
| 5962-9559505HAA                         | AS8S128K32Q1-55/883C                | 1          | STATIC RAM, 128K X 32-BIT | Micross Comp,   | 0EU86     |
| 5962-9559506HBC                         | WS128K32-45G1TQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559506HNC                         | WS128K32-45G2UQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559506HMC                         | WS128K32-45G2UQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559506HXC                         | WS128K32-45G4Q                      | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559506HAC                         | WS128K32-45G2LQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559506HAA                         | WS128K32-45G2LQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559506H9C                         | WS128K32-45G1UQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559506HXA                         | WS128K32-45G4Q                      | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559506HZC                         | ACT-S128K32N-045F2Q                 | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559506HNA                         | WS128K32-45G2UQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559506HBA                         | WS128K32-45G1TQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559506HZA                         | ACT-S128K32N-045F2Q                 | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559506HMC                         | ACT-S128K32N-045F2Q                 | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559506H9A                         | WS128K32-45G1UQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559506H9C                         | ACT-S128K32N-045F18Q                | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559506HYA                         | WS128K32-45G4TQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559506HMA                         | ACT-S128K32N-045F2Q                 | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559506HXA                         | ACT-S128K32N-045F1Q                 | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559506HYC                         | ACT-S128K32N-045F1Q                 | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559506HMA                         | WS128K32-45G2UQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559506HYC                         | WS128K32-45G4TQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559506H9A                         | ACT-S128K32N-045F18Q                | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559506HYA                         | ACT-S128K32N-045F1Q                 | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559506HXC                         | ACT-S128K32N-045F1Q                 | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559506HAA                         | AS8S128K32Q1-45/883C                | 1          | STATIC RAM, 128K X 32-BIT | Micross Comp,   | 0EU86     |
| 5962-9559506HYC                         | AS8S128K32BQFP-45/88                | 1C         | STATIC RAM, 128K X 32-BIT | Micross Comp,   | 0EU86     |
| 5962-9559506HAC                         | AS8S128K32Q1-45/883C                | 1          | STATIC RAM, 128K X 32-BIT | Micross Comp,   | 0EU86     |
| 5962-9559506HMA                         | AS8S128K32Q-45/883C                 | 1          | STATIC RAM, 128K X 32-BIT | Micross Comp,   | 0EU86     |
| 5962-9559506HMC                         | AS8S128K32Q-45/883C                 | 1          | STATIC RAM, 128K X 32-BIT | Micross Comp,   | 0EU86     |
| 5962-9559506HYA                         | AS8S128K32BQFP-45/88                | 1C         | STATIC RAM, 128K X 32-BIT | Micross Comp,   | 0EU86     |
| 5962-9559507HXC                         | WS128K32-35G4Q                      | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559507HYA                         | WS128K32-35G4TQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559507HYC                         | WS128K32-35G4TQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559507HYC                         | ACT-S128K32N-035F1Q                 | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559507H9A                         | ACT-S128K32N-035F18Q                | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559507HXA                         | WS128K32-35G4Q                      | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559507HMA                         | ACT-S128K32N-035F2Q                 | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559507HAC                         | WS128K32-35G2LQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559507HZA                         | ACT-S128K32N-035F2Q                 | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559507HMC                         | ACT-S128K32N-035F2Q                 | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559507HZC                         | ACT-S128K32N-035F2Q                 | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559507HNC                         | WS128K32-35G2UQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559507HNA                         | WS128K32-35G2UQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559507HMA                         | WS128K32-35G2UQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |                           |                 |           |
|---|-------------------------------------|------------|---------------------------|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description  | Approved Source | CAGE Code |
| 5962-9559507HAA                         | WS128K32-35G2LQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559507HYA                         | ACT-S128K32N-035F1Q                 | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559507H9C                         | ACT-S128K32N-035F18Q                | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559507H9C                         | WS128K32-35G1UQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559507H9A                         | WS128K32-35G1UQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559507HBC                         | WS128K32-35G1TQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559507HBA                         | WS128K32-35G1TQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559507HXC                         | ACT-S128K32N-035F1Q                 | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559507HXA                         | ACT-S128K32N-035F1Q                 | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559507HMC                         | WS128K32-35G2UQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559507HAA                         | AS8S128K32Q1-35/883C                | 1          | STATIC RAM, 128K X 32-BIT | Micross Comp,   | 0EU86     |
| 5962-9559507HMA                         | AS8S128K32Q-35/883C                 | 1          | STATIC RAM, 128K X 32-BIT | Micross Comp,   | 0EU86     |
| 5962-9559507HYC                         | AS8S128K32BQFP-35/88                | 1C         | STATIC RAM, 128K X 32-BIT | Micross Comp,   | 0EU86     |
| 5962-9559507HMC                         | AS8S128K32Q-35/883C                 | 1          | STATIC RAM, 128K X 32-BIT | Micross Comp,   | 0EU86     |
| 5962-9559507HYA                         | AS8S128K32BQFP-35/88                | 1C         | STATIC RAM, 128K X 32-BIT | Micross Comp,   | 0EU86     |
| 5962-9559507HAC                         | AS8S128K32Q1-35/883C                | 1          | STATIC RAM, 128K X 32-BIT | Micross Comp,   | 0EU86     |
| 5962-9559508H9A                         | ACT-S128K32N-025F18Q                | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559508HBC                         | WS128K32-25G1TQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559508HMA                         | ACT-S128K32N-025F2Q                 | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559508HMC                         | ACT-S128K32N-025F2Q                 | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559508HZA                         | ACT-S128K32N-025F2Q                 | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559508HZC                         | ACT-S128K32N-025F2Q                 | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559508HYC                         | ACT-S128K32N-025F1Q                 | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559508HYA                         | ACT-S128K32N-025F1Q                 | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559508HXC                         | ACT-S128K32N-025F1Q                 | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559508HXA                         | ACT-S128K32N-025F1Q                 | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559508HBA                         | WS128K32-25G1TQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559508H9C                         | ACT-S128K32N-025F18Q                | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559508HYC                         | WS128K32-25G4TQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559508HNA                         | WS128K32-25G2UQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559508HNC                         | WS128K32-25G2UQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559508HXA                         | WS128K32-25G4Q                      | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559508HMC                         | WS128K32-25G2UQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559508HYA                         | WS128K32-25G4TQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559508H9A                         | WS128K32-25G1UQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559508HMA                         | WS128K32-25G2UQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559508HAC                         | WS128K32-25G2LQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559508HAA                         | WS128K32-25G2LQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559508H9C                         | WS128K32-25G1UQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559508HXC                         | WS128K32-25G4Q                      | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559508HYC                         | AS8S128K32BQFP-25/88                | 1C         | STATIC RAM, 128K X 32-BIT | Micross Comp,   | 0EU86     |
| 5962-9559508HMC                         | AS8S128K32Q-25/883C                 | 1          | STATIC RAM, 128K X 32-BIT | Micross Comp,   | 0EU86     |
| 5962-9559508HMA                         | AS8S128K32Q-25/883C                 | 1          | STATIC RAM, 128K X 32-BIT | Micross Comp,   | 0EU86     |
| 5962-9559508HAA                         | AS8S128K32Q1-25/883C                | 1          | STATIC RAM, 128K X 32-BIT | Micross Comp,   | 0EU86     |
| 5962-9559508HAC                         | AS8S128K32Q1-25/883C                | 1          | STATIC RAM, 128K X 32-BIT | Micross Comp,   | 0EU86     |
| 5962-9559508HYA                         | AS8S128K32BQFP-25/88                | 1C         | STATIC RAM, 128K X 32-BIT | Micross Comp,   | 0EU86     |
| 5962-9559509H9C                         | WS128K32-20G1UQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |                           |                 |           |
|---|-------------------------------------|------------|---------------------------|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description  | Approved Source | CAGE Code |
| 5962-9559509H9A                         | WS128K32-20G1UQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559509HBC                         | WS128K32-20G1TQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559509HXC                         | WS128K32-20G4Q                      | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559509HZZA                        | ACT-S128K32N-020F2Q                 | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559509H9C                         | ACT-S128K32N-020F18Q                | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559509HXA                         | ACT-S128K32N-020F1Q                 | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559509HXC                         | ACT-S128K32N-020F1Q                 | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559509HYA                         | ACT-S128K32N-020F1Q                 | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559509HMA                         | WS128K32-20G2UQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559509HAC                         | WS128K32-20G2LQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559509HYC                         | ACT-S128K32N-020F1Q                 | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559509HMA                         | ACT-S128K32N-020F2Q                 | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559509HAA                         | WS128K32-20G2LQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559509HBA                         | WS128K32-20G1TQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559509HZC                         | ACT-S128K32N-020F2Q                 | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559509HNA                         | WS128K32-20G2UQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559509HNC                         | WS128K32-20G2UQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559509HXA                         | WS128K32-20G4Q                      | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559509H9A                         | ACT-S128K32N-020F18Q                | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559509HYA                         | WS128K32-20G4TQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559509HMC                         | WS128K32-20G2UQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559509HYC                         | WS128K32-20G4TQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559509HMC                         | ACT-S128K32N-020F2Q                 | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559509HYA                         | AS8S128K32BQFP-20/88                | 1C         | STATIC RAM, 128K X 32-BIT | Micross Comp,   | 0EU86     |
| 5962-9559509HAA                         | AS8S128K32Q1-20/883C                | 1          | STATIC RAM, 128K X 32-BIT | Micross Comp,   | 0EU86     |
| 5962-9559509HMC                         | AS8S128K32Q-20/883C                 | 1          | STATIC RAM, 128K X 32-BIT | Micross Comp,   | 0EU86     |
| 5962-9559509HAC                         | AS8S128K32Q1-20/883C                | 1          | STATIC RAM, 128K X 32-BIT | Micross Comp,   | 0EU86     |
| 5962-9559509HYC                         | AS8S128K32BQFP-20/88                | 1C         | STATIC RAM, 128K X 32-BIT | Micross Comp,   | 0EU86     |
| 5962-9559509HMA                         | AS8S128K32Q-20/883C                 | 1          | STATIC RAM, 128K X 32-BIT | Micross Comp,   | 0EU86     |
| 5962-9559510HXA                         | ACT-S128K32N-017F1Q                 | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559510H9C                         | WS128K32-17G1UQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559510HBA                         | WS128K32-17G1TQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559510HZC                         | ACT-S128K32N-017F2Q                 | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559510HZZA                        | ACT-S128K32N-017F2Q                 | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559510HMC                         | ACT-S128K32N-017F2Q                 | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559510HMA                         | ACT-S128K32N-017F2Q                 | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559510HYC                         | ACT-S128K32N-017F1Q                 | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559510HYA                         | ACT-S128K32N-017F1Q                 | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559510HXC                         | ACT-S128K32N-017F1Q                 | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559510H9C                         | ACT-S128K32N-017F18Q                | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559510H9A                         | WS128K32-17G1UQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559510HAA                         | WS128K32-17G2LQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559510HXA                         | WS128K32-17G4Q                      | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559510H9A                         | ACT-S128K32N-017F18Q                | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559510HYC                         | WS128K32-17G4TQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559510HBC                         | WS128K32-17G1TQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559510HXC                         | WS128K32-17G4Q                      | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |                           |                 |           |
|---|-------------------------------------|------------|---------------------------|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description  | Approved Source | CAGE Code |
| 5962-9559510HAC                         | WS128K32-17G2LQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559510HNC                         | WS128K32-17G2UQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559510HNA                         | WS128K32-17G2UQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559510HMC                         | WS128K32-17G2UQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559510HMA                         | WS128K32-17G2UQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559510HYA                         | WS128K32-17G4TQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559510HYC                         | AS8S128K32BQFP-17/88                | 1C         | STATIC RAM, 128K X 32-BIT | Micross Comp,   | 0EU86     |
| 5962-9559510HAA                         | AS8S128K32Q1-17/883C                | 1          | STATIC RAM, 128K X 32-BIT | Micross Comp,   | 0EU86     |
| 5962-9559510HMC                         | AS8S128K32Q-17/883C                 | 1          | STATIC RAM, 128K X 32-BIT | Micross Comp,   | 0EU86     |
| 5962-9559510HMA                         | AS8S128K32Q-17/883C                 | 1          | STATIC RAM, 128K X 32-BIT | Micross Comp,   | 0EU86     |
| 5962-9559510HAC                         | AS8S128K32Q1-17/883C                | 1          | STATIC RAM, 128K X 32-BIT | Micross Comp,   | 0EU86     |
| 5962-9559510HYA                         | AS8S128K32BQFP-17/88                | 1C         | STATIC RAM, 128K X 32-BIT | Micross Comp,   | 0EU86     |
| 5962-9559511HXC                         | WS128K32-15G4Q                      | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559511HMC                         | WS128K32-15G2UQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559511HNA                         | WS128K32-15G2UQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559511HYC                         | WS128K32-15G4TQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559511HYA                         | WS128K32-15G4TQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559511HBC                         | WS128K32-15G1TQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559511HXA                         | WS128K32-15G4Q                      | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559511HNC                         | WS128K32-15G2UQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559511HAC                         | WS128K32-15G2LQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559511HAA                         | WS128K32-15G2LQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559511H9A                         | WS128K32-15G1UQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559511HMA                         | WS128K32-15G2UQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559511HBA                         | WS128K32-15G1TQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559511H9C                         | WS128K32-15G1UQ                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559511HYC                         | AS8S128K32BQFP-15/88                | 1C         | STATIC RAM, 128K X 32-BIT | Micross Comp,   | 0EU86     |
| 5962-9559511HYA                         | AS8S128K32BQFP-15/88                | 1C         | STATIC RAM, 128K X 32-BIT | Micross Comp,   | 0EU86     |
| 5962-9559512HAC                         | WS128K32H-55G2LQ                    | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559512HAA                         | WS128K32H-55G2LQ                    | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559512HXC                         | WS128K32H-55G4Q                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559512HYC                         | WS128K32H-55G4TQ                    | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559512H9C                         | WS128K32H-55G1UQ                    | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559512HBA                         | WS128K32H-55G1TQ                    | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559512HMA                         | WS128K32H-55G2Q                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559512HBC                         | WS128K32H-55G1TQ                    | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559512HYA                         | WS128K32H-55G4TQ                    | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559512HXA                         | WS128K32H-55G4Q                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559512HNC                         | WS128K32H-55G2UQ                    | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559512HMC                         | WS128K32H-55G2UQ                    | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559512H9A                         | ACTS128K32N-055F18QR                | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559512H9C                         | ACTS128K32N-055F18QR                | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559512H9A                         | WS128K32H-55G1UQ                    | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559512HNA                         | WS128K32H-55G2UQ                    | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559512HMC                         | AS8S128K32Q-55/883C                 | 1          | STATIC RAM, 128K X 32-BIT | Micross Comp,   | 0EU86     |
| 5962-9559512HYC                         | AS8S128K32BQFP-55/88                | 1C         | STATIC RAM, 128K X 32-BIT | Micross Comp,   | 0EU86     |
| 5962-9559512HAA                         | AS8S128K32Q1-55/883C                | 1          | STATIC RAM, 128K X 32-BIT | Micross Comp,   | 0EU86     |



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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |                           |                 |           |
|---|-------------------------------------|------------|---------------------------|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description  | Approved Source | CAGE Code |
| 5962-9559512HYA                         | AS8S128K32BQFP-55/88                | 1C         | STATIC RAM, 128K X 32-BIT | Micross Comp,   | 0EU86     |
| 5962-9559512HMA                         | AS8S128K32Q-55/883C                 | 1          | STATIC RAM, 128K X 32-BIT | Micross Comp,   | 0EU86     |
| 5962-9559512HAC                         | AS8S128K32Q1-55/883C                | 1          | STATIC RAM, 128K X 32-BIT | Micross Comp,   | 0EU86     |
| 5962-9559513H9A                         | ACTS128K32N-045F18QR                | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559513H9C                         | ACTS128K32N-045F18QR                | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559513HXA                         | WS128K32H-45G4Q                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559513H9C                         | WS128K32H-45G1UQ                    | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559513HYA                         | WS128K32H-45G4TQ                    | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559513HYC                         | WS128K32H-45G4TQ                    | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559513HBA                         | WS128K32H-45G1TQ                    | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559513H9A                         | WS128K32H-45G1UQ                    | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559513HAA                         | WS128K32H-45G2LQ                    | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559513HAC                         | WS128K32H-45G2LQ                    | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559513HMA                         | WS128K32H-45G2UQ                    | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559513HMC                         | WS128K32H-45G2UQ                    | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559513HXC                         | WS128K32H-45G4Q                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559513HNA                         | WS128K32H-45G2UQ                    | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559513HBC                         | WS128K32H-45G1TQ                    | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559513HNC                         | WS128K32H-45G2UQ                    | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559513HYC                         | AS8S128K32BQFP-45/88                | 1C         | STATIC RAM, 128K X 32-BIT | Micross Comp,   | 0EU86     |
| 5962-9559513HMC                         | AS8S128K32Q-45/883C                 | 1          | STATIC RAM, 128K X 32-BIT | Micross Comp,   | 0EU86     |
| 5962-9559513HMA                         | AS8S128K32Q-45/883C                 | 1          | STATIC RAM, 128K X 32-BIT | Micross Comp,   | 0EU86     |
| 5962-9559513HYA                         | AS8S128K32BQFP-45/88                | 1C         | STATIC RAM, 128K X 32-BIT | Micross Comp,   | 0EU86     |
| 5962-9559513HAA                         | AS8S128K32Q1-45/883C                | 1          | STATIC RAM, 128K X 32-BIT | Micross Comp,   | 0EU86     |
| 5962-9559513HAC                         | AS8S128K32Q1-45/883C                | 1          | STATIC RAM, 128K X 32-BIT | Micross Comp,   | 0EU86     |
| 5962-9559514HYC                         | WS128K32H-35G4TQ                    | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559514HXA                         | WS128K32H-35G4Q                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559514HXC                         | WS128K32H-35G4Q                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559514HNA                         | WS128K32H-35G2UQ                    | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559514HMC                         | WS128K32H-35G2UQ                    | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559514H9C                         | WS128K32H-35G1UQ                    | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559514HAA                         | WS128K32H-35G2LQ                    | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559514HYA                         | WS128K32H-35G4TQ                    | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559514H9C                         | ACTS128K32N-035F18QR                | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559514HNC                         | WS128K32H-35G2UQ                    | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559514H9A                         | WS128K32H-35G1UQ                    | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559514HBA                         | WS128K32H-35G1TQ                    | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559514H9A                         | ACTS128K32N-035F18QR                | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559514HMA                         | WS128K32H-35G2UQ                    | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559514HAC                         | WS128K32H-35G2LQ                    | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559514HBC                         | WS128K32H-35G1TQ                    | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559514HAA                         | AS8S128K32Q1-35/883C                | 1          | STATIC RAM, 128K X 32-BIT | Micross Comp,   | 0EU86     |
| 5962-9559514HYC                         | AS8S128K32BQFP-35/88                | 1C         | STATIC RAM, 128K X 32-BIT | Micross Comp,   | 0EU86     |
| 5962-9559514HAC                         | AS8S128K32Q1-35/883C                | 1          | STATIC RAM, 128K X 32-BIT | Micross Comp,   | 0EU86     |
| 5962-9559514HMA                         | AS8S128K32Q-35/883C                 | 1          | STATIC RAM, 128K X 32-BIT | Micross Comp,   | 0EU86     |
| 5962-9559514HMC                         | AS8S128K32Q-35/883C                 | 1          | STATIC RAM, 128K X 32-BIT | Micross Comp,   | 0EU86     |
| 5962-9559514HYA                         | AS8S128K32BQFP-35/88                | 1C         | STATIC RAM, 128K X 32-BIT | Micross Comp,   | 0EU86     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |                           |                 |           |
|---|-------------------------------------|------------|---------------------------|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description  | Approved Source | CAGE Code |
| 5962-9559515HXC                         | WS128K32H-25G4Q                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559515HXA                         | WS128K32H-25G4Q                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559515HNC                         | WS128K32H-25G2UQ                    | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559515HYC                         | WS128K32H-25G4TQ                    | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559515HYA                         | WS128K32H-25G4TQ                    | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559515HNA                         | WS128K32H-25G2UQ                    | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559515HMC                         | WS128K32H-25G2UQ                    | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559515HMA                         | WS128K32H-25G2UQ                    | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559515HAC                         | WS128K32H-25G2LQ                    | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559515HAA                         | WS128K32H-25G2LQ                    | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559515H9C                         | WS128K32H-25G1UQ                    | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559515H9A                         | WS128K32H-25G1UQ                    | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559515HBA                         | WS128K32H-25G1TQ                    | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559515H9A                         | ACTS128K32N-025F18QR                | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559515H9C                         | ACTS128K32N-025F18QR                | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559515HBC                         | WS128K32H-25G1TQ                    | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559515HMA                         | AS8S128K32Q-25/883C                 | 1          | STATIC RAM, 128K X 32-BIT | Micros Comp,    | 0EU86     |
| 5962-9559515HYC                         | AS8S128K32BQFP-25/88                | 1C         | STATIC RAM, 128K X 32-BIT | Micros Comp,    | 0EU86     |
| 5962-9559515HYA                         | AS8S128K32BQFP-25/88                | 1C         | STATIC RAM, 128K X 32-BIT | Micros Comp,    | 0EU86     |
| 5962-9559515HAC                         | AS8S128K32Q1-25/883C                | 1          | STATIC RAM, 128K X 32-BIT | Micros Comp,    | 0EU86     |
| 5962-9559515HAA                         | AS8S128K32Q1-25/883C                | 1          | STATIC RAM, 128K X 32-BIT | Micros Comp,    | 0EU86     |
| 5962-9559515HMC                         | AS8S128K32Q-25/883C                 | 1          | STATIC RAM, 128K X 32-BIT | Micros Comp,    | 0EU86     |
| 5962-9559516HNA                         | WS128K32H-20G2UQ                    | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559516HBC                         | WS128K32H-20G1TQ                    | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559516H9A                         | WS128K32H-20G1UQ                    | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559516H9C                         | WS128K32H-20G1UQ                    | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559516HAA                         | WS128K32H-20G2LQ                    | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559516HAC                         | WS128K32H-20G2LQ                    | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559516HMC                         | WS128K32H-20G2UQ                    | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559516HNC                         | WS128K32H-20G2UQ                    | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559516HXA                         | WS128K32H-20G4Q                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559516HXC                         | WS128K32H-20G4Q                     | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559516HYA                         | WS128K32H-20G4TQ                    | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559516HYC                         | WS128K32H-20G4TQ                    | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559516HBA                         | WS128K32H-20G1TQ                    | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559516H9A                         | ACTS128K32N-020F18QR                | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559516H9C                         | ACTS128K32N-020F18QR                | 1          | STATIC RAM, 128K X 32-BIT | Aeroflex        | 88379     |
| 5962-9559516HMA                         | WS128K32H-20G2UQ                    | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559516HYA                         | AS8S128K32BQFP-20/88                | 1C         | STATIC RAM, 128K X 32-BIT | Micros Comp,    | 0EU86     |
| 5962-9559516HAA                         | AS8S128K32Q1-20/883C                | 1          | STATIC RAM, 128K X 32-BIT | Micros Comp,    | 0EU86     |
| 5962-9559516HAC                         | AS8S128K32Q1-20/883C                | 1          | STATIC RAM, 128K X 32-BIT | Micros Comp,    | 0EU86     |
| 5962-9559516HMC                         | AS8S128K32Q-20/883C                 | 1          | STATIC RAM, 128K X 32-BIT | Micros Comp,    | 0EU86     |
| 5962-9559516HYC                         | AS8S128K32BQFP-20/88                | 1C         | STATIC RAM, 128K X 32-BIT | Micros Comp,    | 0EU86     |
| 5962-9559516HMA                         | AS8S128K32Q-20/883C                 | 1          | STATIC RAM, 128K X 32-BIT | Micros Comp,    | 0EU86     |
| 5962-9559517H9C                         | WS128K32H-17G1UQ                    | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559517HMC                         | WS128K32H-17G2UQ                    | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |
| 5962-9559517HBA                         | WS128K32H-17G1TQ                    | 1          | STATIC RAM, 128K X 32-BIT | White           | 54230     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |   |                 |           |
|---|-------------------------------------|------------|---|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                            | Approved Source | CAGE Code |
| 5962-9559517H9A                         | WS128K32H-17G1UQ                    | 1          | STATIC RAM, 128K X 32-BIT                           | White           | 54230     |
| 5962-9559517HAA                         | WS128K32H-17G2LQ                    | 1          | STATIC RAM, 128K X 32-BIT                           | White           | 54230     |
| 5962-9559517HAC                         | WS128K32H-17G2LQ                    | 1          | STATIC RAM, 128K X 32-BIT                           | White           | 54230     |
| 5962-9559517HMA                         | WS128K32H-17G2UQ                    | 1          | STATIC RAM, 128K X 32-BIT                           | White           | 54230     |
| 5962-9559517HNC                         | WS128K32H-17G2UQ                    | 1          | STATIC RAM, 128K X 32-BIT                           | White           | 54230     |
| 5962-9559517HXA                         | WS128K32H-17G4Q                     | 1          | STATIC RAM, 128K X 32-BIT                           | White           | 54230     |
| 5962-9559517HXC                         | WS128K32H-17G4Q                     | 1          | STATIC RAM, 128K X 32-BIT                           | White           | 54230     |
| 5962-9559517HYA                         | WS128K32H-17G4TQ                    | 1          | STATIC RAM, 128K X 32-BIT                           | White           | 54230     |
| 5962-9559517H9C                         | ACTS128K32N-017F18QR                | 1          | STATIC RAM, 128K X 32-BIT                           | Aeroflex        | 88379     |
| 5962-9559517HYC                         | WS128K32H-17G4TQ                    | 1          | STATIC RAM, 128K X 32-BIT                           | White           | 54230     |
| 5962-9559517H9A                         | ACTS128K32N-017F18QR                | 1          | STATIC RAM, 128K X 32-BIT                           | Aeroflex        | 88379     |
| 5962-9559517HBC                         | WS128K32H-17G1TQ                    | 1          | STATIC RAM, 128K X 32-BIT                           | White           | 54230     |
| 5962-9559517HNA                         | WS128K32H-17G2UQ                    | 1          | STATIC RAM, 128K X 32-BIT                           | White           | 54230     |
| 5962-9559517HYA                         | AS8S128K32BQFP-17/88                | 1C         | STATIC RAM, 128K X 32-BIT                           | Micross Comp,   | 0EU86     |
| 5962-9559517HAC                         | AS8S128K32Q1-17/883C                | 1          | STATIC RAM, 128K X 32-BIT                           | Micross Comp,   | 0EU86     |
| 5962-9559517HMC                         | AS8S128K32Q-17/883C                 | 1          | STATIC RAM, 128K X 32-BIT                           | Micross Comp,   | 0EU86     |
| 5962-9559517HMA                         | AS8S128K32Q-17/883C                 | 1          | STATIC RAM, 128K X 32-BIT                           | Micross Comp,   | 0EU86     |
| 5962-9559517HAA                         | AS8S128K32Q1-17/883C                | 1          | STATIC RAM, 128K X 32-BIT                           | Micross Comp,   | 0EU86     |
| 5962-9559517HYC                         | AS8S128K32BQFP-17/88                | 1C         | STATIC RAM, 128K X 32-BIT                           | Micross Comp,   | 0EU86     |
| 5962-9559518HMA                         | WS128K32H-15G2UQ                    | 1          | STATIC RAM, 128K X 32-BIT                           | White           | 54230     |
| 5962-9559518HBA                         | WS128K32H-15G1TQ                    | 1          | STATIC RAM, 128K X 32-BIT                           | White           | 54230     |
| 5962-9559518HBC                         | WS128K32H-15G1TQ                    | 1          | STATIC RAM, 128K X 32-BIT                           | White           | 54230     |
| 5962-9559518H9A                         | WS128K32H-15G1UQ                    | 1          | STATIC RAM, 128K X 32-BIT                           | White           | 54230     |
| 5962-9559518H9C                         | WS128K32H-15G1UQ                    | 1          | STATIC RAM, 128K X 32-BIT                           | White           | 54230     |
| 5962-9559518HAC                         | WS128K32H-15G2LQ                    | 1          | STATIC RAM, 128K X 32-BIT                           | White           | 54230     |
| 5962-9559518HMC                         | WS128K32H-15G2UQ                    | 1          | STATIC RAM, 128K X 32-BIT                           | White           | 54230     |
| 5962-9559518HNA                         | WS128K32H-15G2UQ                    | 1          | STATIC RAM, 128K X 32-BIT                           | White           | 54230     |
| 5962-9559518HNC                         | WS128K32H-15G2UQ                    | 1          | STATIC RAM, 128K X 32-BIT                           | White           | 54230     |
| 5962-9559518HXA                         | WS128K32H-15G4Q                     | 1          | STATIC RAM, 128K X 32-BIT                           | White           | 54230     |
| 5962-9559518HXC                         | WS128K32H-15G4Q                     | 1          | STATIC RAM, 128K X 32-BIT                           | White           | 54230     |
| 5962-9559518HYA                         | WS128K32H-15G4TQ                    | 1          | STATIC RAM, 128K X 32-BIT                           | White           | 54230     |
| 5962-9559518HYC                         | WS128K32H-15G4TQ                    | 1          | STATIC RAM, 128K X 32-BIT                           | White           | 54230     |
| 5962-9559518HAA                         | WS128K32H-15G2LQ                    | 1          | STATIC RAM, 128K X 32-BIT                           | White           | 54230     |
| 5962-9560101HZC                         | MHF+28512TF/883                     | 1          | DC-TO-DC CONVERTER, +5 AND ±12 VOLT, TRIPLE CHANNEL | Crane           | 50821     |
| 5962-9560101HZA                         | MHF+28512TF/883                     | 1          | DC-TO-DC CONVERTER, +5 AND ±12 VOLT, TRIPLE CHANNEL | Crane           | 50821     |
| 5962-9560101HXC                         | MHF+28512T/883                      | 1          | DC-TO-DC CONVERTER, +5 AND ±12 VOLT, TRIPLE CHANNEL | Crane           | 50821     |
| 5962-9560101HXA                         | MHF+28512T/883                      | 1          | DC-TO-DC CONVERTER, +5 AND ±12 VOLT, TRIPLE CHANNEL | Crane           | 50821     |
| 5962-9560201HZA                         | MHF+28515TF/883                     | 1          | DC-TO-DC CONVERTER, +5 AND ±15 VOLT, TRIPLE CHANNEL | Crane           | 50821     |
| 5962-9560201HZC                         | MHF+28515TF/883                     | 1          | DC-TO-DC CONVERTER, +5 AND ±15 VOLT, TRIPLE CHANNEL | Crane           | 50821     |
| 5962-9560201HXC                         | MHF+28515T/883                      | 1          | DC-TO-DC CONVERTER, +5 AND ±15 VOLT, TRIPLE CHANNEL | Crane           | 50821     |
| 5962-9560201HXA                         | MHF+28515T/883                      | 1          | DC-TO-DC CONVERTER, +5 AND ±15 VOLT, TRIPLE CHANNEL | Crane           | 50821     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |                          |                 |           |
|---|-------------------------------------|------------|--------------------------|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description | Approved Source | CAGE Code |
| 5962-9561301HYA                         | WMS512K8-120C                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561301HYC                         | WMS512K8-120C                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561301HTA                         | WMS512K8-120DE                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561301HTC                         | WMS512K8-120DE                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561301HYC                         | AS5C4009CW-120/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561301HYA                         | AS5C4009CW-120/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561302HTA                         | WMS512K8-100DE                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561302HTC                         | WMS512K8-100DE                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561302HYA                         | WMS512K8-100C                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561302HYC                         | WMS512K8-100C                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561302HYC                         | AS5C4009CW-100/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561302HYA                         | AS5C4009CW-100/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561303HTC                         | WMS512K8-85DE                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561303HYC                         | WMS512K8-85C                        | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561303HTA                         | WMS512K8-85DE                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561303HYA                         | WMS512K8-85C                        | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561303HYC                         | AS5C4009CW-85/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561303HYA                         | AS5C4009CW-85/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561304HYA                         | WMS512K8-70C                        | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561304HYC                         | WMS512K8-70C                        | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561304HTA                         | WMS512K8-70DE                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561304HTC                         | WMS512K8-70DE                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561304HYA                         | AS5C4009CW-70/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561304HYC                         | AS5C4009CW-70/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561305HYA                         | WMS512K8-55C                        | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561305HZA                         | WMS512K8-55DJ                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561305HZC                         | WMS512K8-55DJ                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561305HXC                         | WMS512K8-55F                        | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561305HUA                         | WMS512K8-55FT                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561305HUC                         | WMS512K8-55FT                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561305HTA                         | WMS512K8-55DE                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561305HTC                         | WMS512K8-55DE                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561305HYC                         | WMS512K8-55C                        | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561305HYC                         | ACT-S512K8N-055P4Q                  | 1          | STATIC RAM, 512K X 8     | Aeroflex        | 88379     |
| 5962-9561305HYA                         | ACT-S512K8N-055P4Q                  | 1          | STATIC RAM, 512K X 8     | Aeroflex        | 88379     |
| 5962-9561305HZC                         | ACT-S512K8N-055F4Q                  | 1          | STATIC RAM, 512K X 8     | Aeroflex        | 88379     |
| 5962-9561305HZA                         | ACT-S512K8N-055F4Q                  | 1          | STATIC RAM, 512K X 8     | Aeroflex        | 88379     |
| 5962-9561305HUC                         | ACT-S512K8N-055F3Q                  | 1          | STATIC RAM, 512K X 8     | Aeroflex        | 88379     |
| 5962-9561305HUA                         | ACT-S512K8N-055F3Q                  | 1          | STATIC RAM, 512K X 8     | Aeroflex        | 88379     |
| 5962-9561305HNA                         | AS5C512K8EC-55/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561305HMC                         | AS5C4008EC-55/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561305HYA                         | AS5C4008CW-55/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561305HYC                         | AS5C4008CW-55/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561305HNC                         | AS5C512K8EC-55/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561305HMA                         | AS5C4008EC-55/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561305HZC                         | AS5C512K8ECJ-55/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561305H7C                         | AS5C512K8SOJ-55/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |                          |                 |           |
|---|-------------------------------------|------------|--------------------------|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description | Approved Source | CAGE Code |
| 5962-9561305HUC                         | AS5C512K8F-55/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561305H7A                         | AS5C512K8SOJ-55/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561305HZA                         | AS5C512K8ECJ-55/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561305HTC                         | AS5C4008ECJ-55/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561305H9A                         | AS5C4008F-55/H                      | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561305HTA                         | AS5C4008ECJ-55/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561305H9C                         | AS5C4008F-55/H                      | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561305HUA                         | AS5C512K8F-55/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561306HTA                         | WMS512K8-45DE                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561306HUC                         | ACT-S512K8N-045F3Q                  | 1          | STATIC RAM, 512K X 8     | Aeroflex        | 88379     |
| 5962-9561306HZA                         | ACT-S512K8N-045F4Q                  | 1          | STATIC RAM, 512K X 8     | Aeroflex        | 88379     |
| 5962-9561306HUA                         | WMS512K8-45FT                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561306HUC                         | WMS512K8-45FT                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561306HUA                         | ACT-S512K8N-045F3Q                  | 1          | STATIC RAM, 512K X 8     | Aeroflex        | 88379     |
| 5962-9561306HYC                         | WMS512K8-45C                        | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561306HXC                         | WMS512K8-45F                        | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561306HYC                         | ACT-S512K8N-045P4Q                  | 1          | STATIC RAM, 512K X 8     | Aeroflex        | 88379     |
| 5962-9561306HZA                         | WMS512K8-45DJ                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561306HZC                         | WMS512K8-45DJ                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561306HYA                         | ACT-S512K8N-045P4Q                  | 1          | STATIC RAM, 512K X 8     | Aeroflex        | 88379     |
| 5962-9561306HZC                         | ACT-S512K8N-045F4Q                  | 1          | STATIC RAM, 512K X 8     | Aeroflex        | 88379     |
| 5962-9561306HTC                         | WMS512K8-45DE                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561306HYA                         | WMS512K8-45C                        | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561306H9A                         | AS5C4008F-45/H                      | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561306HNC                         | AS5C512K8EC-45/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561306HNA                         | AS5C512K8EC-45/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561306HZC                         | AS5C512K8ECJ-45/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561306HYC                         | AS5C4008CW-45/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561306HYA                         | AS5C4008CW-45/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561306HZA                         | AS5C512K8ECJ-45/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561306HUA                         | AS5C512K8F-45/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561306HTA                         | AS5C4008ECJ-45/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561306HMC                         | AS5C4008EC-45/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561306HMA                         | AS5C4008EC-45/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561306HTC                         | AS5C4008ECJ-45/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561306H7A                         | AS5C512K8SOJ-45/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561306H9C                         | AS5C4008F-45/H                      | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561306HUC                         | AS5C512K8F-45/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561306H7C                         | AS5C512K8SOJ-45/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561307HYA                         | WMS512K8-35C                        | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561307HYC                         | ACT-S512K8N-035P4Q                  | 1          | STATIC RAM, 512K X 8     | Aeroflex        | 88379     |
| 5962-9561307HTA                         | WMS512K8-35DE                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561307HZC                         | WMS512K8-35DJ                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561307HXC                         | WMS512K8-35F                        | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561307HUA                         | WMS512K8-35FT                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561307HUC                         | WMS512K8-35FT                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561307HYC                         | WMS512K8-35C                        | 1          | STATIC RAM, 512K X 8     | White           | 54230     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |                          |                 |           |
|---|-------------------------------------|------------|--------------------------|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description | Approved Source | CAGE Code |
| 5962-9561307HZA                         | WMS512K8-35DJ                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561307HYA                         | ACT-S512K8N-035P4Q                  | 1          | STATIC RAM, 512K X 8     | Aeroflex        | 88379     |
| 5962-9561307HZC                         | ACT-S512K8N-035F4Q                  | 1          | STATIC RAM, 512K X 8     | Aeroflex        | 88379     |
| 5962-9561307HZA                         | ACT-S512K8N-035F4Q                  | 1          | STATIC RAM, 512K X 8     | Aeroflex        | 88379     |
| 5962-9561307HUC                         | ACT-S512K8N-035F3Q                  | 1          | STATIC RAM, 512K X 8     | Aeroflex        | 88379     |
| 5962-9561307HUA                         | ACT-S512K8N-035F3Q                  | 1          | STATIC RAM, 512K X 8     | Aeroflex        | 88379     |
| 5962-9561307HTC                         | WMS512K8-35DE                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561307HNA                         | AS5C512K8EC-35/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561307HYC                         | AS5C4008CW-35/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561307HNC                         | AS5C512K8EC-35/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561307HMC                         | AS5C4008EC-35/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561307H9C                         | AS5C4008F-35/H                      | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561307HZC                         | AS5C512K8ECJ-35/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561307HZA                         | AS5C512K8ECJ-35/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561307HYA                         | AS5C4008CW-35/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561307H7A                         | AS5C512K8SOJ-35/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561307HTC                         | AS5C4008ECJ-35/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561307HTA                         | AS5C4008ECJ-35/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561307HMA                         | AS5C4008EC-35/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561307HUA                         | AS5C512K8F-35/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561307H7C                         | AS5C512K8SOJ-35/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561307HUC                         | AS5C512K8F-35/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561307H9A                         | AS5C4008F-35/H                      | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561308HZA                         | WMS512K8-25DJ                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561308HUC                         | ACT-S512K8N-025F3Q                  | 1          | STATIC RAM, 512K X 8     | Aeroflex        | 88379     |
| 5962-9561308HUA                         | ACT-S512K8N-025F3Q                  | 1          | STATIC RAM, 512K X 8     | Aeroflex        | 88379     |
| 5962-9561308HYA                         | WMS512K8-25C                        | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561308HYC                         | WMS512K8-25C                        | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561308HUA                         | WMS512K8-25FT                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561308HTC                         | WMS512K8-25DE                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561308HUC                         | WMS512K8-25FT                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561308HZC                         | WMS512K8-25DJ                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561308HXC                         | WMS512K8-25F                        | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561308HZA                         | ACT-S512K8N-025F4Q                  | 1          | STATIC RAM, 512K X 8     | Aeroflex        | 88379     |
| 5962-9561308HZC                         | ACT-S512K8N-025F4Q                  | 1          | STATIC RAM, 512K X 8     | Aeroflex        | 88379     |
| 5962-9561308HYA                         | ACT-S512K8N-025P4Q                  | 1          | STATIC RAM, 512K X 8     | Aeroflex        | 88379     |
| 5962-9561308HYC                         | ACT-S512K8N-025P4Q                  | 1          | STATIC RAM, 512K X 8     | Aeroflex        | 88379     |
| 5962-9561308HTA                         | WMS512K8-25DE                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561308HUA                         | AS5C512K8F-25/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561308HMA                         | AS5C4008EC-25/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561308HMC                         | AS5C4008EC-25/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561308HUC                         | AS5C512K8F-25/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561308HNA                         | AS5C512K8EC-25/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561308HYC                         | AS5C4008CW-25/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561308H9A                         | AS5C4008F-25/H                      | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561308H7C                         | AS5C512K8SOJ-25/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561308HNC                         | AS5C512K8EC-25/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |                          |                 |           |
|---|-------------------------------------|------------|--------------------------|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description | Approved Source | CAGE Code |
| 5962-9561308HZA                         | AS5C512K8ECJ-25/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561308HZC                         | AS5C512K8ECJ-25/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561308HTA                         | AS5C4008ECJ-25/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561308HTC                         | AS5C4008ECJ-25/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561308H7A                         | AS5C512K8SOJ-25/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561308HYA                         | AS5C4008CW-25/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561308H9C                         | AS5C4008F-25/H                      | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561309HYC                         | ACT-S512K8N-020P4Q                  | 1          | STATIC RAM, 512K X 8     | Aeroflex        | 88379     |
| 5962-9561309HYA                         | ACT-S512K8N-020P4Q                  | 1          | STATIC RAM, 512K X 8     | Aeroflex        | 88379     |
| 5962-9561309HZC                         | ACT-S512K8N-020F4Q                  | 1          | STATIC RAM, 512K X 8     | Aeroflex        | 88379     |
| 5962-9561309HZA                         | ACT-S512K8N-020F4Q                  | 1          | STATIC RAM, 512K X 8     | Aeroflex        | 88379     |
| 5962-9561309HUC                         | ACT-S512K8N-020F3Q                  | 1          | STATIC RAM, 512K X 8     | Aeroflex        | 88379     |
| 5962-9561309HUA                         | ACT-S512K8N-020F3Q                  | 1          | STATIC RAM, 512K X 8     | Aeroflex        | 88379     |
| 5962-9561309HYC                         | WMS512K8-20C                        | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561309HUC                         | WMS512K8-20FT                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561309HUA                         | WMS512K8-20FT                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561309HXC                         | WMS512K8-20F                        | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561309HZC                         | WMS512K8-20DJ                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561309HZA                         | WMS512K8-20DJ                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561309HTA                         | WMS512K8-20DE                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561309HYA                         | WMS512K8-20C                        | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561309HTC                         | WMS512K8-20DE                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561309H9C                         | AS5C4008F-20/H                      | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561309H9A                         | AS5C4008F-20/H                      | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561309HMC                         | AS5C4008EC-20/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561309HZA                         | AS5C512K8ECJ-20/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561309H7C                         | AS5C512K8SOJ-20/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561309HZC                         | AS5C512K8ECJ-20/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561309HUC                         | AS5C512K8F-20/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561309HYC                         | AS5C4008CW-20/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561309H7A                         | AS5C512K8SOJ-20/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561309HUA                         | AS5C512K8F-20/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561309HNA                         | AS5C512K8EC-20/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561309HTA                         | AS5C4008ECJ-20/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561309HTC                         | AS5C4008ECJ-20/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561309HYA                         | AS5C4008CW-20/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561309HNC                         | AS5C512K8EC-20/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561309HMA                         | AS5C4008EC-20/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561310HUC                         | WMS512K8-17FT                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561310HZA                         | WMS512K8-17DJ                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561310HYA                         | WMS512K8-17C                        | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561310HZC                         | WMS512K8-17DJ                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561310HXC                         | WMS512K8-17F                        | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561310HUA                         | WMS512K8-17FT                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561310HTC                         | WMS512K8-17DE                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561310HYC                         | ACT-S512K8N-017P4Q                  | 1          | STATIC RAM, 512K X 8     | Aeroflex        | 88379     |
| 5962-9561310HYA                         | ACT-S512K8N-017P4Q                  | 1          | STATIC RAM, 512K X 8     | Aeroflex        | 88379     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |                          |                 |           |
|---|-------------------------------------|------------|--------------------------|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description | Approved Source | CAGE Code |
| 5962-9561310HZC                         | ACT-S512K8N-017F4Q                  | 1          | STATIC RAM, 512K X 8     | Aeroflex        | 88379     |
| 5962-9561310HZA                         | ACT-S512K8N-017F4Q                  | 1          | STATIC RAM, 512K X 8     | Aeroflex        | 88379     |
| 5962-9561310HUC                         | ACT-S512K8N-017F3Q                  | 1          | STATIC RAM, 512K X 8     | Aeroflex        | 88379     |
| 5962-9561310HUA                         | ACT-S512K8N-017F3Q                  | 1          | STATIC RAM, 512K X 8     | Aeroflex        | 88379     |
| 5962-9561310HYC                         | WMS512K8-17C                        | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561310HTA                         | WMS512K8-17DE                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561310H7C                         | AS5C512K8SOJ-17/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561310HTA                         | AS5C4008ECJ-17/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561310H7A                         | AS5C512K8SOJ-17/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561310H9C                         | AS5C4008F-17/H                      | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561310HNC                         | AS5C512K8EC-17/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561310HNA                         | AS5C512K8EC-17/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561310HUA                         | AS5C512K8F-17/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561310HTC                         | AS5C4008ECJ-17/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561310HYC                         | AS5C4008CW-17/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561310HYA                         | AS5C4008CW-17/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561310HUC                         | AS5C512K8F-17/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561310HMC                         | AS5C4008EC-17/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561310HZC                         | AS5C512K8ECJ-17/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561310H9A                         | AS5C4008F-17/H                      | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561310HZA                         | AS5C512K8ECJ-17/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561310HMA                         | AS5C4008EC-17/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561311HYC                         | ACT-S512K8M-045P4Q                  | 1          | STATIC RAM, 512K X 8     | Aeroflex        | 88379     |
| 5962-9561311HYA                         | WMS512K8M-45C                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561311HYC                         | WMS512K8M-45C                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561311HYA                         | ACT-S512K8M-045P4Q                  | 1          | STATIC RAM, 512K X 8     | Aeroflex        | 88379     |
| 5962-9561311HTC                         | WMS512K8M-45DE                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561311HTA                         | WMS512K8M-45DE                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561311H9C                         | AS5C4008F-45/H                      | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561311H9A                         | AS5C4008F-45/H                      | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561311H7A                         | AS5C512K8SOJ-45/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561311HTA                         | AS5C4008ECJ-45/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561311HZC                         | AS5C512K8ECJ-45/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561311H7C                         | AS5C512K8SOJ-45/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561311HUC                         | AS5C512K8F-45/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561311HUA                         | AS5C512K8F-45/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561311HMA                         | AS5C4008EC-45/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561311HNA                         | AS5C512K8EC-45/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561311HYA                         | AS5C4008CW-45/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561311HNC                         | AS5C512K8EC-45/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561311HMC                         | AS5C4008EC-45/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561311HYC                         | AS5C4008CW-45/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561311HTC                         | AS5C4008ECJ-45/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561311HZA                         | AS5C512K8ECJ-45/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561312HYA                         | WMS512K8M-35C                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561312HTA                         | WMS512K8M-35DE                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561312HYC                         | WMS512K8M-35C                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |



Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |                          |                 |           |
|---|-------------------------------------|------------|--------------------------|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description | Approved Source | CAGE Code |
| 5962-9561312HYC                         | ACT-S512K8M-035P4Q                  | 1          | STATIC RAM, 512K X 8     | Aeroflex        | 88379     |
| 5962-9561312HTC                         | WMS512K8M-35DE                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561312HYA                         | ACT-S512K8M-035P4Q                  | 1          | STATIC RAM, 512K X 8     | Aeroflex        | 88379     |
| 5962-9561312HZA                         | AS5C512K8ECJ-35/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561312HUC                         | AS5C512K8F-35/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561312H7C                         | AS5C512K8SOJ-35/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561312H7A                         | AS5C512K8SOJ-35/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561312HYA                         | AS5C4008CW-35/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561312HYC                         | AS5C4008CW-35/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561312HNA                         | AS5C512K8EC-35/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561312HMA                         | AS5C4008EC-35/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561312HUA                         | AS5C512K8F-35/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561312H9C                         | AS5C4008F-35/H                      | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561312H9A                         | AS5C4008F-35/H                      | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561312HMC                         | AS5C4008EC-35/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561312HNC                         | AS5C512K8EC-35/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561312HTA                         | AS5C4008ECJ-35/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561312HTC                         | AS5C4008ECJ-35/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561312HZC                         | AS5C512K8ECJ-35/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561313HYA                         | WMS512K8M-25C                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561313HYC                         | WMS512K8M-25C                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561313HTC                         | WMS512K8M-25DE                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561313HTA                         | WMS512K8M-25DE                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561313HYC                         | ACT-S512K8M-025P4Q                  | 1          | STATIC RAM, 512K X 8     | Aeroflex        | 88379     |
| 5962-9561313HYA                         | ACT-S512K8M-025P4Q                  | 1          | STATIC RAM, 512K X 8     | Aeroflex        | 88379     |
| 5962-9561313HTC                         | AS5C4008ECJ-25/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561313HZA                         | AS5C512K8ECJ-25/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561313HZC                         | AS5C512K8ECJ-25/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561313H9C                         | AS5C4008F-25/H                      | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561313HMA                         | AS5C4008EC-25/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561313HTA                         | AS5C4008ECJ-25/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561313HYC                         | AS5C4008CW-25/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561313HYA                         | AS5C4008CW-25/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561313HMC                         | AS5C4008EC-25/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561313H7C                         | AS5C512K8SOJ-25/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561313HUA                         | AS5C512K8F-25/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561313H9A                         | AS5C4008F-25/H                      | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561313HNA                         | AS5C512K8EC-25/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561313HUC                         | AS5C512K8F-25/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561313HNC                         | AS5C512K8EC-25/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561313H7A                         | AS5C512K8SOJ-25/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561314HTA                         | WMS512K8M-15DE                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561314HTC                         | WMS512K8M-15DE                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561314HYC                         | WMS512K8M-15C                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561314HYA                         | WMS512K8M-15C                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561315HYC                         | WMS512K8L-120C                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561315HYA                         | WMS512K8L-120C                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |                          |                 |           |
|---|-------------------------------------|------------|--------------------------|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description | Approved Source | CAGE Code |
| 5962-9561315HTA                         | WMS512K8L-120DE                     | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561315HTC                         | WMS512K8L-120DE                     | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561315HYC                         | AS5C4009CW-120L/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561315HYA                         | AS5C4009CW-120L/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561316HTC                         | WMS512K8L-100DE                     | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561316HTA                         | WMS512K8L-100DE                     | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561316HYC                         | WMS512K8L-100C                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561316HYA                         | WMS512K8L-100C                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561316HYA                         | AS5C4009CW-100L/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561316HYC                         | AS5C4009CW-100L/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561317HTC                         | WMS512K8L-85DE                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561317HTA                         | WMS512K8L-85DE                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561317HYC                         | WMS512K8L-85C                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561317HYA                         | WMS512K8L-85C                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561317HYC                         | AS5C4009CW-85L/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561317HYA                         | AS5C4009CW-85L/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561318HYC                         | WMS512K8L-70C                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561318HTA                         | WMS512K8L-70DE                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561318HTC                         | WMS512K8L-70DE                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561318HYA                         | WMS512K8L-70C                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561318HYA                         | AS5C4009CW-70L/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561318HYC                         | AS5C4009CW-70L/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561319HYC                         | WMS512K8L-55C                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561319HYA                         | WMS512K8L-55C                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561319HUC                         | WMS512K8L-55FT                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561319HUA                         | WMS512K8L-55FT                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561319HXC                         | WMS512K8L-55F                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561319HZC                         | WMS512K8L-55DJ                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561319HZA                         | WMS512K8L-55DJ                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561319HTC                         | WMS512K8L-55DE                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561319HTA                         | WMS512K8L-55DE                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561319HTA                         | AS5C4008ECJ-55L/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561319H9C                         | AS5C4008F-55L/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561319HTC                         | AS5C4008ECJ-55L/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561319H9A                         | AS5C4008F-55L/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561319HYA                         | AS5C4008CW-55L/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561319HUC                         | AS5C512K8F-55L/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561319HNC                         | AS5C512K8EC-55L/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561319HNA                         | AS5C512K8EC-55L/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561319HUA                         | AS5C512K8F-55L/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561319HMC                         | AS5C4008EC-55L/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561319HYC                         | AS5C4008CW-55L/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561319HMA                         | AS5C4008EC-55L/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561319HZC                         | AS5C512K8ECJ-55L/H                  | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561319H7A                         | AS5C512K8SOJ-55L/H                  | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561319HZA                         | AS5C512K8ECJ-55L/H                  | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561319H7C                         | AS5C512K8SOJ-55L/H                  | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |                          |                 |           |
|---|-------------------------------------|------------|--------------------------|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description | Approved Source | CAGE Code |
| 5962-9561320HYA                         | WMS512K8L-45C                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561320HUA                         | WMS512K8L-45FT                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561320HUC                         | WMS512K8L-45FT                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561320HXC                         | WMS512K8L-45F                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561320HZC                         | WMS512K8L-45DJ                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561320HZA                         | WMS512K8L-45DJ                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561320HTC                         | WMS512K8L-45DE                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561320HTA                         | WMS512K8L-45DE                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561320HYC                         | WMS512K8L-45C                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561320HYA                         | AS5C4008CW-45L/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561320HZA                         | AS5C512K8ECJ-45L/H                  | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561320HNC                         | AS5C512K8EC-45L/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561320HNA                         | AS5C512K8EC-45L/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561320HYC                         | AS5C4008CW-45L/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561320HMA                         | AS5C4008EC-45L/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561320HUA                         | AS5C512K8F-45L/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561320HUC                         | AS5C512K8F-45L/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561320HZC                         | AS5C512K8ECJ-45L/H                  | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561320H7A                         | AS5C512K8SOJ-45L/H                  | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561320H9C                         | AS5C4008F-45L/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561320H9A                         | AS5C4008F-45L/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561320H7C                         | AS5C512K8SOJ-45L/H                  | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561320HTC                         | AS5C4008ECJ-45L/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561320HTA                         | AS5C4008ECJ-45L/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561320HMC                         | AS5C4008EC-45L/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561321HXC                         | WMS512K8L-35F                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561321HUC                         | WMS512K8L-35FT                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561321HUA                         | WMS512K8L-35FT                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561321HZC                         | WMS512K8L-35DJ                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561321HTC                         | WMS512K8L-35DE                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561321HTA                         | WMS512K8L-35DE                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561321HYC                         | WMS512K8L-35C                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561321HYA                         | WMS512K8L-35C                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561321HZA                         | WMS512K8L-35DJ                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561321HYC                         | AS5C4008CW-35L/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561321HZA                         | AS5C512K8ECJ-35L/H                  | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561321HNA                         | AS5C512K8EC-35L/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561321HUC                         | AS5C512K8F-35L/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561321HUA                         | AS5C512K8F-35L/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561321H7A                         | AS5C512K8SOJ-35L/H                  | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561321H7C                         | AS5C512K8SOJ-35L/H                  | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561321HYA                         | AS5C4008CW-35L/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561321HZC                         | AS5C512K8ECJ-35L/H                  | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561321HMA                         | AS5C4008EC-35L/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561321HTC                         | AS5C4008ECJ-35L/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561321HTA                         | AS5C4008ECJ-35L/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561321HNC                         | AS5C512K8EC-35L/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |                          |                 |           |
|---|-------------------------------------|------------|--------------------------|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description | Approved Source | CAGE Code |
| 5962-9561321H9C                         | AS5C4008F-35L/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561321H9A                         | AS5C4008F-35L/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561321HMC                         | AS5C4008EC-35L/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561322HZA                         | WMS512K8L-25DJ                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561322HUC                         | WMS512K8L-25FT                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561322HUA                         | WMS512K8L-25FT                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561322HZC                         | WMS512K8L-25DJ                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561322HTC                         | WMS512K8L-25DE                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561322HTA                         | WMS512K8L-25DE                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561322HYC                         | WMS512K8L-25C                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561322HYA                         | WMS512K8L-25C                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561322HXC                         | WMS512K8L-25F                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561322HZA                         | AS5C512K8ECJ-25L/H                  | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561322HZC                         | AS5C512K8ECJ-25L/H                  | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561322HMA                         | AS5C4008EC-25L/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561322H7A                         | AS5C512K8SOJ-25L/H                  | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561322HTC                         | AS5C4008ECJ-25L/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561322H9C                         | AS5C4008F-25L/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561322H7C                         | AS5C512K8SOJ-25L/H                  | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561322HTA                         | AS5C4008ECJ-25L/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561322HMC                         | AS5C4008EC-25L/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561322HYA                         | AS5C4008CW-25L/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561322HNC                         | AS5C512K8EC-25L/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561322HNA                         | AS5C512K8EC-25L/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561322HYC                         | AS5C4008CW-25L/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561322HUA                         | AS5C512K8F-25L/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561322HUC                         | AS5C512K8F-25L/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561322H9A                         | AS5C4008F-25L/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561323HYA                         | WMS512K8L-20C                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561323HUC                         | WMS512K8L-20FT                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561323HUA                         | WMS512K8L-20FT                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561323HXC                         | WMS512K8L-20F                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561323HZC                         | WMS512K8L-20DJ                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561323HYC                         | WMS512K8L-20C                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561323HZA                         | WMS512K8L-20DJ                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561323HTA                         | WMS512K8L-20DE                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561323HTC                         | WMS512K8L-20DE                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561323HUC                         | AS5C512K8F-20L/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561323HZA                         | AS5C512K8ECJ-20L/H                  | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561323HZC                         | AS5C512K8ECJ-20L/H                  | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561323HUA                         | AS5C512K8F-20L/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561323H7C                         | AS5C512K8SOJ-20L/H                  | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561323H7A                         | AS5C512K8SOJ-20L/H                  | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561323HTC                         | AS5C4008ECJ-20L/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561323HNA                         | AS5C512K8EC-20L/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561323HNC                         | AS5C512K8EC-20L/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561323H9A                         | AS5C4008F-20L/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |                          |                 |           |
|---|-------------------------------------|------------|--------------------------|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description | Approved Source | CAGE Code |
| 5962-9561323H9C                         | AS5C4008F-20L/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561323HTA                         | AS5C4008ECJ-20L/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561323HMC                         | AS5C4008EC-20L/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561323HYC                         | AS5C4008CW-20L/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561323HMA                         | AS5C4008EC-20L/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561323HYA                         | AS5C4008CW-20L/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561324HYA                         | WMS512K8L-17C                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561324HUC                         | WMS512K8L-17FT                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561324HUA                         | WMS512K8L-17FT                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561324HXC                         | WMS512K8L-17F                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561324HZC                         | WMS512K8L-17DJ                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561324HZA                         | WMS512K8L-17DJ                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561324HTC                         | WMS512K8L-17DE                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561324HYC                         | WMS512K8L-17C                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561324HTA                         | WMS512K8L-17DE                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561324HUA                         | AS5C512K8F-17L/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561324HMC                         | AS5C4008EC-17L/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561324H9C                         | AS5C4008F-17L/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561324HYA                         | AS5C4008CW-17L/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561324HYC                         | AS5C4008CW-17L/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561324HTC                         | AS5C4008ECJ-17L/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561324HMA                         | AS5C4008EC-17L/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561324HTA                         | AS5C4008ECJ-17L/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561324HNC                         | AS5C512K8EC-17L/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561324HZA                         | AS5C512K8ECJ-17L/H                  | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561324H9A                         | AS5C4008F-17L/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561324H7A                         | AS5C512K8SOJ-17L/H                  | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561324H7C                         | AS5C512K8SOJ-17L/H                  | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561324HZC                         | AS5C512K8ECJ-17L/H                  | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561324HUC                         | AS5C512K8F-17L/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561324HNA                         | AS5C512K8EC-17L/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561325HUA                         | AS5C512K8F-45L/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561325HYA                         | AS5C4008CW-45L/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561325HUC                         | AS5C512K8F-45L/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561325HTC                         | AS5C4008ECJ-45L/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561325HZC                         | AS5C512K8ECJ-45L/H                  | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561325H9C                         | AS5C4008F-45L/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561325H9A                         | AS5C4008F-45L/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561325HYC                         | AS5C4008CW-45L/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561325HZA                         | AS5C512K8ECJ-45L/H                  | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561325HMC                         | AS5C4008EC-45L/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561325HTA                         | AS5C4008ECJ-45L/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561325H7C                         | AS5C512K8SOJ-45L/H                  | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561325H7A                         | AS5C512K8SOJ-45L/H                  | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561325HNA                         | AS5C512K8EC-45L/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561325HMA                         | AS5C4008EC-45L/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561325HNC                         | AS5C512K8EC-45L/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |                          |                 |           |
|---|-------------------------------------|------------|--------------------------|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description | Approved Source | CAGE Code |
| 5962-9561326HNA                         | AS5C512K8EC-35L/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561326H9A                         | AS5C4008F-35L/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561326HUA                         | AS5C512K8F-35L/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561326HUC                         | AS5C512K8F-35L/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561326HMC                         | AS5C4008EC-35L/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561326HMA                         | AS5C4008EC-35L/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561326HYC                         | AS5C4008CW-35L/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561326H9C                         | AS5C4008F-35L/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561326H7C                         | AS5C512K8SOJ-35L/H                  | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561326H7A                         | AS5C512K8SOJ-35L/H                  | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561326HTA                         | AS5C4008ECJ-35L/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561326HTC                         | AS5C4008ECJ-35L/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561326HZZA                        | AS5C512K8ECJ-35L/H                  | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561326HYA                         | AS5C4008CW-35L/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561326HNC                         | AS5C512K8EC-35L/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561326HZC                         | AS5C512K8ECJ-35L/H                  | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561327HZZA                        | AS5C512K8ECJ-25L/H                  | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561327HMA                         | AS5C4008EC-25L/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561327HMC                         | AS5C4008EC-25L/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561327HZC                         | AS5C512K8ECJ-25L/H                  | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561327HNA                         | AS5C512K8EC-25L/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561327HUC                         | AS5C512K8F-25L/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561327HUA                         | AS5C512K8F-25L/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561327H7A                         | AS5C512K8SOJ-25L/H                  | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561327H9A                         | AS5C4008F-25L/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561327HTA                         | AS5C4008ECJ-25L/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561327HYC                         | AS5C4008CW-25L/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561327HYA                         | AS5C4008CW-25L/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561327HTC                         | AS5C4008ECJ-25L/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561327H7C                         | AS5C512K8SOJ-25L/H                  | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561327H9C                         | AS5C4008F-25L/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561327HNC                         | AS5C512K8EC-25L/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561328HTA                         | WMS512K8L-12DE                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561328HTC                         | WMS512K8L-12DE                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561328HZZA                        | WMS512K8L-12DJ                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561328HZC                         | WMS512K8L-12DJ                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561328HXC                         | WMS512K8L-12F                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561328HUA                         | WMS512K8L-12FT                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561328HUC                         | WMS512K8L-12FT                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561328HYA                         | WMS512K8L-12C                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561328HYC                         | WMS512K8L-12C                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561328H9A                         | AS5C4008F-12L/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561328H9C                         | AS5C4008F-12L/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561328H7C                         | AS5C512K8SOJ-12L/H                  | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561328H7A                         | AS5C512K8SOJ-12L/H                  | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561328HYA                         | AS5C4008CW-12L/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561328HUC                         | AS5C512K8F-12L/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |                          |                 |           |
|---|-------------------------------------|------------|--------------------------|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description | Approved Source | CAGE Code |
| 5962-9561328HMC                         | AS5C4008EC-12L/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561328HTC                         | AS5C4008ECJ-12L/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561328HUA                         | AS5C512K8F-12L/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561328HTA                         | AS5C4008ECJ-12L/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561328HMA                         | AS5C4008EC-12L/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561328HYC                         | AS5C4008CW-12L/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561328HNC                         | AS5C512K8EC-12L/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561328HZA                         | AS5C512K8ECJ-12L/H                  | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561328HNA                         | AS5C512K8EC-12L/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561328HZC                         | AS5C512K8ECJ-12L/H                  | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561329HUA                         | WMS512K8-12FT                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561329HTC                         | WMS512K8-12DE                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561329HZA                         | WMS512K8-12DJ                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561329HXC                         | WMS512K8-12F                        | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561329HUC                         | WMS512K8-12FT                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561329HTA                         | WMS512K8-12DE                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561329HYC                         | WMS512K8-12C                        | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561329HYA                         | WMS512K8-12C                        | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561329HZC                         | WMS512K8-12DJ                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561329HUC                         | AS5C512K8F-12/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561329HZC                         | AS5C512K8ECJ-12/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561329H9C                         | AS5C4008F-12/H                      | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561329HZA                         | AS5C512K8ECJ-12/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561329HMC                         | AS5C4008EC-12/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561329HUA                         | AS5C512K8F-12/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561329H7A                         | AS5C512K8SOJ-12/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561329H9A                         | AS5C4008F-12/H                      | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561329HYC                         | AS5C4008CW-12/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561329HYA                         | AS5C4008CW-12/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561329HNA                         | AS5C512K8EC-12/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561329HNC                         | AS5C512K8EC-12/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561329H7C                         | AS5C512K8SOJ-12/H                   | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561329HMA                         | AS5C4008EC-12/H                     | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561329HTA                         | AS5C4008ECJ-12/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561329HTC                         | AS5C4008ECJ-12/H                    | 1          | STATIC RAM, 512K X 8     | Micross Comp,   | 0EU86     |
| 5962-9561330HYA                         | WMS512K8U-12C                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561330HYC                         | WMS512K8U-12C                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561330HTA                         | WMS512K8U-12DE                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561330HTC                         | WMS512K8U-12DE                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561330HZA                         | WMS512K8U-12DJ                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561330HZC                         | WMS512K8U-12DJ                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561330HXC                         | WMS512K8U-12F                       | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561330HUA                         | WMS512K8U-12FT                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9561330HUC                         | WMS512K8U-12FT                      | 1          | STATIC RAM, 512K X 8     | White           | 54230     |
| 5962-9562401HNC                         | WS512K32F-120G4Q                    | 1          | STATIC RAM, 512K X 32    | White           | 54230     |
| 5962-9562402HNC                         | WS512K32F-100G4Q                    | 1          | STATIC RAM, 512K X 32    | White           | 54230     |
| 5962-9562403HNC                         | WS512K32F-85G4Q                     | 1          | STATIC RAM, 512K X 32    | White           | 54230     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                               | Approved Source | CAGE Code |
| 5962-9562404HNC                         | WS512K32F-70G4Q                     | 1          | STATIC RAM, 512K X 32                                  | White           | 54230     |
| 5962-9562405HNC                         | WS512K32F-55G4Q                     | 1          | STATIC RAM, 512K X 32                                  | White           | 54230     |
| 5962-9562405HNC                         | AS8S512K32BQFP-55/88                | 1C         | STATIC RAM, 512K X 32                                  | Micross Comp,   | 0EU86     |
| 5962-9562406HNC                         | WS512K32F-45G4Q                     | 1          | STATIC RAM, 512K X 32                                  | White           | 54230     |
| 5962-9562406HNC                         | AS8S512K32BQFP-45/88                | 1C         | STATIC RAM, 512K X 32                                  | Micross Comp,   | 0EU86     |
| 5962-9562407HNC                         | WS512K32F-35G4Q                     | 1          | STATIC RAM, 512K X 32                                  | White           | 54230     |
| 5962-9562407HNC                         | AS8S512K32BQFP-35/88                | 1C         | STATIC RAM, 512K X 32                                  | Micross Comp,   | 0EU86     |
| 5962-9562408HNC                         | WS512K32F-25G4Q                     | 1          | STATIC RAM, 512K X 32                                  | White           | 54230     |
| 5962-9562408HNC                         | AS8S512K32BQFP-25/88                | 1C         | STATIC RAM, 512K X 32                                  | Micross Comp,   | 0EU86     |
| 5962-9562409HNC                         | WS512K32F-20G4Q                     | 1          | STATIC RAM, 512K X 32                                  | White           | 54230     |
| 5962-9562409HNC                         | AS8S512K32BQFP-20/88                | 1C         | STATIC RAM, 512K X 32                                  | Micross Comp,   | 0EU86     |
| 5962-9562410HNC                         | WS512K32M-45G4Q                     | 1          | STATIC RAM, 512K X 32                                  | White           | 54230     |
| 5962-9562410HNC                         | AS8S512K32BQFP-45/88                | 1C         | STATIC RAM, 512K X 32                                  | Micross Comp,   | 0EU86     |
| 5962-9562411HNC                         | WS512K32M-35G4Q                     | 1          | STATIC RAM, 512K X 32                                  | White           | 54230     |
| 5962-9562411HNC                         | AS8S512K32BQFP-35/88                | 1C         | STATIC RAM, 512K X 32                                  | Micross Comp,   | 0EU86     |
| 5962-9562412HNC                         | WS512K32M-25G4Q                     | 1          | STATIC RAM, 512K X 32                                  | White           | 54230     |
| 5962-9562412HNC                         | AS8S512K32BQFP-25/88                | 1C         | STATIC RAM, 512K X 32                                  | Micross Comp,   | 0EU86     |
| 5962-9564801HXA                         | ASA2812D/CH                         | 1          | DC/DC CONVERTER, DUAL CHANNEL, 12 VOLT, HYBRID         | IR Santa Clara  | 52467     |
| 5962-9566801HXC                         | MSK1259B                            | 1          | OP AMP   | MSK             | 51651     |
| 5962-9566801HXA                         | MSK1259B                            | 1          | OP AMP   | MSK             | 51651     |
| 5962-9569601HXC                         | MCH2805S/883                        | 1          | DC-TO-DC CONVERTER, 5-VOLT                             | Crane           | 50821     |
| 5962-9569601HXA                         | MCH2805S/883                        | 1          | DC-TO-DC CONVERTER, 5-VOLT                             | Crane           | 50821     |
| 5962-9569601HZA                         | MGH2805SZ/883                       | 1          | DC-TO-DC CONVERTER, 5-VOLT                             | Crane           | 50821     |
| 5962-9569601HYC                         | MGH2805S/883                        | 1          | DC-TO-DC CONVERTER, 5-VOLT                             | Crane           | 50821     |
| 5962-9569601HYA                         | MGH2805S/883                        | 1          | DC-TO-DC CONVERTER, 5-VOLT                             | Crane           | 50821     |
| 5962-9569701HYA                         | MGH2812SY/883                       | 1          | DC-TO-DC CONVERTER, 12-VOLT                            | Crane           | 50821     |
| 5962-9569701HXA                         | MCH2812S/883                        | 1          | DC-TO-DC CONVERTER, 12-VOLT                            | Crane           | 50821     |
| 5962-9569701HXC                         | MCH2812S/883                        | 1          | DC-TO-DC CONVERTER, 12-VOLT                            | Crane           | 50821     |
| 5962-9569701HYC                         | MGH2812SY/883                       | 1          | DC-TO-DC CONVERTER, 12-VOLT                            | Crane           | 50821     |
| 5962-9569701HZA                         | MGH2812SZ/883                       | 1          | DC-TO-DC CONVERTER, 12-VOLT                            | Crane           | 50821     |
| 5962-9569801HXA                         | MCH2815S/883                        | 1          | DC-TO-DC CONVERTER, 15-VOLT                            | Crane           | 50821     |
| 5962-9569801HYC                         | MGH2815SY/883                       | 1          | DC-TO-DC CONVERTER, 15-VOLT                            | Crane           | 50821     |
| 5962-9569801HYA                         | MGH2815SY/883                       | 1          | DC-TO-DC CONVERTER, 15-VOLT                            | Crane           | 50821     |
| 5962-9569801HXC                         | MCH2815S/883                        | 1          | DC-TO-DC CONVERTER, 15-VOLT                            | Crane           | 50821     |
| 5962-9569801HZA                         | MGH2815SZ/883                       | 1          | DC-TO-DC CONVERTER, 15-VOLT                            | Crane           | 50821     |
| 5962-9570201HXA                         | MCH2805D/883                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 5W, ±5V OUTPUT          | Crane           | 50821     |
| 5962-9570201HYA                         | MGH2805DY/883                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, 5W, ±5V OUTPUT          | Crane           | 50821     |
| 5962-9570201HXC                         | MCH2805D/883                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 5W, ±5V OUTPUT          | Crane           | 50821     |
| 5962-9570201HZA                         | MGH2805DZ/883                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, 5W, ±5V OUTPUT          | Crane           | 50821     |
| 5962-9570201HYC                         | MGH2805DY/883                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, 5W, ±5V OUTPUT          | Crane           | 50821     |
| 5962-9570301HYA                         | MGH2812DY/883                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, 5W, ±12V OUTPUT         | Crane           | 50821     |
| 5962-9570301HYC                         | MGH2812DY/883                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, 5W, ±12V OUTPUT         | Crane           | 50821     |
| 5962-9570301HZA                         | MGH2812DZ/883                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, 5W, ±12V OUTPUT         | Crane           | 50821     |
| 5962-9570301HXC                         | MCH2812D/883                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 5W, ±12V OUTPUT         | Crane           | 50821     |
| 5962-9570301HXA                         | MCH2812D/883                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 5W, ±12V OUTPUT         | Crane           | 50821     |
| 5962-9570401HXC                         | MCH2815D/883                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 15 VOLT, LINEAR, HYBRID | Crane           | 50821     |



Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                               | Approved Source | CAGE Code |
| 5962-9570401HXA                         | MCH2815D/883                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 15 VOLT, LINEAR, HYBRID | Crane           | 50821     |
| 5962-9570401HYA                         | MGH2815DY/883                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, 15 VOLT, LINEAR, HYBRID | Crane           | 50821     |
| 5962-9570401HYC                         | MGH2815DY/883                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, 15 VOLT, LINEAR, HYBRID | Crane           | 50821     |
| 5962-9570401HZA                         | MGH2815DZ/883                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, 15 VOLT, LINEAR, HYBRID | Crane           | 50821     |
| 5962-9579501HUA                         | AFL2805DW/CH                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 5 VOLT, HYBRID          | IR Santa Clara  | 52467     |
| 5962-9579501HZC                         | AFL2805DZ/CH                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 5 VOLT, HYBRID          | IR Santa Clara  | 52467     |
| 5962-9579501HZA                         | AFL2805DZ/CH                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 5 VOLT, HYBRID          | IR Santa Clara  | 52467     |
| 5962-9579501HYC                         | AFL2805DY/CH                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 5 VOLT, HYBRID          | IR Santa Clara  | 52467     |
| 5962-9579501HYA                         | AFL2805DY/CH                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 5 VOLT, HYBRID          | IR Santa Clara  | 52467     |
| 5962-9579501HXC                         | AFL2805DX/CH                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 5 VOLT, HYBRID          | IR Santa Clara  | 52467     |
| 5962-9579501HUC                         | AFL2805DW/CH                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 5 VOLT, HYBRID          | IR Santa Clara  | 52467     |
| 5962-9579501HXA                         | AFL2805DX/CH                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 5 VOLT, HYBRID          | IR Santa Clara  | 52467     |
| 5962-9579601HYA                         | AFL2812DY/CH                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 12 VOLT, HYBRID         | IR Santa Clara  | 52467     |
| 5962-9579601HZA                         | AFL2812DZ/CH                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 12 VOLT, HYBRID         | IR Santa Clara  | 52467     |
| 5962-9579601HZC                         | AFL2812DZ/CH                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 12 VOLT, HYBRID         | IR Santa Clara  | 52467     |
| 5962-9579601HYC                         | AFL2812DY/CH                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 12 VOLT, HYBRID         | IR Santa Clara  | 52467     |
| 5962-9579601HXC                         | AFL2812DX/CH                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 12 VOLT, HYBRID         | IR Santa Clara  | 52467     |
| 5962-9579601HXA                         | AFL2812DX/CH                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 12 VOLT, HYBRID         | IR Santa Clara  | 52467     |
| 5962-9579601HUC                         | AFL2812DW/CH                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 12 VOLT, HYBRID         | IR Santa Clara  | 52467     |
| 5962-9579601HUA                         | AFL2812DW/CH                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, 12 VOLT, HYBRID         | IR Santa Clara  | 52467     |
| 5962-9581501HXA                         | AD10242TZ/883B                      | 1 (1.5)    | A/D CONVERTER, 12-BIT, DUAL, HYBRID                    | Analog          | 34031     |
| 96003-03HWC                             | EFJ2803H                            | 1          | FILTER, EMI, 3 A                                       | MSK             | 51651     |
| 96003-03HWA                             | EFJ2803H                            | 1          | FILTER, EMI, 3 A                                       | MSK             | 51651     |
| 96003-01HXC                             | FMSA-461/883                        | 1          | FILTER, EMI, 0.80 A                                    | Crane           | 50821     |
| 96003-01HXA                             | FMSA-461/883                        | 1          | FILTER, EMI, 0.80 A                                    | Crane           | 50821     |
| 96003-01HZA                             | FMGA-461Z/883                       | 1          | FILTER, EMI, 0.80 A                                    | Crane           | 50821     |
| 96003-01HYA                             | FMGA-461/883                        | 1          | FILTER, EMI, 0.80 A                                    | Crane           | 50821     |
| 96003-01HYC                             | FMGA-461/883                        | 1          | FILTER, EMI, 0.80 A                                    | Crane           | 50821     |
| 96003H02HXA                             | STF28-461/HH                        | 1          | FILTER, EMI, 0.80 A                                    | Crane           | 50821     |
| 96003H02HXC                             | STF28-461/HH                        | 1          | FILTER, EMI, 0.80 A                                    | Crane           | 50821     |
| 96003H02KXA                             | STF28-461/KH                        | 1          | FILTER, EMI, 0.80 A                                    | Crane           | 50821     |
| 96003H02KXC                             | STF28-461/KH                        | 1          | FILTER, EMI, 0.80 A                                    | Crane           | 50821     |
| 5962-9650101HXA                         | AFL27025SX/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 25 VOLT, HYBRID       | IR Santa Clara  | 52467     |
| 5962-9650101HUC                         | AFL27025SW/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 25 VOLT, HYBRID       | IR Santa Clara  | 52467     |
| 5962-9650101HXC                         | AFL27025SX/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 25 VOLT, HYBRID       | IR Santa Clara  | 52467     |
| 5962-9650101HYA                         | AFL27025SY/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 25 VOLT, HYBRID       | IR Santa Clara  | 52467     |
| 5962-9650101HYC                         | AFL27025SY/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 25 VOLT, HYBRID       | IR Santa Clara  | 52467     |
| 5962-9650101HZA                         | AFL27025SZ/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 25 VOLT, HYBRID       | IR Santa Clara  | 52467     |
| 5962-9650101HZC                         | AFL27025SZ/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 25 VOLT, HYBRID       | IR Santa Clara  | 52467     |
| 5962-9650101HUA                         | AFL27025SW/CH                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 25 VOLT, HYBRID       | IR Santa Clara  | 52467     |
| 5962-9665901HYC                         | AFL2808SY/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 8 VOLT, HYBRID        | IR Santa Clara  | 52467     |
| 5962-9665901HZA                         | AFL2808SZ/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 8 VOLT, HYBRID        | IR Santa Clara  | 52467     |
| 5962-9665901HZC                         | AFL2808SZ/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 8 VOLT, HYBRID        | IR Santa Clara  | 52467     |
| 5962-9665901HXA                         | AFL2808SX/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 8 VOLT, HYBRID        | IR Santa Clara  | 52467     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                         | Approved Source | CAGE Code |
| 5962-9665901HYA                         | AFL2808SY/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 8 VOLT, HYBRID  | IR Santa Clara  | 52467     |
| 5962-9665901HXC                         | AFL2808SX/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 8 VOLT, HYBRID  | IR Santa Clara  | 52467     |
| 5962-9665901HUC                         | AFL2808SW/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 8 VOLT, HYBRID  | IR Santa Clara  | 52467     |
| 5962-9665901HUA                         | AFL2808SW/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 8 VOLT, HYBRID  | IR Santa Clara  | 52467     |
| 5962-9668701HXC                         | MSK1120B                            | 1          | TEMPERATURE SENSOR                               | MSK             | 51651     |
| 5962-9668701HXA                         | MSK1120B                            | 1          | TEMPERATURE SENSOR                               | MSK             | 51651     |
| 5962-9668901HXA                         | WE128K16-300CQA                     | 1          | 128K X 16-BIT EEPROM, 300 NS ACCESS TIME, HYBRID | White           | 54230     |
| 5962-9668901HXC                         | WE128K16-300CQ                      | 1          | 128K X 16-BIT EEPROM, 300 NS ACCESS TIME, HYBRID | White           | 54230     |
| 5962-9668902HXC                         | WE128K16-250CQ                      | 1          | 128K X 16-BIT EEPROM, 250 NS ACCESS TIME, HYBRID | White           | 54230     |
| 5962-9668902HXA                         | WE128K16-250CQA                     | 1          | 128K X 16-BIT EEPROM, 250 NS ACCESS TIME, HYBRID | White           | 54230     |
| 5962-9668903HXA                         | WE128K16-200CQA                     | 1          | 128K X 16-BIT EEPROM, 200 NS ACCESS TIME, HYBRID | White           | 54230     |
| 5962-9668903HXC                         | WE128K16-200CQ                      | 1          | 128K X 16-BIT EEPROM, 200 NS ACCESS TIME, HYBRID | White           | 54230     |
| 5962-9668904HXC                         | WE128K16-150CQ                      | 1          | 128K X 16-BIT EEPROM, 150 NS ACCESS TIME, HYBRID | White           | 54230     |
| 5962-9668904HXA                         | WE128K16-150CQA                     | 1          | 128K X 16-BIT EEPROM, 150 NS ACCESS TIME, HYBRID | White           | 54230     |
| 5962-9669001HUC                         | WMF128K8-150FFQ5                    | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 150 NS         | White           | 54230     |
| 5962-9669001HYC                         | ACT-F128K8N-150P4Q                  | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 150 NS         | Aeroflex        | 88379     |
| 5962-9669001HYA                         | ACT-F128K8N-150P4Q                  | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 150 NS         | Aeroflex        | 88379     |
| 5962-9669001HUC                         | ACT-F128K8N-150F7Q                  | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 150 NS         | Aeroflex        | 88379     |
| 5962-9669001HUA                         | ACT-F128K8N-150F7Q                  | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 150 NS         | Aeroflex        | 88379     |
| 5962-9669001HTA                         | ACT-F128K8N-150F6Q                  | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 150 NS         | Aeroflex        | 88379     |
| 5962-9669001HXC                         | WMF128K8-150DEQ5                    | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 150 NS         | White           | 54230     |
| 5962-9669001HUA                         | WMF128K8-150FFQ5                    | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 150 NS         | White           | 54230     |
| 5962-9669001HTC                         | WMF128K8-150FEQ5                    | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 150 NS         | White           | 54230     |
| 5962-9669001HXA                         | WMF128K8-150DEQ5                    | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 150 NS         | White           | 54230     |
| 5962-9669001HYC                         | WMF128K8-150CQ5                     | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 150 NS         | White           | 54230     |
| 5962-9669001HTA                         | WMF128K8-150FEQ5                    | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 150 NS         | White           | 54230     |
| 5962-9669001HTC                         | ACT-F128K8N-150F6Q                  | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 150 NS         | Aeroflex        | 88379     |
| 5962-9669001HYA                         | WMF128K8-150CQ5                     | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 150 NS         | White           | 54230     |
| 5962-9669001HXC                         | AS29F010CW-150/Q                    | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 150 NS         | Micross Comp,   | 0EU86     |
| 5962-9669001HUA                         | AS29F010DCG-150/Q                   | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 150 NS         | Micross Comp,   | 0EU86     |
| 5962-9669001HUC                         | AS29F010DCG-150/Q                   | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 150 NS         | Micross Comp,   | 0EU86     |
| 5962-9669001HTA                         | AS29F010F-150/Q                     | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 150 NS         | Micross Comp,   | 0EU86     |
| 5962-9669001HTC                         | AS29F010F-150/Q                     | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 150 NS         | Micross Comp,   | 0EU86     |
| 5962-9669001HYA                         | AS29F010CW-150/Q                    | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 150 NS         | Micross Comp,   | 0EU86     |
| 5962-9669002HYC                         | WMF128K8-120CQ5                     | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 120 NS         | White           | 54230     |
| 5962-9669002HYA                         | ACT-F128K8N-120P4Q                  | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 120 NS         | Aeroflex        | 88379     |
| 5962-9669002HUC                         | ACT-F128K8N-120F7Q                  | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 120 NS         | Aeroflex        | 88379     |
| 5962-9669002HTC                         | ACT-F128K8N-120F6Q                  | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 120 NS         | Aeroflex        | 88379     |
| 5962-9669002HUA                         | ACT-F128K8N-120F7Q                  | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 120 NS         | Aeroflex        | 88379     |
| 5962-9669002HTA                         | ACT-F128K8N-120F6Q                  | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 120 NS         | Aeroflex        | 88379     |
| 5962-9669002HYC                         | ACT-F128K8N-120P4Q                  | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 120 NS         | Aeroflex        | 88379     |
| 5962-9669002HXA                         | WMF128K8-120DEQ5                    | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 120 NS         | White           | 54230     |
| 5962-9669002HYA                         | WMF128K8-120CQ5                     | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 120 NS         | White           | 54230     |
| 5962-9669002HTA                         | WMF128K8-120FEQ5                    | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 120 NS         | White           | 54230     |
| 5962-9669002HTC                         | WMF128K8-120FEQ5                    | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 120 NS         | White           | 54230     |
| 5962-9669002HUA                         | WMF128K8-120FFQ5                    | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 120 NS         | White           | 54230     |
| 5962-9669002HUC                         | WMF128K8-120FFQ5                    | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 120 NS         | White           | 54230     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |  |
|---|-------------------------------------|------------|--|-----------------|-----------|--|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                 | Approved Source | CAGE Code |  |
| 5962-9669002HXC                         | WMF128K8-120DEQ5                    | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 120 NS | White           | 54230     |  |
| 5962-9669002HUA                         | AS29F010DCG-120/Q                   | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 120 NS | Micros Comp,    | 0EU86     |  |
| 5962-9669002HTC                         | AS29F010F-120/Q                     | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 120 NS | Micros Comp,    | 0EU86     |  |
| 5962-9669002HTA                         | AS29F010F-120/Q                     | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 120 NS | Micros Comp,    | 0EU86     |  |
| 5962-9669002HYA                         | AS29F010CW-120/Q                    | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 120 NS | Micros Comp,    | 0EU86     |  |
| 5962-9669002HYC                         | AS29F010CW-120/Q                    | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 120 NS | Micros Comp,    | 0EU86     |  |
| 5962-9669002HUC                         | AS29F010DCG-120/Q                   | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 120 NS | Micros Comp,    | 0EU86     |  |
| 5962-9669003HTA                         | ACT-F128K8N-090F6Q                  | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 90 NS  | Aeroflex        | 88379     |  |
| 5962-9669003HYC                         | WMF128K8-90CQ5                      | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 90 NS  | White           | 54230     |  |
| 5962-9669003HYC                         | ACT-F128K8N-090P4Q                  | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 90 NS  | Aeroflex        | 88379     |  |
| 5962-9669003HYA                         | ACT-F128K8N-090P4Q                  | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 90 NS  | Aeroflex        | 88379     |  |
| 5962-9669003HUC                         | ACT-F128K8N-090F7Q                  | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 90 NS  | Aeroflex        | 88379     |  |
| 5962-9669003HTC                         | ACT-F128K8N-090F6Q                  | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 90 NS  | Aeroflex        | 88379     |  |
| 5962-9669003HUA                         | ACT-F128K8N-090F7Q                  | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 90 NS  | Aeroflex        | 88379     |  |
| 5962-9669003HXC                         | WMF128K8-90DEQ5                     | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 90 NS  | White           | 54230     |  |
| 5962-9669003HTA                         | WMF128K8-90FEQ5                     | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 90 NS  | White           | 54230     |  |
| 5962-9669003HTC                         | WMF128K8-90FEQ5                     | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 90 NS  | White           | 54230     |  |
| 5962-9669003HUA                         | WMF128K8-90FFQ5                     | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 90 NS  | White           | 54230     |  |
| 5962-9669003HUC                         | WMF128K8-90FFQ5                     | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 90 NS  | White           | 54230     |  |
| 5962-9669003HXA                         | WMF128K8-90DEQ5                     | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 90 NS  | White           | 54230     |  |
| 5962-9669003HYA                         | WMF128K8-90CQ5                      | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 90 NS  | White           | 54230     |  |
| 5962-9669003HTC                         | AS29F010F-90/Q                      | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 90 NS  | Micros Comp,    | 0EU86     |  |
| 5962-9669003HUC                         | AS29F010DCG-90/Q                    | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 90 NS  | Micros Comp,    | 0EU86     |  |
| 5962-9669003HUA                         | AS29F010DCG-90/Q                    | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 90 NS  | Micros Comp,    | 0EU86     |  |
| 5962-9669003HYA                         | AS29F010CW-90/Q                     | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 90 NS  | Micros Comp,    | 0EU86     |  |
| 5962-9669003HTA                         | AS29F010F-90/Q                      | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 90 NS  | Micros Comp,    | 0EU86     |  |
| 5962-9669003HYC                         | AS29F010CW-90/Q                     | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 90 NS  | Micros Comp,    | 0EU86     |  |
| 5962-9669004HUA                         | ACT-F128K8N-070F7Q                  | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 70 NS  | Aeroflex        | 88379     |  |
| 5962-9669004HXA                         | WMF128K8-70DEQ5                     | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 70 NS  | White           | 54230     |  |
| 5962-9669004HXC                         | WMF128K8-70DEQ5                     | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 70 NS  | White           | 54230     |  |
| 5962-9669004HTC                         | ACT-F128K8N-070F6Q                  | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 70 NS  | Aeroflex        | 88379     |  |
| 5962-9669004HUC                         | ACT-F128K8N-070F7Q                  | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 70 NS  | Aeroflex        | 88379     |  |
| 5962-9669004HYA                         | ACT-F128K8N-070P4Q                  | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 70 NS  | Aeroflex        | 88379     |  |
| 5962-9669004HYC                         | ACT-F128K8N-070P4Q                  | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 70 NS  | Aeroflex        | 88379     |  |
| 5962-9669004HYA                         | WMF128K8-70CQ5                      | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 70 NS  | White           | 54230     |  |
| 5962-9669004HYC                         | WMF128K8-70CQ5                      | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 70 NS  | White           | 54230     |  |
| 5962-9669004HTA                         | WMF128K8-70FEQ5                     | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 70 NS  | White           | 54230     |  |
| 5962-9669004HTC                         | WMF128K8-70FEQ5                     | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 70 NS  | White           | 54230     |  |
| 5962-9669004HUA                         | WMF128K8-70FFQ5                     | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 70 NS  | White           | 54230     |  |
| 5962-9669004HUC                         | WMF128K8-70FFQ5                     | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 70 NS  | White           | 54230     |  |
| 5962-9669004HTA                         | ACT-F128K8N-070F6Q                  | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 70 NS  | Aeroflex        | 88379     |  |
| 5962-9669004HTC                         | AS29F010F-70/Q                      | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 70 NS  | Micros Comp,    | 0EU86     |  |
| 5962-9669004HYA                         | AS29F010CW-70/Q                     | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 70 NS  | Micros Comp,    | 0EU86     |  |
| 5962-9669004HYC                         | AS29F010CW-70/Q                     | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 70 NS  | Micros Comp,    | 0EU86     |  |
| 5962-9669004HTA                         | AS29F010F-70/Q                      | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 70 NS  | Micros Comp,    | 0EU86     |  |
| 5962-9669004HUC                         | AS29F010DCG-70/Q                    | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 70 NS  | Micros Comp,    | 0EU86     |  |
| 5962-9669004HUA                         | AS29F010DCG-70/Q                    | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 70 NS  | Micros Comp,    | 0EU86     |  |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |   |                 |           |
|---|-------------------------------------|------------|---|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                | Approved Source | CAGE Code |
| 5962-9669005HUA                         | ACT-F128K8N-060F7Q                  | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 60 NS | Aeroflex        | 88379     |
| 5962-9669005HTA                         | ACT-F128K8N-060F6Q                  | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 60 NS | Aeroflex        | 88379     |
| 5962-9669005HTC                         | ACT-F128K8N-060F6Q                  | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 60 NS | Aeroflex        | 88379     |
| 5962-9669005HUA                         | WMF128K8-60FFQ5                     | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 60 NS | White           | 54230     |
| 5962-9669005HTC                         | WMF128K8-60FEQ5                     | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 60 NS | White           | 54230     |
| 5962-9669005HYA                         | WMF128K8-60CQ5                      | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 60 NS | White           | 54230     |
| 5962-9669005HXA                         | WMF128K8-60DEQ5                     | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 60 NS | White           | 54230     |
| 5962-9669005HXC                         | WMF128K8-60DEQ5                     | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 60 NS | White           | 54230     |
| 5962-9669005HTA                         | WMF128K8-60FEQ5                     | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 60 NS | White           | 54230     |
| 5962-9669005HYA                         | ACT-F128K8N-060P4Q                  | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 60 NS | Aeroflex        | 88379     |
| 5962-9669005HYC                         | ACT-F128K8N-060P4Q                  | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 60 NS | Aeroflex        | 88379     |
| 5962-9669005HUC                         | ACT-F128K8N-060F7Q                  | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 60 NS | Aeroflex        | 88379     |
| 5962-9669005HUC                         | WMF128K8-60FFQ5                     | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 60 NS | White           | 54230     |
| 5962-9669005HYC                         | WMF128K8-60CQ5                      | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 60 NS | White           | 54230     |
| 5962-9669005HUA                         | AS29F010DCG-60/Q                    | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 60 NS | Micross Comp,   | 0EU86     |
| 5962-9669005HTC                         | AS29F010F-60/Q                      | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 60 NS | Micross Comp,   | 0EU86     |
| 5962-9669005HYA                         | AS29F010CW-60/Q                     | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 60 NS | Micross Comp,   | 0EU86     |
| 5962-9669005HUC                         | AS29F010DCG-60/Q                    | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 60 NS | Micross Comp,   | 0EU86     |
| 5962-9669005HTA                         | AS29F010F-60/Q                      | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 60 NS | Micross Comp,   | 0EU86     |
| 5962-9669005HYC                         | AS29F010CW-60/Q                     | 1          | PROM, ELECTR. ERASABLE, 128K X 8, 60 NS | Micross Comp,   | 0EU86     |
| 5962-9669101HYC                         | WMS128K8-120C                       | 1          | 128K X 8-BIT STATIC RAM                 | White           | 54230     |
| 5962-9669101HTA                         | WMS128K8-120DE                      | 1          | 128K X 8-BIT STATIC RAM                 | White           | 54230     |
| 5962-9669101HTC                         | WMS128K8-120DE                      | 1          | 128K X 8-BIT STATIC RAM                 | White           | 54230     |
| 5962-9669101HUA                         | WMS128K8-120DR                      | 1          | 128K X 8-BIT STATIC RAM                 | White           | 54230     |
| 5962-9669101HUC                         | WMS128K8-120DR                      | 1          | 128K X 8-BIT STATIC RAM                 | White           | 54230     |
| 5962-9669101HNA                         | WMS128K8-120FE                      | 1          | 128K X 8-BIT STATIC RAM                 | White           | 54230     |
| 5962-9669101HNC                         | WMS128K8-120FE                      | 1          | 128K X 8-BIT STATIC RAM                 | White           | 54230     |
| 5962-9669101HYA                         | WMS128K8-120C                       | 1          | 128K X 8-BIT STATIC RAM                 | White           | 54230     |
| 5962-9669102HUC                         | WMS128K8-100DR                      | 1          | 128K X 8-BIT STATIC RAM                 | White           | 54230     |
| 5962-9669102HYA                         | WMS128K8-100C                       | 1          | 128K X 8-BIT STATIC RAM                 | White           | 54230     |
| 5962-9669102HYC                         | WMS128K8-100C                       | 1          | 128K X 8-BIT STATIC RAM                 | White           | 54230     |
| 5962-9669102HTA                         | WMS128K8-100DE                      | 1          | 128K X 8-BIT STATIC RAM                 | White           | 54230     |
| 5962-9669102HUA                         | WMS128K8-100DR                      | 1          | 128K X 8-BIT STATIC RAM                 | White           | 54230     |
| 5962-9669102HNA                         | WMS128K8-100FE                      | 1          | 128K X 8-BIT STATIC RAM                 | White           | 54230     |
| 5962-9669102HNC                         | WMS128K8-100FE                      | 1          | 128K X 8-BIT STATIC RAM                 | White           | 54230     |
| 5962-9669102HTC                         | WMS128K8-100DE                      | 1          | 128K X 8-BIT STATIC RAM                 | White           | 54230     |
| 5962-9669103HTC                         | WMS128K8-85DE                       | 1          | 128K X 8-BIT STATIC RAM                 | White           | 54230     |
| 5962-9669103HYA                         | WMS128K8-85C                        | 1          | 128K X 8-BIT STATIC RAM                 | White           | 54230     |
| 5962-9669103HTA                         | WMS128K8-85DE                       | 1          | 128K X 8-BIT STATIC RAM                 | White           | 54230     |
| 5962-9669103HUA                         | WMS128K8-85DR                       | 1          | 128K X 8-BIT STATIC RAM                 | White           | 54230     |
| 5962-9669103HUC                         | WMS128K8-85DR                       | 1          | 128K X 8-BIT STATIC RAM                 | White           | 54230     |
| 5962-9669103HNA                         | WMS128K8-85FE                       | 1          | 128K X 8-BIT STATIC RAM                 | White           | 54230     |
| 5962-9669103HNC                         | WMS128K8-85FE                       | 1          | 128K X 8-BIT STATIC RAM                 | White           | 54230     |
| 5962-9669103HYC                         | WMS128K8-85C                        | 1          | 128K X 8-BIT STATIC RAM                 | White           | 54230     |
| 5962-9669104HYA                         | WMS128K8-70C                        | 1          | 128K X 8-BIT STATIC RAM                 | White           | 54230     |
| 5962-9669104HYC                         | WMS128K8-70C                        | 1          | 128K X 8-BIT STATIC RAM                 | White           | 54230     |
| 5962-9669104HTA                         | WMS128K8-70DE                       | 1          | 128K X 8-BIT STATIC RAM                 | White           | 54230     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |                          |                 |           |
|---|-------------------------------------|------------|--------------------------|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description | Approved Source | CAGE Code |
| 5962-9669104HUA                         | WMS128K8-70DR                       | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |
| 5962-9669104HNA                         | WMS128K8-70FE                       | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |
| 5962-9669104HNC                         | WMS128K8-70FE                       | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |
| 5962-9669104HTC                         | WMS128K8-70DE                       | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |
| 5962-9669104HUC                         | WMS128K8-70DR                       | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |
| 5962-9669105HXC                         | WMS128K8-55F                        | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |
| 5962-9669105HUC                         | WMS128K8-55DR                       | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |
| 5962-9669105HUA                         | WMS128K8-55DR                       | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |
| 5962-9669105HTA                         | WMS128K8-55DE                       | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |
| 5962-9669105HYC                         | WMS128K8-55C                        | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |
| 5962-9669105HYA                         | WMS128K8-55C                        | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |
| 5962-9669105HZA                         | WMS128K8-55DJ                       | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |
| 5962-9669105HZC                         | WMS128K8-55DJ                       | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |
| 5962-9669105HTC                         | WMS128K8-55DE                       | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |
| 5962-9669105HXC                         | MT5C128K8F-55/H                     | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669105HYA                         | MT5C1009DCJ-55/H                    | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669105HYC                         | MT5C1009DCJ-55/H                    | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669105HZC                         | MT5C128K8ECJ-55/H                   | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669105HZA                         | MT5C128K8ECJ-55/H                   | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669105HTC                         | MT5C1009CW-55/H                     | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669105HTA                         | MT5C1009CW-55/H                     | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669105HXA                         | MT5C128K8F-55/H                     | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669106HZC                         | WMS128K8-45DJ                       | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |
| 5962-9669106HXC                         | WMS128K8-45F                        | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |
| 5962-9669106HUC                         | WMS128K8-45DR                       | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |
| 5962-9669106HUA                         | WMS128K8-45DR                       | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |
| 5962-9669106HZA                         | WMS128K8-45DJ                       | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |
| 5962-9669106HTC                         | WMS128K8-45DE                       | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |
| 5962-9669106HTA                         | WMS128K8-45DE                       | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |
| 5962-9669106HYC                         | WMS128K8-45C                        | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |
| 5962-9669106HYA                         | WMS128K8-45C                        | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |
| 5962-9669106HXC                         | MT5C128K8F-45/H                     | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669106HTA                         | MT5C1009CW-45/H                     | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669106HTC                         | MT5C1009CW-45/H                     | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669106HXA                         | MT5C128K8F-45/H                     | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669106HYC                         | MT5C1009DCJ-45/H                    | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669106HZC                         | MT5C128K8ECJ-45/H                   | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669106HZA                         | MT5C128K8ECJ-45/H                   | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669106HYA                         | MT5C1009DCJ-45/H                    | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669107HTC                         | WMS128K8-35DE                       | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |
| 5962-9669107HYC                         | WMS128K8-35C                        | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |
| 5962-9669107HYA                         | WMS128K8-35C                        | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |
| 5962-9669107HTA                         | WMS128K8-35DE                       | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |
| 5962-9669107HUA                         | WMS128K8-35DR                       | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |
| 5962-9669107HZC                         | WMS128K8-35DJ                       | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |
| 5962-9669107HUC                         | WMS128K8-35DR                       | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |
| 5962-9669107HXC                         | WMS128K8-35F                        | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |                          |                 |           |
|---|-------------------------------------|------------|--------------------------|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description | Approved Source | CAGE Code |
| 5962-9669107HZA                         | WMS128K8-35DJ                       | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |
| 5962-9669107HZA                         | MT5C128K8ECJ-35/H                   | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669107HYC                         | MT5C1009DCJ-35/H                    | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669107HZC                         | MT5C128K8ECJ-35/H                   | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669107HYA                         | MT5C1009DCJ-35/H                    | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669107HTC                         | MT5C1009CW-35/H                     | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669107HXA                         | MT5C128K8F-35/H                     | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669107HXC                         | MT5C128K8F-35/H                     | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669107HTA                         | MT5C1009CW-35/H                     | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669108HUA                         | WMS128K8-25DR                       | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |
| 5962-9669108HXC                         | WMS128K8-25F                        | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |
| 5962-9669108HZC                         | WMS128K8-25DJ                       | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |
| 5962-9669108HZA                         | WMS128K8-25DJ                       | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |
| 5962-9669108HTA                         | WMS128K8-25DE                       | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |
| 5962-9669108HTC                         | WMS128K8-25DE                       | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |
| 5962-9669108HYC                         | WMS128K8-25C                        | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |
| 5962-9669108HUC                         | WMS128K8-25DR                       | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |
| 5962-9669108HYA                         | WMS128K8-25C                        | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |
| 5962-9669108HZC                         | MT5C128K8ECJ-25/H                   | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669108HTC                         | MT5C1009CW-25/H                     | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669108HTA                         | MT5C1009CW-25/H                     | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669108HZA                         | MT5C128K8ECJ-25/H                   | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669108HXC                         | MT5C128K8F-25/H                     | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669108HYC                         | MT5C1009DCJ-25/H                    | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669108HYA                         | MT5C1009DCJ-25/H                    | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669108HXA                         | MT5C128K8F-25/H                     | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669109HZC                         | WMS128K8-20DJ                       | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |
| 5962-9669109HXC                         | WMS128K8-20F                        | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |
| 5962-9669109HYA                         | WMS128K8-20C                        | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |
| 5962-9669109HYC                         | WMS128K8-20C                        | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |
| 5962-9669109HTA                         | WMS128K8-20DE                       | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |
| 5962-9669109HZA                         | WMS128K8-20DJ                       | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |
| 5962-9669109HUA                         | WMS128K8-20DR                       | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |
| 5962-9669109HUC                         | WMS128K8-20DR                       | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |
| 5962-9669109HTC                         | WMS128K8-20DE                       | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |
| 5962-9669109HTA                         | MT5C1009CW-20/H                     | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669109HZA                         | MT5C128K8ECJ-20/H                   | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669109HYC                         | MT5C1009DCJ-20/H                    | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669109HZC                         | MT5C128K8ECJ-20/H                   | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669109HYA                         | MT5C1009DCJ-20/H                    | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669109HTC                         | MT5C1009CW-20/H                     | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669109HXC                         | MT5C128K8F-20/H                     | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669109HXA                         | MT5C128K8F-20/H                     | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669110HYC                         | WMS128K8-17C                        | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |
| 5962-9669110HUC                         | WMS128K8-17DR                       | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |
| 5962-9669110HYA                         | WMS128K8-17C                        | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |
| 5962-9669110HTA                         | WMS128K8-17DE                       | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |                          |                 |           |
|---|-------------------------------------|------------|--------------------------|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description | Approved Source | CAGE Code |
| 5962-9669110HTC                         | WMS128K8-17DE                       | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |
| 5962-9669110HZA                         | WMS128K8-17DJ                       | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |
| 5962-9669110HUA                         | WMS128K8-17DR                       | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |
| 5962-9669110HXC                         | WMS128K8-17F                        | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |
| 5962-9669110HZC                         | WMS128K8-17DJ                       | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |
| 5962-9669110HXC                         | MT5C128K8F-17/H                     | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669110HYA                         | MT5C1009DCJ-17/H                    | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669110HYC                         | MT5C1009DCJ-17/H                    | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669110HTA                         | MT5C1009CW-17/H                     | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669110HZC                         | MT5C128K8ECJ-17/H                   | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669110HZA                         | MT5C128K8ECJ-17/H                   | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669110HXA                         | MT5C128K8F-17/H                     | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669110HTC                         | MT5C1009CW-17/H                     | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669111HXC                         | WMS128K8-15F                        | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |
| 5962-9669111HUA                         | WMS128K8-15DR                       | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |
| 5962-9669111HYA                         | WMS128K8-15C                        | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |
| 5962-9669111HZA                         | WMS128K8-15DJ                       | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |
| 5962-9669111HTC                         | WMS128K8-15DE                       | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |
| 5962-9669111HTA                         | WMS128K8-15DE                       | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |
| 5962-9669111HZC                         | WMS128K8-15DJ                       | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |
| 5962-9669111HYC                         | WMS128K8-15C                        | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |
| 5962-9669111HUC                         | WMS128K8-15DR                       | 1          | 128K X 8-BIT STATIC RAM  | White           | 54230     |
| 5962-9669112HTC                         | MT5C1009CW-55L/H                    | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669112HXC                         | MT5C128K8F-55L/H                    | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669112HTA                         | MT5C1009CW-55L/H                    | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669112HYA                         | MT5C1009DCJ-55L/H                   | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669112HYC                         | MT5C1009DCJ-55L/H                   | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669112HZC                         | MT5C128K8ECJ-55L/H                  | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669112HXA                         | MT5C128K8F-55L/H                    | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669112HZA                         | MT5C128K8ECJ-55L/H                  | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669113HYA                         | MT5C1009DCJ-45L/H                   | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669113HXC                         | MT5C128K8F-45L/H                    | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669113HYC                         | MT5C1009DCJ-45L/H                   | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669113HXA                         | MT5C128K8F-45L/H                    | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669113HZC                         | MT5C128K8ECJ-45L/H                  | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669113HTC                         | MT5C1009CW-45L/H                    | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669113HZA                         | MT5C128K8ECJ-45L/H                  | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669113HTA                         | MT5C1009CW-45L/H                    | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669114HXA                         | MT5C128K8F-35L/H                    | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669114HZC                         | MT5C128K8ECJ-35L/H                  | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669114HZA                         | MT5C128K8ECJ-35L/H                  | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669114HYA                         | MT5C1009DCJ-35L/H                   | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669114HTC                         | MT5C1009CW-35L/H                    | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669114HTA                         | MT5C1009CW-35L/H                    | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669114HYC                         | MT5C1009DCJ-35L/H                   | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669114HXC                         | MT5C128K8F-35L/H                    | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669115HTA                         | MT5C1009CW-25L/H                    | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description   | Approved Source | CAGE Code |
| 5962-9669115HTC                         | MT5C1009CW-25L/H                    | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669115HYC                         | MT5C1009DCJ-25L/H                   | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669115HXC                         | MT5C128K8F-25L/H                    | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669115HZA                         | MT5C128K8ECJ-25L/H                  | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669115HYA                         | MT5C1009DCJ-25L/H                   | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669115HXA                         | MT5C128K8F-25L/H                    | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669115HZC                         | MT5C128K8ECJ-25L/H                  | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669116HYA                         | MT5C1009DCJ-20L/H                   | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669116HTA                         | MT5C1009CW-20L/H                    | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669116HTC                         | MT5C1009CW-20L/H                    | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669116HZC                         | MT5C128K8ECJ-20L/H                  | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669116HZA                         | MT5C128K8ECJ-20L/H                  | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669116HXC                         | MT5C1009DCJ-20L/H                   | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669116HXA                         | MT5C128K8F-20L/H                    | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669116HYC                         | MT5C1009DCJ-20L/H                   | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669117HYA                         | MT5C1009DCJ-17L/H                   | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669117HZA                         | MT5C128K8ECJ-17L/H                  | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669117HTA                         | MT5C1009CW-17L/H                    | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669117HXC                         | MT5C128K8F-17L/H                    | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669117HXA                         | MT5C128K8F-17L/H                    | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669117HZA                         | MT5C128K8ECJ-17L/H                  | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669117HTC                         | MT5C1009CW-17L/H                    | 1          | 128K X 8-BIT STATIC RAM  | Micross Comp,   | 0EU86     |
| 5962-9669201HUA                         | ACT-F512K8N-150F6Q                  | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 150 NS ACCESS TIME (MONOLITHIC) | Aeroflex        | 88379     |
| 5962-9669201HYA                         | WMF512K8-150DEQ5                    | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 150 NS ACCESS TIME (MONOLITHIC) | White           | 54230     |
| 5962-9669201HXC                         | WMF512K8-150CQ5                     | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 150 NS ACCESS TIME (MONOLITHIC) | White           | 54230     |
| 5962-9669201HXA                         | WMF512K8-150CQ5                     | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 150 NS ACCESS TIME (MONOLITHIC) | White           | 54230     |
| 5962-9669201HUA                         | WMF512K8-150FEQ5                    | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 150 NS ACCESS TIME (MONOLITHIC) | White           | 54230     |
| 5962-9669201HXC                         | ACT-F512K8N-150P4Q                  | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 150 NS ACCESS TIME (MONOLITHIC) | Aeroflex        | 88379     |
| 5962-9669201HXA                         | ACT-F512K8N-150P4Q                  | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 150 NS ACCESS TIME (MONOLITHIC) | Aeroflex        | 88379     |
| 5962-9669201HTC                         | ACT-F512K8N-150F7Q                  | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 150 NS ACCESS TIME (MONOLITHIC) | Aeroflex        | 88379     |
| 5962-9669201HTA                         | ACT-F512K8N-150F7Q                  | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 150 NS ACCESS TIME (MONOLITHIC) | Aeroflex        | 88379     |
| 5962-9669201HYC                         | WMF512K8-150DEQ5                    | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 150 NS ACCESS TIME (MONOLITHIC) | White           | 54230     |
| 5962-9669201HUC                         | ACT-F512K8N-150F6Q                  | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 150 NS ACCESS TIME (MONOLITHIC) | Aeroflex        | 88379     |
| 5962-9669201HUC                         | WMF512K8-150FEQ5                    | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 150 NS ACCESS TIME (MONOLITHIC) | White           | 54230     |
| 5962-9669201HTA                         | WMF512K8-150FFQ5                    | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 150 NS ACCESS TIME (MONOLITHIC) | White           | 54230     |
| 5962-9669201HTC                         | WMF512K8-150FFQ5                    | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 150 NS ACCESS TIME (MONOLITHIC) | White           | 54230     |



Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description   | Approved Source | CAGE Code |
| 5962-9669201HTC                         | AS29F040DCG-150/Q                   | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 150 NS ACCESS TIME (MONOLITHIC) | Micros Comp,    | 0EU86     |
| 5962-9669201HXA                         | AS29F040CW-150/Q                    | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 150 NS ACCESS TIME (MONOLITHIC) | Micros Comp,    | 0EU86     |
| 5962-9669201HXC                         | AS29F040CW-150/Q                    | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 150 NS ACCESS TIME (MONOLITHIC) | Micros Comp,    | 0EU86     |
| 5962-9669201HUA                         | AS29F040F-150/Q                     | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 150 NS ACCESS TIME (MONOLITHIC) | Micros Comp,    | 0EU86     |
| 5962-9669201HZC                         | AS29F040ECA-150/Q                   | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 150 NS ACCESS TIME (MONOLITHIC) | Micros Comp,    | 0EU86     |
| 5962-9669201HZA                         | AS29F040ECA-150/Q                   | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 150 NS ACCESS TIME (MONOLITHIC) | Micros Comp,    | 0EU86     |
| 5962-9669201HTA                         | AS29F040DCG-150/Q                   | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 150 NS ACCESS TIME (MONOLITHIC) | Micros Comp,    | 0EU86     |
| 5962-9669201HUC                         | AS29F040F-150/Q                     | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 150 NS ACCESS TIME (MONOLITHIC) | Micros Comp,    | 0EU86     |
| 5962-9669202HUC                         | ACT-F512K8N-120F6Q                  | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 120 NS ACCESS TIME (MONOLITHIC) | Aeroflex        | 88379     |
| 5962-9669202HXA                         | ACT-F512K8N-120P4Q                  | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 120 NS ACCESS TIME (MONOLITHIC) | Aeroflex        | 88379     |
| 5962-9669202HTC                         | ACT-F512K8N-120F7Q                  | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 120 NS ACCESS TIME (MONOLITHIC) | Aeroflex        | 88379     |
| 5962-9669202HTA                         | ACT-F512K8N-120F7Q                  | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 120 NS ACCESS TIME (MONOLITHIC) | Aeroflex        | 88379     |
| 5962-9669202HUA                         | ACT-F512K8N-120F6Q                  | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 120 NS ACCESS TIME (MONOLITHIC) | Aeroflex        | 88379     |
| 5962-9669202HXC                         | ACT-F512K8N-120P4Q                  | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 120 NS ACCESS TIME (MONOLITHIC) | Aeroflex        | 88379     |
| 5962-9669202HXA                         | WMF512K8-120CQ5                     | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 120 NS ACCESS TIME (MONOLITHIC) | White           | 54230     |
| 5962-9669202HTA                         | WMF512K8-120FFQ5                    | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 120 NS ACCESS TIME (MONOLITHIC) | White           | 54230     |
| 5962-9669202HUC                         | WMF512K8-120FEQ5                    | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 120 NS ACCESS TIME (MONOLITHIC) | White           | 54230     |
| 5962-9669202HUA                         | WMF512K8-120FEQ5                    | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 120 NS ACCESS TIME (MONOLITHIC) | White           | 54230     |
| 5962-9669202HYC                         | WMF512K8-120DEQ5                    | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 120 NS ACCESS TIME (MONOLITHIC) | White           | 54230     |
| 5962-9669202HYA                         | WMF512K8-120DEQ5                    | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 120 NS ACCESS TIME (MONOLITHIC) | White           | 54230     |
| 5962-9669202HXC                         | WMF512K8-120CQ5                     | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 120 NS ACCESS TIME (MONOLITHIC) | White           | 54230     |
| 5962-9669202HTC                         | WMF512K8-120FFQ5                    | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 120 NS ACCESS TIME (MONOLITHIC) | White           | 54230     |
| 5962-9669202HZC                         | AS29F040ECA-120/Q                   | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 120 NS ACCESS TIME (MONOLITHIC) | Micros Comp,    | 0EU86     |
| 5962-9669202HXA                         | AS29F040CW-120/Q                    | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 120 NS ACCESS TIME (MONOLITHIC) | Micros Comp,    | 0EU86     |
| 5962-9669202HTC                         | AS29F040DCG-120/Q                   | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 120 NS ACCESS TIME (MONOLITHIC) | Micros Comp,    | 0EU86     |
| 5962-9669202HXC                         | AS29F040CW-120/Q                    | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 120 NS ACCESS TIME (MONOLITHIC) | Micros Comp,    | 0EU86     |
| 5962-9669202HUC                         | AS29F040F-120/Q                     | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 120 NS ACCESS TIME (MONOLITHIC) | Micros Comp,    | 0EU86     |

**Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing**

**PRODUCT ELIGIBILITY:** The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

**DLA Land and Maritime - VQ**

**Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH**

**Approved Source Master Product Listing**

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description   | Approved Source | CAGE Code |
| 5962-9669202HUA                         | AS29F040F-120/Q                     | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 120 NS ACCESS TIME (MONOLITHIC) | Micros Comp,    | 0EU86     |
| 5962-9669202HTA                         | AS29F040DCG-120/Q                   | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 120 NS ACCESS TIME (MONOLITHIC) | Micros Comp,    | 0EU86     |
| 5962-9669202HZA                         | AS29F040ECA-120/Q                   | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 120 NS ACCESS TIME (MONOLITHIC) | Micros Comp,    | 0EU86     |
| 5962-9669203HXA                         | WMF512K8-90CQ5                      | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 90 NS ACCESS TIME (MONOLITHIC)  | White           | 54230     |
| 5962-9669203HXA                         | ACT-F512K8N-090P4Q                  | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 90 NS ACCESS TIME (MONOLITHIC)  | Aeroflex        | 88379     |
| 5962-9669203HTA                         | ACT-F512K8N-090F7Q                  | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 90 NS ACCESS TIME (MONOLITHIC)  | Aeroflex        | 88379     |
| 5962-9669203HXC                         | ACT-F512K8N-090P4Q                  | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 90 NS ACCESS TIME (MONOLITHIC)  | Aeroflex        | 88379     |
| 5962-9669203HUA                         | ACT-F512K8N-090F6Q                  | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 90 NS ACCESS TIME (MONOLITHIC)  | Aeroflex        | 88379     |
| 5962-9669203HXC                         | WMF512K8-90CQ5                      | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 90 NS ACCESS TIME (MONOLITHIC)  | White           | 54230     |
| 5962-9669203HUA                         | WMF512K8-90FEQ5                     | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 90 NS ACCESS TIME (MONOLITHIC)  | White           | 54230     |
| 5962-9669203HTC                         | ACT-F512K8N-090F7Q                  | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 90 NS ACCESS TIME (MONOLITHIC)  | Aeroflex        | 88379     |
| 5962-9669203HUC                         | WMF512K8-90FEQ5                     | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 90 NS ACCESS TIME (MONOLITHIC)  | White           | 54230     |
| 5962-9669203HYC                         | WMF512K8-90DEQ5                     | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 90 NS ACCESS TIME (MONOLITHIC)  | White           | 54230     |
| 5962-9669203HTC                         | WMF512K8-90FFQ5                     | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 90 NS ACCESS TIME (MONOLITHIC)  | White           | 54230     |
| 5962-9669203HTA                         | WMF512K8-90FFQ5                     | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 90 NS ACCESS TIME (MONOLITHIC)  | White           | 54230     |
| 5962-9669203HUC                         | ACT-F512K8N-090F6Q                  | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 90 NS ACCESS TIME (MONOLITHIC)  | Aeroflex        | 88379     |
| 5962-9669203HYA                         | WMF512K8-90DEQ5                     | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 90 NS ACCESS TIME (MONOLITHIC)  | White           | 54230     |
| 5962-9669203HTA                         | AS29F040DCG-90/Q                    | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 90 NS ACCESS TIME (MONOLITHIC)  | Micros Comp,    | 0EU86     |
| 5962-9669203HXC                         | AS29F040CW-90/Q                     | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 90 NS ACCESS TIME (MONOLITHIC)  | Micros Comp,    | 0EU86     |
| 5962-9669203HTC                         | AS29F040DCG-90/Q                    | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 90 NS ACCESS TIME (MONOLITHIC)  | Micros Comp,    | 0EU86     |
| 5962-9669203HUC                         | AS29F040F-90/Q                      | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 90 NS ACCESS TIME (MONOLITHIC)  | Micros Comp,    | 0EU86     |
| 5962-9669203HZA                         | AS29F040ECA-90/Q                    | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 90 NS ACCESS TIME (MONOLITHIC)  | Micros Comp,    | 0EU86     |
| 5962-9669203HZC                         | AS29F040ECA-90/Q                    | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 90 NS ACCESS TIME (MONOLITHIC)  | Micros Comp,    | 0EU86     |
| 5962-9669203HUA                         | AS29F040F-90/Q                      | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 90 NS ACCESS TIME (MONOLITHIC)  | Micros Comp,    | 0EU86     |
| 5962-9669203HXA                         | AS29F040CW-90/Q                     | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 90 NS ACCESS TIME (MONOLITHIC)  | Micros Comp,    | 0EU86     |
| 5962-9669204HXA                         | ACT-F512K8N-070P4Q                  | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 70 NS ACCESS TIME (MONOLITHIC)  | Aeroflex        | 88379     |
| 5962-9669204HXA                         | WMF512K8-70CQ5                      | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 70 NS ACCESS TIME (MONOLITHIC)  | White           | 54230     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |   |                 |           |
|---|-------------------------------------|------------|---|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description  | Approved Source | CAGE Code |
| 5962-9669204HXC                         | WMF512K8-70CQ5                      | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 70 NS ACCESS TIME (MONOLITHIC) | White           | 54230     |
| 5962-9669204HTA                         | WMF512K8-70FFQ5                     | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 70 NS ACCESS TIME (MONOLITHIC) | White           | 54230     |
| 5962-9669204HUC                         | WMF512K8-70FEQ5                     | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 70 NS ACCESS TIME (MONOLITHIC) | White           | 54230     |
| 5962-9669204HUC                         | ACT-F512K8N-070F6Q                  | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 70 NS ACCESS TIME (MONOLITHIC) | Aeroflex        | 88379     |
| 5962-9669204HTC                         | ACT-F512K8N-070F7Q                  | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 70 NS ACCESS TIME (MONOLITHIC) | Aeroflex        | 88379     |
| 5962-9669204HUA                         | ACT-F512K8N-070F6Q                  | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 70 NS ACCESS TIME (MONOLITHIC) | Aeroflex        | 88379     |
| 5962-9669204HXC                         | ACT-F512K8N-070P4Q                  | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 70 NS ACCESS TIME (MONOLITHIC) | Aeroflex        | 88379     |
| 5962-9669204HUA                         | WMF512K8-70FEQ5                     | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 70 NS ACCESS TIME (MONOLITHIC) | White           | 54230     |
| 5962-9669204HYC                         | WMF512K8-70DEQ5                     | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 70 NS ACCESS TIME (MONOLITHIC) | White           | 54230     |
| 5962-9669204HYA                         | WMF512K8-70DEQ5                     | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 70 NS ACCESS TIME (MONOLITHIC) | White           | 54230     |
| 5962-9669204HTC                         | WMF512K8-70FFQ5                     | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 70 NS ACCESS TIME (MONOLITHIC) | White           | 54230     |
| 5962-9669204HTA                         | ACT-F512K8N-070F7Q                  | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 70 NS ACCESS TIME (MONOLITHIC) | Aeroflex        | 88379     |
| 5962-9669204HUA                         | AS29F040F-70/Q                      | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 70 NS ACCESS TIME (MONOLITHIC) | Micros Comp,    | 0EU86     |
| 5962-9669204HXC                         | AS29F040CW-70/Q                     | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 70 NS ACCESS TIME (MONOLITHIC) | Micros Comp,    | 0EU86     |
| 5962-9669204HZC                         | AS29F040ECA-70/Q                    | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 70 NS ACCESS TIME (MONOLITHIC) | Micros Comp,    | 0EU86     |
| 5962-9669204HTC                         | AS29F040DCG-70/Q                    | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 70 NS ACCESS TIME (MONOLITHIC) | Micros Comp,    | 0EU86     |
| 5962-9669204HZA                         | AS29F040ECA-70/Q                    | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 70 NS ACCESS TIME (MONOLITHIC) | Micros Comp,    | 0EU86     |
| 5962-9669204HUC                         | AS29F040F-70/Q                      | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 70 NS ACCESS TIME (MONOLITHIC) | Micros Comp,    | 0EU86     |
| 5962-9669204HXA                         | AS29F040CW-70/Q                     | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 70 NS ACCESS TIME (MONOLITHIC) | Micros Comp,    | 0EU86     |
| 5962-9669204HTA                         | AS29F040DCG-70/Q                    | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 70 NS ACCESS TIME (MONOLITHIC) | Micros Comp,    | 0EU86     |
| 5962-9669205HTC                         | WMF512K8-60FFQ5                     | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 60 NS ACCESS TIME (MONOLITHIC) | White           | 54230     |
| 5962-9669205HTA                         | WMF512K8-60FFQ5                     | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 60 NS ACCESS TIME (MONOLITHIC) | White           | 54230     |
| 5962-9669205HUC                         | WMF512K8-60FEQ5                     | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 60 NS ACCESS TIME (MONOLITHIC) | White           | 54230     |
| 5962-9669205HUA                         | WMF512K8-60FEQ5                     | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 60 NS ACCESS TIME (MONOLITHIC) | White           | 54230     |
| 5962-9669205HYC                         | WMF512K8-60DEQ5                     | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 60 NS ACCESS TIME (MONOLITHIC) | White           | 54230     |
| 5962-9669205HYA                         | WMF512K8-60DEQ5                     | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 60 NS ACCESS TIME (MONOLITHIC) | White           | 54230     |
| 5962-9669205HXC                         | WMF512K8-60CQ5                      | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 60 NS ACCESS TIME (MONOLITHIC) | White           | 54230     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |   |                 |           |
|---|-------------------------------------|------------|---|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description  | Approved Source | CAGE Code |
| 5962-9669205HXA                         | ACT-F512K8N-060P4Q                  | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 60 NS ACCESS TIME (MONOLITHIC) | Aeroflex        | 88379     |
| 5962-9669205HXC                         | ACT-F512K8N-060P4Q                  | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 60 NS ACCESS TIME (MONOLITHIC) | Aeroflex        | 88379     |
| 5962-9669205HXA                         | WMF512K8-60CQ5                      | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 60 NS ACCESS TIME (MONOLITHIC) | White           | 54230     |
| 5962-9669205HZC                         | AS29F040ECA-60/Q                    | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 60 NS ACCESS TIME (MONOLITHIC) | Micross Comp,   | 0EU86     |
| 5962-9669205HZA                         | AS29F040ECA-60/Q                    | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 60 NS ACCESS TIME (MONOLITHIC) | Micross Comp,   | 0EU86     |
| 5962-9669206HZA                         | AS29F040ECA-55/Q                    | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 55 NS ACCESS TIME (MONOLITHIC) | Micross Comp,   | 0EU86     |
| 5962-9669206HUA                         | AS29F040F-55/Q                      | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 55 NS ACCESS TIME (MONOLITHIC) | Micross Comp,   | 0EU86     |
| 5962-9669206HZC                         | AS29F040ECA-55/Q                    | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 55 NS ACCESS TIME (MONOLITHIC) | Micross Comp,   | 0EU86     |
| 5962-9669206HTA                         | AS29F040DCG-55/Q                    | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 55 NS ACCESS TIME (MONOLITHIC) | Micross Comp,   | 0EU86     |
| 5962-9669206HUC                         | AS29F040F-55/Q                      | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 55 NS ACCESS TIME (MONOLITHIC) | Micross Comp,   | 0EU86     |
| 5962-9669206HXC                         | AS29F040CW-55/Q                     | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 55 NS ACCESS TIME (MONOLITHIC) | Micross Comp,   | 0EU86     |
| 5962-9669206HXA                         | AS29F040CW-55/Q                     | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 55 NS ACCESS TIME (MONOLITHIC) | Micross Comp,   | 0EU86     |
| 5962-9669206HTC                         | AS29F040DCG-55/Q                    | 1          | PROM, ELECTR. ERASABLE, FLASH, 512K X 8, 55 NS ACCESS TIME (MONOLITHIC) | Micross Comp,   | 0EU86     |
| 5962-9673001HZC                         | MHV28512TF/883                      | 1          | HYBRID, DC/DC CONVERTER, TRIPLE CHANNEL, +5 V AND +/-12V                | Crane           | 50821     |
| 5962-9673001HZA                         | MHV28512TF/883                      | 1          | HYBRID, DC/DC CONVERTER, TRIPLE CHANNEL, +5 V AND +/-12V                | Crane           | 50821     |
| 5962-9673001HXC                         | MHV28512T/883                       | 1          | HYBRID, DC/DC CONVERTER, TRIPLE CHANNEL, +5 V AND +/-12V                | Crane           | 50821     |
| 5962-9673001HXA                         | MHV28512T/883                       | 1          | HYBRID, DC/DC CONVERTER, TRIPLE CHANNEL, +5 V AND +/-12V                | Crane           | 50821     |
| 5962-9673101HXC                         | MHV28515T/883                       | 1          | HYBRID, DC/DC CONVERTER, TRIPLE CHANNEL, +5 V AND +/-15V                | Crane           | 50821     |
| 5962-9673101HZC                         | MHV28515TF/883                      | 1          | HYBRID, DC/DC CONVERTER, TRIPLE CHANNEL, +5 V AND +/-15V                | Crane           | 50821     |
| 5962-9673101HXA                         | MHV28515T/883                       | 1          | HYBRID, DC/DC CONVERTER, TRIPLE CHANNEL, +5 V AND +/-15V                | Crane           | 50821     |
| 5962-9673101HZA                         | MHV28515TF/883                      | 1          | HYBRID, DC/DC CONVERTER, TRIPLE CHANNEL, +5 V AND +/-15V                | Crane           | 50821     |
| 5962-9673501HXC                         | RD-14591D1-112                      | 1          | RESOLVER-TO-DIGITAL CONVERTER, 14-BIT                                   | DDC             | 19645     |
| 5962-9673501HYA                         | RD-14591F1-142                      | 1          | RESOLVER-TO-DIGITAL CONVERTER, 14-BIT                                   | DDC             | 19645     |
| 5962-9673501HXA                         | RD-14591D1-142                      | 1          | RESOLVER-TO-DIGITAL CONVERTER, 14-BIT                                   | DDC             | 19645     |
| 5962-9673501HYC                         | RD-14591F1-112                      | 1          | RESOLVER-TO-DIGITAL CONVERTER, 14-BIT                                   | DDC             | 19645     |
| 5962-9673502HXC                         | RD-14591D1-114                      | 1          | RESOLVER-TO-DIGITAL CONVERTER, 14-BIT                                   | DDC             | 19645     |
| 5962-9673502HXA                         | RD-14591D1-144                      | 1          | RESOLVER-TO-DIGITAL CONVERTER, 14-BIT                                   | DDC             | 19645     |
| 5962-9673502HYA                         | RD-14591F1-144                      | 1          | RESOLVER-TO-DIGITAL CONVERTER, 14-BIT                                   | DDC             | 19645     |
| 5962-9673502HYC                         | RD-14591F1-114                      | 1          | RESOLVER-TO-DIGITAL CONVERTER, 14-BIT                                   | DDC             | 19645     |
| 5962-9673503HXC                         | SD-14591D1-112                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 14-BIT                                    | DDC             | 19645     |
| 5962-9673503HXA                         | SD-14591D1-142                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 14-BIT                                    | DDC             | 19645     |
| 5962-9673503HYC                         | SD-14591F1-112                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 14-BIT                                    | DDC             | 19645     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |   |                 |           |
|---|-------------------------------------|------------|---|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                                      | Approved Source | CAGE Code |
| 5962-9673503HYA                         | SD-14591F1-142                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 14-BIT                          | DDC             | 19645     |
| 5962-9673504HYA                         | SD-14591F1-144                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 14-BIT                          | DDC             | 19645     |
| 5962-9673504HXC                         | SD-14591D1-114                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 14-BIT                          | DDC             | 19645     |
| 5962-9673504HXA                         | SD-14591D1-144                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 14-BIT                          | DDC             | 19645     |
| 5962-9673504HYC                         | SD-14591F1-114                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 14-BIT                          | DDC             | 19645     |
| 5962-9673505HXA                         | RD-14592D1-142                      | 1          | RESOLVER-TO-DIGITAL CONVERTER, 16-BIT                         | DDC             | 19645     |
| 5962-9673505HXC                         | RD-14592D1-112                      | 1          | RESOLVER-TO-DIGITAL CONVERTER, 16-BIT                         | DDC             | 19645     |
| 5962-9673505HYA                         | RD-14592F1-142                      | 1          | RESOLVER-TO-DIGITAL CONVERTER, 16-BIT                         | DDC             | 19645     |
| 5962-9673505HYC                         | RD-14592F1-112                      | 1          | RESOLVER-TO-DIGITAL CONVERTER, 16-BIT                         | DDC             | 19645     |
| 5962-9673506HYA                         | RD-14592F1-144                      | 1          | RESOLVER-TO-DIGITAL CONVERTER, 16-BIT                         | DDC             | 19645     |
| 5962-9673506HXC                         | RD-14592D1-114                      | 1          | RESOLVER-TO-DIGITAL CONVERTER, 16-BIT                         | DDC             | 19645     |
| 5962-9673506HXA                         | RD-14592D1-144                      | 1          | RESOLVER-TO-DIGITAL CONVERTER, 16-BIT                         | DDC             | 19645     |
| 5962-9673506HYC                         | RD-14592F1-114                      | 1          | RESOLVER-TO-DIGITAL CONVERTER, 16-BIT                         | DDC             | 19645     |
| 5962-9673507HXC                         | RD-14592D1-115                      | 1          | RESOLVER-TO-DIGITAL CONVERTER, 16-BIT                         | DDC             | 19645     |
| 5962-9673507HYC                         | RD-14592F1-115                      | 1          | RESOLVER-TO-DIGITAL CONVERTER, 16-BIT                         | DDC             | 19645     |
| 5962-9673507HYA                         | RD-14592F1-145                      | 1          | RESOLVER-TO-DIGITAL CONVERTER, 16-BIT                         | DDC             | 19645     |
| 5962-9673507HXA                         | RD-14592D1-145                      | 1          | RESOLVER-TO-DIGITAL CONVERTER, 16-BIT                         | DDC             | 19645     |
| 5962-9673508HYC                         | SD-14592F1-112                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 16-BIT                          | DDC             | 19645     |
| 5962-9673508HYA                         | SD-14592F1-142                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 16-BIT                          | DDC             | 19645     |
| 5962-9673508HXC                         | SD-14592D1-112                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 16-BIT                          | DDC             | 19645     |
| 5962-9673508HXA                         | SD-14592D1-142                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 16-BIT                          | DDC             | 19645     |
| 5962-9673509HXA                         | SD-14592D1-144                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 16-BIT                          | DDC             | 19645     |
| 5962-9673509HXC                         | SD-14592D1-114                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 16-BIT                          | DDC             | 19645     |
| 5962-9673509HYA                         | SD-14592F1-144                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 16-BIT                          | DDC             | 19645     |
| 5962-9673509HYC                         | SD-14592F1-114                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 16-BIT                          | DDC             | 19645     |
| 5962-9673510HXA                         | SD-14592D1-145                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 16-BIT                          | DDC             | 19645     |
| 5962-9673510HYC                         | SD-14592F1-115                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 16-BIT                          | DDC             | 19645     |
| 5962-9673510HXC                         | SD-14592D1-115                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 16-BIT                          | DDC             | 19645     |
| 5962-9673510HYA                         | SD-14592F1-145                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 16-BIT                          | DDC             | 19645     |
| 5962-9674101H3A                         | ACT4455                             | 1          | TRANSCEIVER, MIL-STD-1553, +5 V, SINGLE CHANNEL, STANDBY LOW  | Aeroflex        | 88379     |
| 5962-9674101H3C                         | ACT4455                             | 1          | TRANSCEIVER, MIL-STD-1553, +5 V, SINGLE CHANNEL, STANDBY LOW  | Aeroflex        | 88379     |
| 5962-9674102H3C                         | ACT4459                             | 1          | TRANSCEIVER, MIL-STD-1553, +5 V, SINGLE CHANNEL, STANDBY HIGH | Aeroflex        | 88379     |
| 5962-9674102H3A                         | ACT4459                             | 1          | TRANSCEIVER, MIL-STD-1553, +5 V, SINGLE CHANNEL, STANDBY HIGH | Aeroflex        | 88379     |
| 5962-9679601HXC                         | WME128K8-300DEQ                     | 1          | PROM, ELECTR. ERASABLE, 128K X 8                              | White           | 54230     |
| 5962-9679601HYA                         | WME128K8-300CQ                      | 1          | PROM, ELECTR. ERASABLE, 128K X 8                              | White           | 54230     |
| 5962-9679601HYC                         | WME128K8-300CQ                      | 1          | PROM, ELECTR. ERASABLE, 128K X 8                              | White           | 54230     |
| 5962-9679601HXA                         | WME128K8-300DEQ                     | 1          | PROM, ELECTR. ERASABLE, 128K X 8                              | White           | 54230     |
| 5962-9679602HYA                         | WME128K8-250CQ                      | 1          | PROM, ELECTR. ERASABLE, 128K X 8                              | White           | 54230     |
| 5962-9679602HYC                         | WME128K8-250CQ                      | 1          | PROM, ELECTR. ERASABLE, 128K X 8                              | White           | 54230     |
| 5962-9679602HXA                         | WME128K8-250DEQ                     | 1          | PROM, ELECTR. ERASABLE, 128K X 8                              | White           | 54230     |
| 5962-9679602HXC                         | WME128K8-250DEQ                     | 1          | PROM, ELECTR. ERASABLE, 128K X 8                              | White           | 54230     |
| 5962-9679603HXC                         | WME128K8-200DEQ                     | 1          | PROM, ELECTR. ERASABLE, 128K X 8                              | White           | 54230     |
| 5962-9679603HYA                         | WME128K8-200CQ                      | 1          | PROM, ELECTR. ERASABLE, 128K X 8                              | White           | 54230     |
| 5962-9679603HYC                         | WME128K8-200CQ                      | 1          | PROM, ELECTR. ERASABLE, 128K X 8                              | White           | 54230     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |                                      |                 |           |
|---|-------------------------------------|------------|--------------------------------------|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description             | Approved Source | CAGE Code |
| 5962-9679603HXA                         | WME128K8-200DEQ                     | 1          | PROM, ELECTR. ERASABLE, 128K X 8     | White           | 54230     |
| 5962-9679604HXA                         | WME128K8-150DEQ                     | 1          | PROM, ELECTR. ERASABLE, 128K X 8     | White           | 54230     |
| 5962-9679604HYC                         | WME128K8-150CQ                      | 1          | PROM, ELECTR. ERASABLE, 128K X 8     | White           | 54230     |
| 5962-9679604HYA                         | WME128K8-150CQ                      | 1          | PROM, ELECTR. ERASABLE, 128K X 8     | White           | 54230     |
| 5962-9679604HXC                         | WME128K8-150DEQ                     | 1          | PROM, ELECTR. ERASABLE, 128K X 8     | White           | 54230     |
| 5962-9679605HXC                         | WME128K8-140DEQ                     | 1          | PROM, ELECTR. ERASABLE, 128K X 8     | White           | 54230     |
| 5962-9679605HXA                         | WME128K8-140DEQ                     | 1          | PROM, ELECTR. ERASABLE, 128K X 8     | White           | 54230     |
| 5962-9679605HYC                         | WME128K8-140CQ                      | 1          | PROM, ELECTR. ERASABLE, 128K X 8     | White           | 54230     |
| 5962-9679605HYA                         | WME128K8-140CQ                      | 1          | PROM, ELECTR. ERASABLE, 128K X 8     | White           | 54230     |
| 5962-9679606HYA                         | WME128K8-120CQ                      | 1          | PROM, ELECTR. ERASABLE, 128K X 8     | White           | 54230     |
| 5962-9679606HYC                         | WME128K8-120CQ                      | 1          | PROM, ELECTR. ERASABLE, 128K X 8     | White           | 54230     |
| 5962-9679606HXA                         | WME128K8-120DEQ                     | 1          | PROM, ELECTR. ERASABLE, 128K X 8     | White           | 54230     |
| 5962-9679606HXC                         | WME128K8-120DEQ                     | 1          | PROM, ELECTR. ERASABLE, 128K X 8     | White           | 54230     |
| 5962-9682801H2C                         | MSK1343B                            | 1          | OSCILLATOR, VOLTAGE-CONTROLLED       | MSK             | 51651     |
| 5962-9684401HXC                         | SD-14591D2-112                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 14-BIT | DDC             | 19645     |
| 5962-9684401HXA                         | SD-14591D2-142                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 14-BIT | DDC             | 19645     |
| 5962-9684401HYC                         | SD-14591F2-112                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 14-BIT | DDC             | 19645     |
| 5962-9684401HYA                         | SD-14591F2-142                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 14-BIT | DDC             | 19645     |
| 5962-9684402HXC                         | SD-14591D2-114                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 14-BIT | DDC             | 19645     |
| 5962-9684402HXA                         | SD-14591D2-144                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 14-BIT | DDC             | 19645     |
| 5962-9684402HYA                         | SD-14591F2-144                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 14-BIT | DDC             | 19645     |
| 5962-9684402HYC                         | SD-14591F2-114                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 14-BIT | DDC             | 19645     |
| 5962-9684403HXC                         | SD-14591D3-112                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 14-BIT | DDC             | 19645     |
| 5962-9684403HXA                         | SD-14591D3-142                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 14-BIT | DDC             | 19645     |
| 5962-9684403HYC                         | SD-14591F3-112                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 14-BIT | DDC             | 19645     |
| 5962-9684403HYA                         | SD-14591F3-142                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 14-BIT | DDC             | 19645     |
| 5962-9684404HXA                         | SD-14591D3-144                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 14-BIT | DDC             | 19645     |
| 5962-9684404HYC                         | SD-14591F3-114                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 14-BIT | DDC             | 19645     |
| 5962-9684404HYA                         | SD-14591F3-144                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 14-BIT | DDC             | 19645     |
| 5962-9684404HXC                         | SD-14591D3-114                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 14-BIT | DDC             | 19645     |
| 5962-9684405HXC                         | SD-14592D2-112                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 16-BIT | DDC             | 19645     |
| 5962-9684405HYA                         | SD-14592F2-142                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 16-BIT | DDC             | 19645     |
| 5962-9684405HYC                         | SD-14592F2-112                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 16-BIT | DDC             | 19645     |
| 5962-9684405HXA                         | SD-14592D2-142                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 16-BIT | DDC             | 19645     |
| 5962-9684406HXA                         | SD-14592D2-144                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 16-BIT | DDC             | 19645     |
| 5962-9684406HYA                         | SD-14592F2-144                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 16-BIT | DDC             | 19645     |
| 5962-9684406HYC                         | SD-14592F2-114                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 16-BIT | DDC             | 19645     |
| 5962-9684406HXC                         | SD-14592D2-114                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 16-BIT | DDC             | 19645     |
| 5962-9684407HYA                         | SD-14592F2-145                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 16-BIT | DDC             | 19645     |
| 5962-9684407HYC                         | SD-14592F2-115                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 16-BIT | DDC             | 19645     |
| 5962-9684407HXC                         | SD-14592D2-115                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 16-BIT | DDC             | 19645     |
| 5962-9684407HXA                         | SD-14592D2-145                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 16-BIT | DDC             | 19645     |
| 5962-9684408HXA                         | SD-14592D3-142                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 16-BIT | DDC             | 19645     |
| 5962-9684408HYA                         | SD-14592F3-142                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 16-BIT | DDC             | 19645     |
| 5962-9684408HXC                         | SD-14592D3-112                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 16-BIT | DDC             | 19645     |
| 5962-9684408HYC                         | SD-14592F3-112                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 16-BIT | DDC             | 19645     |
| 5962-9684409HYC                         | SD-14592F3-114                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 16-BIT | DDC             | 19645     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |   |                 |           |
|---|-------------------------------------|------------|---|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description  | Approved Source | CAGE Code |
| 5962-9684409HYA                         | SD-14592F3-144                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 16-BIT                                    | DDC             | 19645     |
| 5962-9684409HXC                         | SD-14592D3-114                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 16-BIT                                    | DDC             | 19645     |
| 5962-9684409HXA                         | SD-14592D3-144                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 16-BIT                                    | DDC             | 19645     |
| 5962-9684410HYC                         | SD-14592F3-115                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 16-BIT                                    | DDC             | 19645     |
| 5962-9684410HYA                         | SD-14592F3-145                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 16-BIT                                    | DDC             | 19645     |
| 5962-9684410HXA                         | SD-14592D3-145                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 16-BIT                                    | DDC             | 19645     |
| 5962-9684410HXC                         | SD-14592D3-115                      | 1          | SYNCHRO-TO-DIGITAL CONVERTER, 16-BIT                                    | DDC             | 19645     |
| 5962-9685201KPC                         | HCPL-530K                           | 1          | TRANSISTOR, POWER, OPTICALLY COUPLED                                    | Avago           | 50434     |
| 5962-9685201HYC                         | HCPL-5301#100                       | 1          | TRANSISTOR, POWER, OPTICALLY COUPLED                                    | Avago           | 50434     |
| 5962-9685201HPA                         | HCPL-5301#200                       | 1          | TRANSISTOR, POWER, OPTICALLY COUPLED                                    | Avago           | 50434     |
| 5962-9685201HYA                         | HCPL-5301#100                       | 1          | TRANSISTOR, POWER, OPTICALLY COUPLED                                    | Avago           | 50434     |
| 5962-9685201HXA                         | HCPL-5301#300                       | 1          | TRANSISTOR, POWER, OPTICALLY COUPLED                                    | Avago           | 50434     |
| 5962-9685201KPA                         | HCPL-530K#200                       | 1          | TRANSISTOR, POWER, OPTICALLY COUPLED                                    | Avago           | 50434     |
| 5962-9685201HPC                         | HCPL-5301                           | 1          | TRANSISTOR, POWER, OPTICALLY COUPLED                                    | Avago           | 50434     |
| 5962-9688708KUA                         | BU63825F1-603                       | 1          | MIL-STD-1553, BC/RT/MT, 32K RAM, +5/-15 V TRANSCIEVER                   | DDC             | 19645     |
| 5962-9688708HXC                         | BU63825D1-110                       | 1          | MIL-STD-1553, BC/RT/MT, 32K RAM, +5/-15 V TRANSCIEVER                   | DDC             | 19645     |
| 5962-9688708HZC                         | BU63825G1-110                       | 1          | MIL-STD-1553, BC/RT/MT, 32K RAM, +5/-15 V TRANSCIEVER                   | DDC             | 19645     |
| 5962-9688708HUA                         | BU63825F1-140                       | 1          | MIL-STD-1553, BC/RT/MT, 32K RAM, +5/-15 V TRANSCIEVER                   | DDC             | 19645     |
| 5962-9688708HZA                         | BU63825G1-140                       | 1          | MIL-STD-1553, BC/RT/MT, 32K RAM, +5/-15 V TRANSCIEVER                   | DDC             | 19645     |
| 5962-9688708HXA                         | BU63825D1-140                       | 1          | MIL-STD-1553, BC/RT/MT, 32K RAM, +5/-15 V TRANSCIEVER                   | DDC             | 19645     |
| 5962-9688708HUC                         | BU63825F1-110                       | 1          | MIL-STD-1553, BC/RT/MT, 32K RAM, +5/-15 V TRANSCIEVER                   | DDC             | 19645     |
| 5962-9688708KUC                         | BU63825F1-608                       | 1          | MIL-STD-1553, BC/RT/MT, 32K RAM, +5/-15 V TRANSCIEVER                   | DDC             | 19645     |
| 5962-9688709HUA                         | BU63825F2-140                       | 1          | MIL-STD-1553, BC/RT/MT, 32K RAM, +5/-12 V TRANSCIEVER                   | DDC             | 19645     |
| 5962-9688709HUC                         | BU63825F2-110                       | 1          | MIL-STD-1553, BC/RT/MT, 32K RAM, +5/-12 V TRANSCIEVER                   | DDC             | 19645     |
| 5962-9688709HZA                         | BU63825G2-140                       | 1          | MIL-STD-1553, BC/RT/MT, 32K RAM, +5/-12 V TRANSCIEVER                   | DDC             | 19645     |
| 5962-9688709HXC                         | BU63825D2-110                       | 1          | MIL-STD-1553, BC/RT/MT, 32K RAM, +5/-12 V TRANSCIEVER                   | DDC             | 19645     |
| 5962-9688709HZC                         | BU63825G2-110                       | 1          | MIL-STD-1553, BC/RT/MT, 32K RAM, +5/-12 V TRANSCIEVER                   | DDC             | 19645     |
| 5962-9688709HXA                         | BU63825D2-140                       | 1          | MIL-STD-1553, BC/RT/MT, 32K RAM, +5/-12 V TRANSCIEVER                   | DDC             | 19645     |
| 5962-9688710HXA                         | BU63925D1-140                       | 1          | MIL-STD-1553, BC/RT/MT, 32K RAM, +5/-15 V TRANSCIEVER, RT ADDRESS LATCH | DDC             | 19645     |
| 5962-9688710HZC                         | BU63925G1-110                       | 1          | MIL-STD-1553, BC/RT/MT, 32K RAM, +5/-15 V TRANSCIEVER, RT ADDRESS LATCH | DDC             | 19645     |
| 5962-9688710HXC                         | BU63925D1-110                       | 1          | MIL-STD-1553, BC/RT/MT, 32K RAM, +5/-15 V TRANSCIEVER, RT ADDRESS LATCH | DDC             | 19645     |
| 5962-9688710HZA                         | BU63925G1-140                       | 1          | MIL-STD-1553, BC/RT/MT, 32K RAM, +5/-15 V TRANSCIEVER, RT ADDRESS LATCH | DDC             | 19645     |
| 5962-9688710HUC                         | BU63925F1-110                       | 1          | MIL-STD-1553, BC/RT/MT, 32K RAM, +5/-15 V TRANSCIEVER, RT ADDRESS LATCH | DDC             | 19645     |
| 5962-9688710HUA                         | BU63925F1-140                       | 1          | MIL-STD-1553, BC/RT/MT, 32K RAM, +5/-15 V TRANSCIEVER, RT ADDRESS LATCH | DDC             | 19645     |
| 5962-9688711HZC                         | BU63925G2-110                       | 1          | MIL-STD-1553, BC/RT/MT, 32K RAM, +5/-12 V TRANSCIEVER, RT ADDRESS LATCH | DDC             | 19645     |
| 5962-9688711HUC                         | BU63925F2-110                       | 1          | MIL-STD-1553, BC/RT/MT, 32K RAM, +5/-12 V TRANSCIEVER, RT ADDRESS LATCH | DDC             | 19645     |
| 5962-9688711HXC                         | BU63925D2-110                       | 1          | MIL-STD-1553, BC/RT/MT, 32K RAM, +5/-12 V TRANSCIEVER, RT ADDRESS LATCH | DDC             | 19645     |
| 5962-9688711HUA                         | BU63925F2-140                       | 1          | MIL-STD-1553, BC/RT/MT, 32K RAM, +5/-12 V TRANSCIEVER, RT ADDRESS LATCH | DDC             | 19645     |
| 5962-9688711HXA                         | BU63925D2-140                       | 1          | MIL-STD-1553, BC/RT/MT, 32K RAM, +5/-12 V TRANSCIEVER, RT ADDRESS LATCH | DDC             | 19645     |

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |   |                 |           |
|---|-------------------------------------|------------|---|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description  | Approved Source | CAGE Code |
| 5962-9688711HZA                         | BU63925G2-140                       | 1          | MIL-STD-1553, BC/RT/MT, 32K RAM, +5/-12 V TRANSCIEVER, RT ADDRESS LATCH         | DDC             | 19645     |
| 5962-9688712HXC                         | BU63825D0-110                       | 1          | MIL-STD-1553, BC/RT/MT, 32K RAM, TRANSCIEVERLESS                                | DDC             | 19645     |
| 5962-9688712HZC                         | BU63825G0-110                       | 1          | MIL-STD-1553, BC/RT/MT, 32K RAM, TRANSCIEVERLESS                                | DDC             | 19645     |
| 5962-9688712HZA                         | BU63825G0-140                       | 1          | MIL-STD-1553, BC/RT/MT, 32K RAM, TRANSCIEVERLESS                                | DDC             | 19645     |
| 5962-9688712HUC                         | BU63825F0-110                       | 1          | MIL-STD-1553, BC/RT/MT, 32K RAM, TRANSCIEVERLESS                                | DDC             | 19645     |
| 5962-9688712HUA                         | BU63825F0-140                       | 1          | MIL-STD-1553, BC/RT/MT, 32K RAM, TRANSCIEVERLESS                                | DDC             | 19645     |
| 5962-9688712HXA                         | BU63825D0-140                       | 1          | MIL-STD-1553, BC/RT/MT, 32K RAM, TRANSCIEVERLESS                                | DDC             | 19645     |
| 5962-9688713HUC                         | BU63925F0-110                       | 1          | MIL-STD-1553, BC/RT/MT, 32K RAM, TRANSCIEVERLESS, RT ADDRESS LATCH              | DDC             | 19645     |
| 5962-9688713HUA                         | BU63925F0-140                       | 1          | MIL-STD-1553, BC/RT/MT, 32K RAM, TRANSCIEVERLESS, RT ADDRESS LATCH              | DDC             | 19645     |
| 5962-9688713HXA                         | BU63925D0-140                       | 1          | MIL-STD-1553, BC/RT/MT, 32K RAM, TRANSCIEVERLESS, RT ADDRESS LATCH              | DDC             | 19645     |
| 5962-9688713HZC                         | BU63925G0-110                       | 1          | MIL-STD-1553, BC/RT/MT, 32K RAM, TRANSCIEVERLESS, RT ADDRESS LATCH              | DDC             | 19645     |
| 5962-9688713HXC                         | BU63925D0-110                       | 1          | MIL-STD-1553, BC/RT/MT, 32K RAM, TRANSCIEVERLESS, RT ADDRESS LATCH              | DDC             | 19645     |
| 5962-9688713HZA                         | BU63925G0-140                       | 1          | MIL-STD-1553, BC/RT/MT, 32K RAM, TRANSCIEVERLESS, RT ADDRESS LATCH              | DDC             | 19645     |
| 5962-9689701HXA                         | MSK167B                             | 1          | OP AMP, SINGLE, HIGH VOLTAGE, MOSFET  | MSK             | 51651     |
| 5962-9689701HXC                         | MSK167B                             | 1          | OP AMP, SINGLE, HIGH VOLTAGE, MOSFET  | MSK             | 51651     |
| 5962-9689704HXA                         | MSK167H                             | 1          | OP AMP, SINGLE, HIGH VOLTAGE, MOSFET  | MSK             | 51651     |
| 5962-9689704HXC                         | MSK167H                             | 1          | OP AMP, SINGLE, HIGH VOLTAGE, MOSFET  | MSK             | 51651     |
| 5962-9689801HXA                         | MHF+2828S/883                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 28 VOLT OUTPUT                                 | Crane           | 50821     |
| 5962-9689801HXC                         | MHF+2828S/883                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 28 VOLT OUTPUT                                 | Crane           | 50821     |
| 5962-9689801HZA                         | MHF+2828SF/883                      | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 28 VOLT OUTPUT                                 | Crane           | 50821     |
| 5962-9689801HZC                         | MHF+2828SF/883                      | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 28 VOLT OUTPUT                                 | Crane           | 50821     |
| 5962-9689901HZC                         | AFL2828SZ/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 28 VOLT, HYBRID                                | IR Santa Clara  | 52467     |
| 5962-9689901HZA                         | AFL2828SZ/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 28 VOLT, HYBRID                                | IR Santa Clara  | 52467     |
| 5962-9689901HYC                         | AFL2828SY/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 28 VOLT, HYBRID                                | IR Santa Clara  | 52467     |
| 5962-9689901HYA                         | AFL2828SY/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 28 VOLT, HYBRID                                | IR Santa Clara  | 52467     |
| 5962-9689901HXC                         | AFL2828SX/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 28 VOLT, HYBRID                                | IR Santa Clara  | 52467     |
| 5962-9689901HXA                         | AFL2828SX/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 28 VOLT, HYBRID                                | IR Santa Clara  | 52467     |
| 5962-9689901HUC                         | AFL2828SW/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 28 VOLT, HYBRID                                | IR Santa Clara  | 52467     |
| 5962-9689901HUA                         | AFL2828SW/CH                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 28 VOLT, HYBRID                                | IR Santa Clara  | 52467     |
| 5962-9690001HB                          | WSF128K16-72G1TQA                   | 1          | 128K X 16-BIT, 70 NS SRAM AND 128K X 16-BIT, 120 NS EPROM W/SEPERATE DATA BUSES | White           | 54230     |
| 5962-9690001HXC                         | WSF128K16-72HQ                      | 1          | 128K X 16-BIT, 70 NS SRAM AND 128K X 16-BIT, 120 NS EPROM W/SEPERATE DATA BUSES | White           | 54230     |
| 5962-9690001HYA                         | WSF128K16-72H1QA                    | 1          | 128K X 16-BIT, 70 NS SRAM AND 128K X 16-BIT, 120 NS EPROM W/SEPERATE DATA BUSES | White           | 54230     |
| 5962-9690001HMA                         | WSF128K16-72G2QA                    | 1          | 128K X 16-BIT, 70 NS SRAM AND 128K X 16-BIT, 120 NS EPROM W/SEPERATE DATA BUSES | White           | 54230     |
| 5962-9690001H9A                         | WSF128K16-72G1UQ5                   | 1          | 128K X 16-BIT, 70 NS SRAM AND 128K X 16-BIT, 120 NS EPROM W/SEPERATE DATA BUSES | White           | 54230     |
| 5962-9690001HBC                         | WSF128K16-72G1TQ                    | 1          | 128K X 16-BIT, 70 NS SRAM AND 128K X 16-BIT, 120 NS EPROM W/SEPERATE DATA BUSES | White           | 54230     |
| 5962-9690001HYC                         | WSF128K16-72H1Q                     | 1          | 128K X 16-BIT, 70 NS SRAM AND 128K X 16-BIT, 120 NS EPROM W/SEPERATE DATA BUSES | White           | 54230     |



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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |   |                 |           |
|---|-------------------------------------|------------|---|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description  | Approved Source | CAGE Code |
| 5962-9690001H9C                         | WSF128K16-72G1UQ5                   | 1          | 128K X 16-BIT, 70 NS SRAM AND 128K X 16-BIT, 120 NS EPROM W/SEPERATE DATA BUSES | White           | 54230     |
| 5962-9690001HMC                         | WSF128K16-72G2Q                     | 1          | 128K X 16-BIT, 70 NS SRAM AND 128K X 16-BIT, 120 NS EPROM W/SEPERATE DATA BUSES | White           | 54230     |
| 5962-9690001HXA                         | WSF128K16-72HQA                     | 1          | 128K X 16-BIT, 70 NS SRAM AND 128K X 16-BIT, 120 NS EPROM W/SEPERATE DATA BUSES | White           | 54230     |
| 5962-9690002HMA                         | WSF128K16-37G2QA                    | 1          | 128K X 16-BIT, 35 NS SRAM AND 128K X 16-BIT, 70 NS EPROM W/SEPERATE DATA BUSE   | White           | 54230     |
| 5962-9690002HMC                         | WSF128K16-37G2Q                     | 1          | 128K X 16-BIT, 35 NS SRAM AND 128K X 16-BIT, 70 NS EPROM W/SEPERATE DATA BUSE   | White           | 54230     |
| 5962-9690002H9C                         | WSF128K16-37G1UQ5                   | 1          | 128K X 16-BIT, 35 NS SRAM AND 128K X 16-BIT, 70 NS EPROM W/SEPERATE DATA BUSE   | White           | 54230     |
| 5962-9690002H9A                         | WSF128K16-37G1UQ5                   | 1          | 128K X 16-BIT, 35 NS SRAM AND 128K X 16-BIT, 70 NS EPROM W/SEPERATE DATA BUSE   | White           | 54230     |
| 5962-9690002HBHA                        | WSF128K16-37G1TQA                   | 1          | 128K X 16-BIT, 35 NS SRAM AND 128K X 16-BIT, 70 NS EPROM W/SEPERATE DATA BUSE   | White           | 54230     |
| 5962-9690002HBC                         | WSF128K16-37G1TQ                    | 1          | 128K X 16-BIT, 35 NS SRAM AND 128K X 16-BIT, 70 NS EPROM W/SEPERATE DATA BUSE   | White           | 54230     |
| 5962-9690002HYC                         | WSF128K16-37H1Q                     | 1          | 128K X 16-BIT, 35 NS SRAM AND 128K X 16-BIT, 70 NS EPROM W/SEPERATE DATA BUSE   | White           | 54230     |
| 5962-9690002HYA                         | WSF128K16-37H1QA                    | 1          | 128K X 16-BIT, 35 NS SRAM AND 128K X 16-BIT, 70 NS EPROM W/SEPERATE DATA BUSE   | White           | 54230     |
| 5962-9690002HXA                         | WSF128K16-37HQA                     | 1          | 128K X 16-BIT, 35 NS SRAM AND 128K X 16-BIT, 70 NS EPROM W/SEPERATE DATA BUSE   | White           | 54230     |
| 5962-9690002HXC                         | WSF128K16-37HQ                      | 1          | 128K X 16-BIT, 35 NS SRAM AND 128K X 16-BIT, 70 NS EPROM W/SEPERATE DATA BUSE   | White           | 54230     |
| 5962-9690101HMC                         | WSF512K16-72G2Q                     | 1          | 512K X 16-BIT, 70 NS SRAM   | White           | 54230     |
| 5962-9690101HXA                         | WSF512K16-72H2QA                    | 1          | 512K X 16-BIT, 70 NS SRAM   | White           | 54230     |
| 5962-9690101HXC                         | WSF512K16-72H2Q                     | 1          | 512K X 16-BIT, 70 NS SRAM   | White           | 54230     |
| 5962-9690101HMA                         | WSF512K16-72G2QA                    | 1          | 512K X 16-BIT, 70 NS SRAM   | White           | 54230     |
| 5962-9690102HMC                         | WSF512K16-39G2Q                     | 1          | 512K X 16-BIT, 35 NS SRAM   | White           | 54230     |
| 5962-9690102HMA                         | WSF512K16-39G2QA                    | 1          | 512K X 16-BIT, 35 NS SRAM   | White           | 54230     |
| 5962-9690102HXC                         | WSF512K16-39H2Q                     | 1          | 512K X 16-BIT, 35 NS SRAM   | White           | 54230     |
| 5962-9690102HXA                         | WSF512K16-39H2QA                    | 1          | 512K X 16-BIT, 35 NS SRAM   | White           | 54230     |
| 5962-9755701EYC                         | ACPL-785E-100                       | 1          | OPTICAL COUPLER, SINGLE CHANNEL   | Avago           | 50434     |
| 5962-9755701HYC                         | HCPL-7851#100                       | 1          | OPTICAL COUPLER, SINGLE CHANNEL   | Avago           | 50434     |
| 5962-9755701EPA                         | ACPL-785E-200                       | 1          | OPTICAL COUPLER, SINGLE CHANNEL   | Avago           | 50434     |
| 5962-9755701HPA                         | HCPL-7851#200                       | 1          | OPTICAL COUPLER, SINGLE CHANNEL   | Avago           | 50434     |
| 5962-9755701EXA                         | ACPL-785E-300                       | 1          | OPTICAL COUPLER, SINGLE CHANNEL   | Avago           | 50434     |
| 5962-9755701HYA                         | HCPL-7851#100                       | 1          | OPTICAL COUPLER, SINGLE CHANNEL   | Avago           | 50434     |
| 5962-9755701HPC                         | HCPL-7851                           | 1          | OPTICAL COUPLER, SINGLE CHANNEL   | Avago           | 50434     |
| 5962-9755701EYA                         | ACPL-785E-100                       | 1          | OPTICAL COUPLER, SINGLE CHANNEL   | Avago           | 50434     |
| 5962-9755701HXA                         | HCPL-7851#300                       | 1          | OPTICAL COUPLER, SINGLE CHANNEL   | Avago           | 50434     |
| 5962-9755701EPC                         | ACPL-785E                           | 1          | OPTICAL COUPLER, SINGLE CHANNEL   | Avago           | 50434     |
| 5962-9760901HXA                         | WMF2M8-150DAQ5                      | 1          | MEMORY, 2M X 8-BIT FLASH EPROM, 150 NS ACCESS TIME                              | White           | 54230     |
| 5962-9760901HXC                         | WMF2M8-150DAQ5                      | 1          | MEMORY, 2M X 8-BIT FLASH EPROM, 150 NS ACCESS TIME                              | White           | 54230     |
| 5962-9760902HXA                         | WMF2M8-120DAQ5                      | 1          | MEMORY, 2M X 8-BIT FLASH EPROM, 120 NS ACCESS TIME                              | White           | 54230     |
| 5962-9760902HXC                         | WMF2M8-120DAQ5                      | 1          | MEMORY, 2M X 8-BIT FLASH EPROM, 120 NS ACCESS TIME                              | White           | 54230     |
| 5962-9760903HXC                         | WMF2M8-90DAQ5                       | 1          | MEMORY, 2M X 8-BIT FLASH EPROM, 90 NS ACCESS TIME                               | White           | 54230     |
| 5962-9760903HXA                         | WMF2M8-90DAQ5                       | 1          | MEMORY, 2M X 8-BIT FLASH EPROM, 90 NS ACCESS TIME                               | White           | 54230     |
| 5962-9760904HXA                         | WMF2M8-150DAQE5                     | 1          | MEMORY, 2M X 8-BIT FLASH EPROM, 150 NS ACCESS TIME                              | White           | 54230     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description   | Approved Source | CAGE Code |
| 5962-9760904HXC                         | WMF2M8-150DAQE5                     | 1          | MEMORY, 2M X 8-BIT FLASH EPROM, 150 NS ACCESS TIME                             | White           | 54230     |
| 5962-9760905HXA                         | WMF2M8-120DAQE5                     | 1          | MEMORY, 2M X 8-BIT FLASH EPROM, 120 NS ACCESS TIME                             | White           | 54230     |
| 5962-9760905HXC                         | WMF2M8-120DAQE5                     | 1          | MEMORY, 2M X 8-BIT FLASH EPROM, 120 NS ACCESS TIME                             | White           | 54230     |
| 5962-9760906HXA                         | WMF2M8-90DAQE5                      | 1          | MEMORY, 2M X 8-BIT FLASH EPROM, 90 NS ACCESS TIME                              | White           | 54230     |
| 5962-9760906HXC                         | WMF2M8-90DAQE5                      | 1          | MEMORY, 2M X 8-BIT FLASH EPROM, 90 NS ACCESS TIME                              | White           | 54230     |
| 5962-9761001HXA                         | WF2M16-150DAQ5                      | 1          | FLASH EPROM, 2M X 16-BIT, 150 NS ACCESS TIME, HYBRID                           | White           | 54230     |
| 5962-9761001HXC                         | WF2M16-150DAQ5                      | 1          | FLASH EPROM, 2M X 16-BIT, 150 NS ACCESS TIME, HYBRID                           | White           | 54230     |
| 5962-9761002HXC                         | WF2M16-120DAQ5                      | 1          | FLASH EPROM, 2M X 16-BIT, 120 NS ACCESS TIME, HYBRID                           | White           | 54230     |
| 5962-9761002HXA                         | WF2M16-120DAQ5                      | 1          | FLASH EPROM, 2M X 16-BIT, 120 NS ACCESS TIME, HYBRID                           | White           | 54230     |
| 5962-9761003HXA                         | WF2M16-90DAQ5                       | 1          | FLASH EPROM, 2M X 16-BIT, 90 NS ACCESS TIME, HYBRID                            | White           | 54230     |
| 5962-9761003HXC                         | WF2M16-90DAQ5                       | 1          | FLASH EPROM, 2M X 16-BIT, 90 NS ACCESS TIME, HYBRID                            | White           | 54230     |
| 5962-9761004HXA                         | WF2M16-150DAQE5                     | 1          | FLASH EPROM, 2M X 16-BIT, 150 NS ACCESS TIME, HYBRID                           | White           | 54230     |
| 5962-9761004HXC                         | WF2M16-150DAQE5                     | 1          | FLASH EPROM, 2M X 16-BIT, 150 NS ACCESS TIME, HYBRID                           | White           | 54230     |
| 5962-9761005HXC                         | WF2M16-120DAQE5                     | 1          | FLASH EPROM, 2M X 16-BIT, 120 NS ACCESS TIME, HYBRID                           | White           | 54230     |
| 5962-9761005HXA                         | WF2M16-120DAQE5                     | 1          | FLASH EPROM, 2M X 16-BIT, 120 NS ACCESS TIME, HYBRID                           | White           | 54230     |
| 5962-9761006HXC                         | WF2M16-90DAQE5                      | 1          | FLASH EPROM, 2M X 16-BIT, 90 NS ACCESS TIME, HYBRID                            | White           | 54230     |
| 5962-9761006HXA                         | WF2M16-90DAQE5                      | 1          | FLASH EPROM, 2M X 16-BIT, 90 NS ACCESS TIME, HYBRID                            | White           | 54230     |
| 5962-9762802HXA                         | MSK 4200B                           | 1          | PWM MOTOR DRIVER/AMPLIFIER, H-BRIDGE, HYBRID                                   | MSK             | 51651     |
| 5962-9762802HXC                         | MSK 4200B                           | 1          | PWM MOTOR DRIVER/AMPLIFIER, H-BRIDGE, HYBRID                                   | MSK             | 51651     |
| 5962-9762902HXA                         | MSK 4201B                           | 1          | PWM MOTOR DRIVER/AMPLIFIER, H-BRIDGE, HYBRID                                   | MSK             | 51651     |
| 5962-9762902HXC                         | MSK 4201B                           | 1          | PWM MOTOR DRIVER/AMPLIFIER, H-BRIDGE, HYBRID                                   | MSK             | 51651     |
| 5962-9800101KUA                         | HCPL-268K#100                       | 2          | OPTOCOUPLER, DUAL  | Avago           | 50434     |
| 5962-9800101KEC                         | HCPL-268K                           | 2          | OPTOCOUPLER, DUAL  | Avago           | 50434     |
| 5962-9800101KUC                         | HCPL-268K#100                       | 2          | OPTOCOUPLER, DUAL  | Avago           | 50434     |
| 5962-9800101KEA                         | HCPL-268K#200                       | 2          | OPTOCOUPLER, DUAL  | Avago           | 50434     |
| 5962-9800101KTA                         | HCPL-268K#300                       | 2          | OPTOCOUPLER, DUAL  | Avago           | 50434     |
| 5962-9800101KEC                         | 66013-301                           | 1          | OPTOCOUPLER, DUAL  | Micropac        | 31757     |
| 5962-9800101KXA                         | 66072-300                           | 1          | OPTOCOUPLER, DUAL  | Micropac        | 31757     |
| 5962-9800101KEA                         | 66013-301                           | 1          | OPTOCOUPLER, DUAL  | Micropac        | 31757     |
| 5962-9800101KXC                         | 66072-300                           | 1          | OPTOCOUPLER, DUAL  | Micropac        | 31757     |
| 5962-9800102KPC                         | 66056-300                           | 1          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS   | Micropac        | 31757     |
| 5962-9800102KPA                         | 66056-300                           | 1          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS   | Micropac        | 31757     |
| 5962-9800102KPC                         | HCPL-563K                           | 2          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS   | Avago           | 50434     |
| 5962-9800102KYA                         | HCPL-563K#100                       | 2          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS   | Avago           | 50434     |
| 5962-9800102KYC                         | HCPL-563K#100                       | 2          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS   | Avago           | 50434     |
| 5962-9800102KZA                         | HCPL-563K#300                       | 2          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS   | Avago           | 50434     |
| 5962-9800102KPA                         | HCPL-563K#200                       | 2          | OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS   | Avago           | 50434     |
| 5962-9800103K2C                         | 66123-300                           | 1          | OPTOCOUPLER, DUAL-CHANNEL, WITH SEPARATE SUPPLY VOLTAGE AND GROUND CONNECTIONS | Micropac        | 31757     |
| 5962-9800103K2A                         | 66123-300                           | 1          | OPTOCOUPLER, DUAL-CHANNEL, WITH SEPARATE SUPPLY VOLTAGE AND GROUND CONNECTIONS | Micropac        | 31757     |
| 5962-9800103K2A                         | HCPL-663K                           | 2          | OPTOCOUPLER, DUAL-CHANNEL, WITH SEPARATE SUPPLY VOLTAGE AND GROUND CONNECTIONS | Avago           | 50434     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description   | Approved Source | CAGE Code |
| 5962-9800104KFC                         | HCPL-665K                           | 2          | OPTOCOUPLER, QUAD-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS | Avago           | 50434     |
| 5962-9800104KFA                         | HCPL-665K                           | 2          | OPTOCOUPLER, QUAD-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS | Avago           | 50434     |
| 5962-9800201KEC                         | HCPL-177K                           | 3          | OPTOCOUPLER, 4-CHANNEL   | Avago           | 50434     |
| 5962-9800201KZC                         | HCPL-177K#600                       | 3          | OPTOCOUPLER, 4-CHANNEL   | Avago           | 50434     |
| 5962-9800201KZA                         | HCPL-177K#600                       | 3          | OPTOCOUPLER, 4-CHANNEL   | Avago           | 50434     |
| 5962-9800201KXA                         | HCPL-177K#300                       | 3          | OPTOCOUPLER, 4-CHANNEL   | Avago           | 50434     |
| 5962-9800201KEA                         | HCPL-177K#200                       | 3          | OPTOCOUPLER, 4-CHANNEL   | Avago           | 50434     |
| 5962-9800201KYA                         | HCPL-177K#100                       | 3          | OPTOCOUPLER, 4-CHANNEL   | Avago           | 50434     |
| 5962-9800201KXC                         | 66012-300J                          | 1          | OPTOCOUPLER, 4-CHANNEL   | Micropac        | 31757     |
| 5962-9800201KXA                         | 66012-300J                          | 1          | OPTOCOUPLER, 4-CHANNEL   | Micropac        | 31757     |
| 5962-9800201KFC                         | HCPL-675K                           | 3          | OPTOCOUPLER, 4-CHANNEL   | Avago           | 50434     |
| 5962-9800201KEA                         | 66012-300                           | 1          | OPTOCOUPLER, 4-CHANNEL   | Micropac        | 31757     |
| 5962-9800201KYC                         | HCPL-177K#100                       | 3          | OPTOCOUPLER, 4-CHANNEL   | Avago           | 50434     |
| 5962-9800201KEC                         | 66012-300                           | 1          | OPTOCOUPLER, 4-CHANNEL   | Micropac        | 31757     |
| 98026-01HXA                             | AME270461X/CH                       | 1          | FILTER, EMI, 1.5 A   | IR Santa Clara  | 52467     |
| 98026-01HUA                             | AME270461W/CH                       | 1          | FILTER, EMI, 1.5 A   | IR Santa Clara  | 52467     |
| 98026-01HUC                             | AME270461W/CH                       | 1          | FILTER, EMI, 1.5 A   | IR Santa Clara  | 52467     |
| 98026-01HXC                             | AME270461X/CH                       | 1          | FILTER, EMI, 1.5 A   | IR Santa Clara  | 52467     |
| 98026-01HYA                             | AME270461Y/CH                       | 1          | FILTER, EMI, 1.5 A   | IR Santa Clara  | 52467     |
| 98026-01HZC                             | AME270461Z/CH                       | 1          | FILTER, EMI, 1.5 A   | IR Santa Clara  | 52467     |
| 98026-01HZA                             | AME270461Z/CH                       | 1          | FILTER, EMI, 1.5 A   | IR Santa Clara  | 52467     |
| 98026-01HYC                             | AME270461Y/CH                       | 1          | FILTER, EMI, 1.5 A   | IR Santa Clara  | 52467     |
| 98027-01HYC                             | AME28461Y/CH                        | 1          | FILTER, EMI, 15 A  | IR Santa Clara  | 52467     |
| 98027-01HYA                             | AME28461Y/CH                        | 1          | FILTER, EMI, 15 A  | IR Santa Clara  | 52467     |
| 98027-01HXC                             | AME28461X/CH                        | 1          | FILTER, EMI, 15 A  | IR Santa Clara  | 52467     |
| 98027-01HXA                             | AME28461X/CH                        | 1          | FILTER, EMI, 15 A  | IR Santa Clara  | 52467     |
| 98027-01HUC                             | AME28461W/CH                        | 1          | FILTER, EMI, 15 A  | IR Santa Clara  | 52467     |
| 98027-01HUA                             | AME28461W/CH                        | 1          | FILTER, EMI, 15 A  | IR Santa Clara  | 52467     |
| 98027-01HZA                             | AME28461Z/CH                        | 1          | FILTER, EMI, 15 A  | IR Santa Clara  | 52467     |
| 98027-01HZC                             | AME28461Z/CH                        | 1          | FILTER, EMI, 15 A  | IR Santa Clara  | 52467     |
| 5962-9851401HIA                         | MSK1362B                            | 1          | VOLT. REGULATOR, ADJ., NEGATIVE  | MSK             | 51651     |
| 5962-9851401HIC                         | MSK1362B                            | 1          | VOLT. REGULATOR, ADJ., NEGATIVE  | MSK             | 51651     |
| 5962-9852201HXC                         | MHV2805S/883                        | 1          | DC/DC CONVERTER, 15 W, +5 V OUTPUT, HYBRID                                   | Crane           | 50821     |
| 5962-9852201HZA                         | MHV2805SF/883                       | 1          | DC/DC CONVERTER, 15 W, +5 V OUTPUT, HYBRID                                   | Crane           | 50821     |
| 5962-9852201HXA                         | MHV2805S/883                        | 1          | DC/DC CONVERTER, 15 W, +5 V OUTPUT, HYBRID                                   | Crane           | 50821     |
| 5962-9852201HZC                         | MHV2805SF/883                       | 1          | DC/DC CONVERTER, 15 W, +5 V OUTPUT, HYBRID                                   | Crane           | 50821     |
| 5962-9852301HZC                         | MHV2812SF/883                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 15 W, +12 V OUTPUT                          | Crane           | 50821     |
| 5962-9852301HZA                         | MHV2812SF/883                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 15 W, +12 V OUTPUT                          | Crane           | 50821     |
| 5962-9852301HXC                         | MHV2812S/883                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 15 W, +12 V OUTPUT                          | Crane           | 50821     |
| 5962-9852301HXA                         | MHV2812S/883                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 15 W, +12 V OUTPUT                          | Crane           | 50821     |
| 5962-9852401HXA                         | MHV2815S/883                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 15 W, +15 V OUTPUT                          | Crane           | 50821     |

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                             | Approved Source | CAGE Code |
| 5962-9852401HZC                         | MHV2815SF/883                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 15 W, +15 V OUTPUT  | Crane           | 50821     |
| 5962-9852401HXC                         | MHV2815S/883                        | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 15 W, +15 V OUTPUT  | Crane           | 50821     |
| 5962-9852401HZA                         | MHV2815SF/883                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 15 W, +15 V OUTPUT  | Crane           | 50821     |
| 5962-9852501HZA                         | MHV2805DF/883                       | 1          | HYBRID, DC/DC CONVERTER, +/-5 V, DUAL CHANNEL        | Crane           | 50821     |
| 5962-9852501HXC                         | MHV2805D/883                        | 1          | HYBRID, DC/DC CONVERTER, +/-5 V, DUAL CHANNEL        | Crane           | 50821     |
| 5962-9852501HXA                         | MHV2805D/883                        | 1          | HYBRID, DC/DC CONVERTER, +/-5 V, DUAL CHANNEL        | Crane           | 50821     |
| 5962-9852501HZC                         | MHV2805DF/883                       | 1          | HYBRID, DC/DC CONVERTER, +/-5 V, DUAL CHANNEL        | Crane           | 50821     |
| 5962-9852601HXC                         | MHV2812D/883                        | 1          | HYBRID, DC/DC CONVERTER, +/-12 V, DUAL CHANNEL       | Crane           | 50821     |
| 5962-9852601HZC                         | MHV2812DF/883                       | 1          | HYBRID, DC/DC CONVERTER, +/-12 V, DUAL CHANNEL       | Crane           | 50821     |
| 5962-9852601HZA                         | MHV2812DF/883                       | 1          | HYBRID, DC/DC CONVERTER, +/-12 V, DUAL CHANNEL       | Crane           | 50821     |
| 5962-9852601HXA                         | MHV2812D/883                        | 1          | HYBRID, DC/DC CONVERTER, +/-12 V, DUAL CHANNEL       | Crane           | 50821     |
| 5962-9852701HZC                         | MHV2815DF/883                       | 1          | HYBRID, DC/DC CONVERTER, +/-15 V, DUAL CHANNEL       | Crane           | 50821     |
| 5962-9852701HXC                         | MHV2815D/883                        | 1          | HYBRID, DC/DC CONVERTER, +/-15 V, DUAL CHANNEL       | Crane           | 50821     |
| 5962-9852701HZA                         | MHV2815DF/883                       | 1          | HYBRID, DC/DC CONVERTER, +/-15 V, DUAL CHANNEL       | Crane           | 50821     |
| 5962-9852701HXA                         | MHV2815D/883                        | 1          | HYBRID, DC/DC CONVERTER, +/-15 V, DUAL CHANNEL       | Crane           | 50821     |
| 5962-9852801HZA                         | MHV283R3SF/883                      | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 15 W, +3.3 V OUTPUT | Crane           | 50821     |
| 5962-9852801HZC                         | MHV283R3SF/883                      | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 15 W, +3.3 V OUTPUT | Crane           | 50821     |
| 5962-9852801HXC                         | MHV283R3S/883                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 15 W, +3.3 V OUTPUT | Crane           | 50821     |
| 5962-9852801HXA                         | MHV283R3S/883                       | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 15 W, +3.3 V OUTPUT | Crane           | 50821     |
| 5962R9852901KXC                         | SLH2815D/KR                         | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-15 VOLT, HYBRID    | Crane           | 50821     |
| 5962L9852901KXC                         | SLH2815D/KL                         | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-15 VOLT, HYBRID    | Crane           | 50821     |
| 5962L9852901HXA                         | SLH2815D/HL                         | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-15 VOLT, HYBRID    | Crane           | 50821     |
| 5962L9852901HXC                         | SLH2815D/HL                         | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-15 VOLT, HYBRID    | Crane           | 50821     |
| 5962-9852901HXA                         | SLH2815D/HO                         | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-15 VOLT, HYBRID    | Crane           | 50821     |
| 5962R9852901KXA                         | SLH2815D/KR                         | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-15 VOLT, HYBRID    | Crane           | 50821     |
| 5962R9852901HXA                         | SLH2815D/HR                         | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-15 VOLT, HYBRID    | Crane           | 50821     |
| 5962L9852901KXA                         | SLH2815D/KL                         | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-15 VOLT, HYBRID    | Crane           | 50821     |
| 5962R9852901HXC                         | SLH2815D/HR                         | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-15 VOLT, HYBRID    | Crane           | 50821     |
| 5962-9852901HXC                         | SLH2815D/HO                         | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-15 VOLT, HYBRID    | Crane           | 50821     |
| 5962-9863801HXC                         | AFL2806.5DX/CH                      | 1          | DC/DC CONVERTER, 6.5-VOLT, DUAL CHANNEL              | IR Santa Clara  | 52467     |
| 5962-9863801HZC                         | AFL2806.5DZ/CH                      | 1          | DC/DC CONVERTER, 6.5-VOLT, DUAL CHANNEL              | IR Santa Clara  | 52467     |
| 5962-9863801HZA                         | AFL2806.5DZ/CH                      | 1          | DC/DC CONVERTER, 6.5-VOLT, DUAL CHANNEL              | IR Santa Clara  | 52467     |
| 5962-9863801HYA                         | AFL2806.5DY/CH                      | 1          | DC/DC CONVERTER, 6.5-VOLT, DUAL CHANNEL              | IR Santa Clara  | 52467     |
| 5962-9863801HXA                         | AFL2806.5DX/CH                      | 1          | DC/DC CONVERTER, 6.5-VOLT, DUAL CHANNEL              | IR Santa Clara  | 52467     |
| 5962-9863801HUC                         | AFL2806.5DW/CH                      | 1          | DC/DC CONVERTER, 6.5-VOLT, DUAL CHANNEL              | IR Santa Clara  | 52467     |
| 5962-9863801HUA                         | AFL2806.5DW/CH                      | 1          | DC/DC CONVERTER, 6.5-VOLT, DUAL CHANNEL              | IR Santa Clara  | 52467     |
| 5962-9863801HYC                         | AFL2806.5DY/CH                      | 1          | DC/DC CONVERTER, 6.5-VOLT, DUAL CHANNEL              | IR Santa Clara  | 52467     |
| 5962-9864001HNA                         | SDP7815ANHD                         | 1          | VOLT. REGULATOR, FIXED, POSITIVE, 15V, 1.0A          | Solitron        | 21845     |
| 5962-9864001HZC                         | SDP7815AZHG                         | 1          | VOLT. REGULATOR, FIXED, POSITIVE, 15V, 1.0A          | Solitron        | 21845     |
| 5962-9864001HZA                         | SDP7815AZHD                         | 1          | VOLT. REGULATOR, FIXED, POSITIVE, 15V, 1.0A          | Solitron        | 21845     |
| 5962-9864001HUC                         | SDP7815AUHG                         | 1          | VOLT. REGULATOR, FIXED, POSITIVE, 15V, 1.0A          | Solitron        | 21845     |
| 5962-9864001HUA                         | SDP7815AUHD                         | 1          | VOLT. REGULATOR, FIXED, POSITIVE, 15V, 1.0A          | Solitron        | 21845     |

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                     | Approved Source | CAGE Code |
| 5962-9864001HTC                         | SDP7815ATHG                         | 1          | VOLT. REGULATOR, FIXED, POSITIVE, 15V, 1.0A  | Solitron        | 21845     |
| 5962-9864001HTA                         | SDP7815ATHD                         | 1          | VOLT. REGULATOR, FIXED, POSITIVE, 15V, 1.0A  | Solitron        | 21845     |
| 5962-9864001HNC                         | SDP7815ANHG                         | 1          | VOLT. REGULATOR, FIXED, POSITIVE, 15V, 1.0A  | Solitron        | 21845     |
| 5962-9864101HNC                         | SDP7915ANHG                         | 1          | VOLT. REGULATOR, FIXED, NEGATIVE, -15V, 1.0A | Solitron        | 21845     |
| 5962-9864101HTA                         | SDP7915ATHD                         | 1          | VOLT. REGULATOR, FIXED, NEGATIVE, -15V, 1.0A | Solitron        | 21845     |
| 5962-9864101HTC                         | SDP7915ATHG                         | 1          | VOLT. REGULATOR, FIXED, NEGATIVE, -15V, 1.0A | Solitron        | 21845     |
| 5962-9864101HUA                         | SDP7915AUHD                         | 1          | VOLT. REGULATOR, FIXED, NEGATIVE, -15V, 1.0A | Solitron        | 21845     |
| 5962-9864101HUC                         | SDP7915AUHG                         | 1          | VOLT. REGULATOR, FIXED, NEGATIVE, -15V, 1.0A | Solitron        | 21845     |
| 5962-9864101HZA                         | SDP7915AZHD                         | 1          | VOLT. REGULATOR, FIXED, NEGATIVE, -15V, 1.0A | Solitron        | 21845     |
| 5962-9864101HZC                         | SDP7915AZHG                         | 1          | VOLT. REGULATOR, FIXED, NEGATIVE, -15V, 1.0A | Solitron        | 21845     |
| 5962-9864101HNA                         | SDP7915ANHD                         | 1          | VOLT. REGULATOR, FIXED, NEGATIVE, -15V, 1.0A | Solitron        | 21845     |
| 5962-9864201HUC                         | SDP7905AUHG                         | 1          | VOLT. REGULATOR, FIXED, NEGATIVE, -5V, 1.0A  | Solitron        | 21845     |
| 5962-9864201HTA                         | SDP7905ATHD                         | 1          | VOLT. REGULATOR, FIXED, NEGATIVE, -5V, 1.0A  | Solitron        | 21845     |
| 5962-9864201HNC                         | SDP7905ANHG                         | 1          | VOLT. REGULATOR, FIXED, NEGATIVE, -5V, 1.0A  | Solitron        | 21845     |
| 5962-9864201HTC                         | SDP7905ATHG                         | 1          | VOLT. REGULATOR, FIXED, NEGATIVE, -5V, 1.0A  | Solitron        | 21845     |
| 5962-9864201HUA                         | SDP7905AUHD                         | 1          | VOLT. REGULATOR, FIXED, NEGATIVE, -5V, 1.0A  | Solitron        | 21845     |
| 5962-9864201HZC                         | SDP7905AZHG                         | 1          | VOLT. REGULATOR, FIXED, NEGATIVE, -5V, 1.0A  | Solitron        | 21845     |
| 5962-9864201HZA                         | SDP7905AZHD                         | 1          | VOLT. REGULATOR, FIXED, NEGATIVE, -5V, 1.0A  | Solitron        | 21845     |
| 5962-9864201HNA                         | SDP7905ANHD                         | 1          | VOLT. REGULATOR, FIXED, NEGATIVE, -5V, 1.0A  | Solitron        | 21845     |
| 5962-9864301HZA                         | SDP7805AZHD                         | 1          | VOLT. REGULATOR, FIXED, POSITIVE, 5V, 1.0A   | Solitron        | 21845     |
| 5962-9864301HNA                         | SDP7805ANHD                         | 1          | VOLT. REGULATOR, FIXED, POSITIVE, 5V, 1.0A   | Solitron        | 21845     |
| 5962-9864301HNC                         | SDP7805ANHG                         | 1          | VOLT. REGULATOR, FIXED, POSITIVE, 5V, 1.0A   | Solitron        | 21845     |
| 5962-9864301HTA                         | SDP7805ATHD                         | 1          | VOLT. REGULATOR, FIXED, POSITIVE, 5V, 1.0A   | Solitron        | 21845     |
| 5962-9864301HTC                         | SDP7805ATHG                         | 1          | VOLT. REGULATOR, FIXED, POSITIVE, 5V, 1.0A   | Solitron        | 21845     |
| 5962-9864301HUC                         | SDP7805AUHG                         | 1          | VOLT. REGULATOR, FIXED, POSITIVE, 5V, 1.0A   | Solitron        | 21845     |
| 5962-9864301HZC                         | SDP7805AZHG                         | 1          | VOLT. REGULATOR, FIXED, POSITIVE, 5V, 1.0A   | Solitron        | 21845     |
| 5962-9864301HUA                         | SDP7805AUHD                         | 1          | VOLT. REGULATOR, FIXED, POSITIVE, 5V, 1.0A   | Solitron        | 21845     |
| 5962-9864701HXC                         | SDP1083XHG                          | 1          | VOLT. REGULATOR, ADJ., POSITIVE              | Solitron        | 21845     |
| 5962-9864701HXA                         | SDP1083XHD                          | 1          | VOLT. REGULATOR, ADJ., POSITIVE              | Solitron        | 21845     |
| 5962-9864701HUC                         | SDP1083UHG                          | 1          | VOLT. REGULATOR, ADJ., POSITIVE              | Solitron        | 21845     |
| 5962-9864701HUA                         | SDP1083UHD                          | 1          | VOLT. REGULATOR, ADJ., POSITIVE              | Solitron        | 21845     |
| 5962-9864701HTC                         | SDP1083THG                          | 1          | VOLT. REGULATOR, ADJ., POSITIVE              | Solitron        | 21845     |
| 5962-9864701HTA                         | SDP1083THD                          | 1          | VOLT. REGULATOR, ADJ., POSITIVE              | Solitron        | 21845     |
| 5962-9864701HNC                         | SDP1083NHG                          | 1          | VOLT. REGULATOR, ADJ., POSITIVE              | Solitron        | 21845     |
| 5962-9864701HZA                         | SDP1083ZHD                          | 1          | VOLT. REGULATOR, ADJ., POSITIVE              | Solitron        | 21845     |
| 5962-9864701HZC                         | SDP1083ZHG                          | 1          | VOLT. REGULATOR, ADJ., POSITIVE              | Solitron        | 21845     |
| 5962-9864701HNA                         | SDP1083NHD                          | 1          | VOLT. REGULATOR, ADJ., POSITIVE              | Solitron        | 21845     |
| 5962-9864801HUA                         | SDP1084UHD                          | 1          | VOLT. REGULATOR, ADJ., POSITIVE, 5.0A        | Solitron        | 21845     |
| 5962-9864801HNA                         | SDP1084NHD                          | 1          | VOLT. REGULATOR, ADJ., POSITIVE, 5.0A        | Solitron        | 21845     |
| 5962-9864801HNC                         | SDP1084NHG                          | 1          | VOLT. REGULATOR, ADJ., POSITIVE, 5.0A        | Solitron        | 21845     |
| 5962-9864801HTA                         | SDP1084THD                          | 1          | VOLT. REGULATOR, ADJ., POSITIVE, 5.0A        | Solitron        | 21845     |
| 5962-9864801HUC                         | SDP1084UHG                          | 1          | VOLT. REGULATOR, ADJ., POSITIVE, 5.0A        | Solitron        | 21845     |
| 5962-9864801HZA                         | SDP1084ZHD                          | 1          | VOLT. REGULATOR, ADJ., POSITIVE, 5.0A        | Solitron        | 21845     |
| 5962-9864801HZC                         | SDP1084ZHG                          | 1          | VOLT. REGULATOR, ADJ., POSITIVE, 5.0A        | Solitron        | 21845     |
| 5962-9864801HTC                         | SDP1084THG                          | 1          | VOLT. REGULATOR, ADJ., POSITIVE, 5.0A        | Solitron        | 21845     |
| 5962-9864901HUC                         | SDP1085UHG                          | 1          | VOLT. REGULATOR, ADJ., POSITIVE, 2.0A        | Solitron        | 21845     |
| 5962-9864901HZA                         | SDP1085ZHD                          | 1          | VOLT. REGULATOR, ADJ., POSITIVE, 2.0A        | Solitron        | 21845     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                       | Approved Source | CAGE Code |
| 5962-9864901HUA                         | SDP1085UHD                          | 1          | VOLT. REGULATOR, ADJ., POSITIVE, 2.0A          | Solitron        | 21845     |
| 5962-9864901HTC                         | SDP1085THG                          | 1          | VOLT. REGULATOR, ADJ., POSITIVE, 2.0A          | Solitron        | 21845     |
| 5962-9864901HTA                         | SDP1085THD                          | 1          | VOLT. REGULATOR, ADJ., POSITIVE, 2.0A          | Solitron        | 21845     |
| 5962-9864901HNC                         | SDP1085NHG                          | 1          | VOLT. REGULATOR, ADJ., POSITIVE, 2.0A          | Solitron        | 21845     |
| 5962-9864901HNA                         | SDP1085NHD                          | 1          | VOLT. REGULATOR, ADJ., POSITIVE, 2.0A          | Solitron        | 21845     |
| 5962-9864901HZC                         | SDP1085ZHG                          | 1          | VOLT. REGULATOR, ADJ., POSITIVE, 2.0A          | Solitron        | 21845     |
| 5962-9865001HNA                         | SDP1086NHD                          | 1          | VOLT. REGULATOR, ADJ., POSITIVE, 1.0A          | Solitron        | 21845     |
| 5962-9865001HNC                         | SDP1086NHG                          | 1          | VOLT. REGULATOR, ADJ., POSITIVE, 1.0A          | Solitron        | 21845     |
| 5962-9865001HTA                         | SDP1086THD                          | 1          | VOLT. REGULATOR, ADJ., POSITIVE, 1.0A          | Solitron        | 21845     |
| 5962-9865001HTC                         | SDP1086THG                          | 1          | VOLT. REGULATOR, ADJ., POSITIVE, 1.0A          | Solitron        | 21845     |
| 5962-9865001HUA                         | SDP1086UHD                          | 1          | VOLT. REGULATOR, ADJ., POSITIVE, 1.0A          | Solitron        | 21845     |
| 5962-9865001HUC                         | SDP1086UHG                          | 1          | VOLT. REGULATOR, ADJ., POSITIVE, 1.0A          | Solitron        | 21845     |
| 5962-9865001HZA                         | SDP1086ZHD                          | 1          | VOLT. REGULATOR, ADJ., POSITIVE, 1.0A          | Solitron        | 21845     |
| 5962-9865001HZC                         | SDP1086ZHG                          | 1          | VOLT. REGULATOR, ADJ., POSITIVE, 1.0A          | Solitron        | 21845     |
| 5962-9951801HYC                         | AFL27012DY/CH                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, 12 VOLT, HYBRID | IR Santa Clara  | 52467     |
| 5962-9951801HZA                         | AFL27012DZ/CH                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, 12 VOLT, HYBRID | IR Santa Clara  | 52467     |
| 5962-9951801HUA                         | AFL27012DW/CH                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, 12 VOLT, HYBRID | IR Santa Clara  | 52467     |
| 5962-9951801HUC                         | AFL27012DW/CH                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, 12 VOLT, HYBRID | IR Santa Clara  | 52467     |
| 5962-9951801HXA                         | AFL27012DX/CH                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, 12 VOLT, HYBRID | IR Santa Clara  | 52467     |
| 5962-9951801HXC                         | AFL27012DX/CH                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, 12 VOLT, HYBRID | IR Santa Clara  | 52467     |
| 5962-9951801HYA                         | AFL27012DY/CH                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, 12 VOLT, HYBRID | IR Santa Clara  | 52467     |
| 5962-9951801HZC                         | AFL27012DZ/CH                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, 12 VOLT, HYBRID | IR Santa Clara  | 52467     |
| 5962-9954401HXA                         | MOR283R3S/883                       | 1          | DC/DC CONVERTER, 3.3 VOLT, SINGLE CHANNEL      | Crane           | 50821     |
| 5962-9954401HYC                         | MOR283R3SY/883                      | 1          | DC/DC CONVERTER, 3.3 VOLT, SINGLE CHANNEL      | Crane           | 50821     |
| 5962-9954401HXC                         | MOR283R3S/883                       | 1          | DC/DC CONVERTER, 3.3 VOLT, SINGLE CHANNEL      | Crane           | 50821     |
| 5962-9954401HUA                         | MOR283R3SV/883                      | 1          | DC/DC CONVERTER, 3.3 VOLT, SINGLE CHANNEL      | Crane           | 50821     |
| 5962-9954401HUC                         | MOR283R3SV/883                      | 1          | DC/DC CONVERTER, 3.3 VOLT, SINGLE CHANNEL      | Crane           | 50821     |
| 5962-9954401HTA                         | MOR283R3SW/883                      | 1          | DC/DC CONVERTER, 3.3 VOLT, SINGLE CHANNEL      | Crane           | 50821     |
| 5962-9954401HTC                         | MOR283R3SW/883                      | 1          | DC/DC CONVERTER, 3.3 VOLT, SINGLE CHANNEL      | Crane           | 50821     |
| 5962-9954401HYA                         | MOR283R3SY/883                      | 1          | DC/DC CONVERTER, 3.3 VOLT, SINGLE CHANNEL      | Crane           | 50821     |
| 5962-9954401HZC                         | MOR283R3SZ/883                      | 1          | DC/DC CONVERTER, 3.3 VOLT, SINGLE CHANNEL      | Crane           | 50821     |
| 5962-9954401HZA                         | MOR283R3SZ/883                      | 1          | DC/DC CONVERTER, 3.3 VOLT, SINGLE CHANNEL      | Crane           | 50821     |
| 5962-9954501HZC                         | MOR286R3SZ/883                      | 1          | DC/DC CONVERTER, 6.3 VOLT, SINGLE CHANNEL      | Crane           | 50821     |
| 5962-9954501HZA                         | MOR286R3SZ/883                      | 1          | DC/DC CONVERTER, 6.3 VOLT, SINGLE CHANNEL      | Crane           | 50821     |
| 5962-9954501HTC                         | MOR286R3SW/883                      | 1          | DC/DC CONVERTER, 6.3 VOLT, SINGLE CHANNEL      | Crane           | 50821     |
| 5962-9954501HUA                         | MOR286R3SV/883                      | 1          | DC/DC CONVERTER, 6.3 VOLT, SINGLE CHANNEL      | Crane           | 50821     |
| 5962-9954501HYA                         | MOR286R3SY/883                      | 1          | DC/DC CONVERTER, 6.3 VOLT, SINGLE CHANNEL      | Crane           | 50821     |
| 5962-9954501HYC                         | MOR286R3SY/883                      | 1          | DC/DC CONVERTER, 6.3 VOLT, SINGLE CHANNEL      | Crane           | 50821     |
| 5962-9954501HXA                         | MOR286R3S/883                       | 1          | DC/DC CONVERTER, 6.3 VOLT, SINGLE CHANNEL      | Crane           | 50821     |
| 5962-9954501HXC                         | MOR286R3S/883                       | 1          | DC/DC CONVERTER, 6.3 VOLT, SINGLE CHANNEL      | Crane           | 50821     |
| 5962-9954501HTA                         | MOR286R3SW/883                      | 1          | DC/DC CONVERTER, 6.3 VOLT, SINGLE CHANNEL      | Crane           | 50821     |
| 5962-9954501HUC                         | MOR286R3SV/883                      | 1          | DC/DC CONVERTER, 6.3 VOLT, SINGLE CHANNEL      | Crane           | 50821     |
| 5962-9954601HZA                         | MOR289R5SZ/883                      | 1          | DC/DC CONVERTER, 9.5 VOLT, SINGLE CHANNEL      | Crane           | 50821     |
| 5962-9954601HZC                         | MOR289R5SZ/883                      | 1          | DC/DC CONVERTER, 9.5 VOLT, SINGLE CHANNEL      | Crane           | 50821     |
| 5962-9954601HYC                         | MOR289R5SY/883                      | 1          | DC/DC CONVERTER, 9.5 VOLT, SINGLE CHANNEL      | Crane           | 50821     |
| 5962-9954601HYA                         | MOR289R5SY/883                      | 1          | DC/DC CONVERTER, 9.5 VOLT, SINGLE CHANNEL      | Crane           | 50821     |
| 5962-9954601HTC                         | MOR289R5SW/883                      | 1          | DC/DC CONVERTER, 9.5 VOLT, SINGLE CHANNEL      | Crane           | 50821     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |   |                 |           |
|---|-------------------------------------|------------|---|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                          | Approved Source | CAGE Code |
| 5962-9954601HTA                         | MOR289R5SW/883                      | 1          | DC/DC CONVERTER, 9.5 VOLT, SINGLE CHANNEL         | Crane           | 50821     |
| 5962-9954601HUC                         | MOR289R5SV/883                      | 1          | DC/DC CONVERTER, 9.5 VOLT, SINGLE CHANNEL         | Crane           | 50821     |
| 5962-9954601HUA                         | MOR289R5SV/883                      | 1          | DC/DC CONVERTER, 9.5 VOLT, SINGLE CHANNEL         | Crane           | 50821     |
| 5962-9954601HXA                         | MOR289R5S/883                       | 1          | DC/DC CONVERTER, 9.5 VOLT, SINGLE CHANNEL         | Crane           | 50821     |
| 5962-9954601HXC                         | MOR289R5S/883                       | 1          | DC/DC CONVERTER, 9.5 VOLT, SINGLE CHANNEL         | Crane           | 50821     |
| 5962-9954801HYA                         | MOR2805SY/883                       | 1          | DC/DC CONVERTER, 5 VOLT, SINGLE CHANNEL           | Crane           | 50821     |
| 5962-9954801HUA                         | MOR2805SV/883                       | 1          | DC/DC CONVERTER, 5 VOLT, SINGLE CHANNEL           | Crane           | 50821     |
| 5962-9954801HXC                         | MOR2805S/883                        | 1          | DC/DC CONVERTER, 5 VOLT, SINGLE CHANNEL           | Crane           | 50821     |
| 5962-9954801HXA                         | MOR2805S/883                        | 1          | DC/DC CONVERTER, 5 VOLT, SINGLE CHANNEL           | Crane           | 50821     |
| 5962-9954801HTA                         | MOR2805SW/883                       | 1          | DC/DC CONVERTER, 5 VOLT, SINGLE CHANNEL           | Crane           | 50821     |
| 5962-9954801HYC                         | MOR2805SY/883                       | 1          | DC/DC CONVERTER, 5 VOLT, SINGLE CHANNEL           | Crane           | 50821     |
| 5962-9954801HTC                         | MOR2805SW/883                       | 1          | DC/DC CONVERTER, 5 VOLT, SINGLE CHANNEL           | Crane           | 50821     |
| 5962-9954801HUC                         | MOR2805SV/883                       | 1          | DC/DC CONVERTER, 5 VOLT, SINGLE CHANNEL           | Crane           | 50821     |
| 5962-9954801HZC                         | MOR2805SZ/883                       | 1          | DC/DC CONVERTER, 5 VOLT, SINGLE CHANNEL           | Crane           | 50821     |
| 5962-9954801HZA                         | MOR2805SZ/883                       | 1          | DC/DC CONVERTER, 5 VOLT, SINGLE CHANNEL           | Crane           | 50821     |
| 5962-9954901HUA                         | MOR2812SV/883                       | 1          | DC/DC CONVERTER, 12 VOLT, SINGLE CHANNEL          | Crane           | 50821     |
| 5962-9954901HUC                         | MOR2812SV/883                       | 1          | DC/DC CONVERTER, 12 VOLT, SINGLE CHANNEL          | Crane           | 50821     |
| 5962-9954901HYA                         | MOR2812SY/883                       | 1          | DC/DC CONVERTER, 12 VOLT, SINGLE CHANNEL          | Crane           | 50821     |
| 5962-9954901HXC                         | MOR2812S/883                        | 1          | DC/DC CONVERTER, 12 VOLT, SINGLE CHANNEL          | Crane           | 50821     |
| 5962-9954901HYC                         | MOR2812SY/883                       | 1          | DC/DC CONVERTER, 12 VOLT, SINGLE CHANNEL          | Crane           | 50821     |
| 5962-9954901HZA                         | MOR2812SZ/883                       | 1          | DC/DC CONVERTER, 12 VOLT, SINGLE CHANNEL          | Crane           | 50821     |
| 5962-9954901HZC                         | MOR2812SZ/883                       | 1          | DC/DC CONVERTER, 12 VOLT, SINGLE CHANNEL          | Crane           | 50821     |
| 5962-9954901HTC                         | MOR2812SW/883                       | 1          | DC/DC CONVERTER, 12 VOLT, SINGLE CHANNEL          | Crane           | 50821     |
| 5962-9954901HTA                         | MOR2812SW/883                       | 1          | DC/DC CONVERTER, 12 VOLT, SINGLE CHANNEL          | Crane           | 50821     |
| 5962-9954901HXA                         | MOR2812S/883                        | 1          | DC/DC CONVERTER, 12 VOLT, SINGLE CHANNEL          | Crane           | 50821     |
| 5962-9955001HUA                         | MOR2815SV/883                       | 1          | DC/DC CONVERTER, 15 VOLT, SINGLE CHANNEL          | Crane           | 50821     |
| 5962-9955001HXC                         | MOR2815S/883                        | 1          | DC/DC CONVERTER, 15 VOLT, SINGLE CHANNEL          | Crane           | 50821     |
| 5962-9955001HXA                         | MOR2815S/883                        | 1          | DC/DC CONVERTER, 15 VOLT, SINGLE CHANNEL          | Crane           | 50821     |
| 5962-9955001HZC                         | MOR2815SZ/883                       | 1          | DC/DC CONVERTER, 15 VOLT, SINGLE CHANNEL          | Crane           | 50821     |
| 5962-9955001HTC                         | MOR2815SW/883                       | 1          | DC/DC CONVERTER, 15 VOLT, SINGLE CHANNEL          | Crane           | 50821     |
| 5962-9955001HUC                         | MOR2815SV/883                       | 1          | DC/DC CONVERTER, 15 VOLT, SINGLE CHANNEL          | Crane           | 50821     |
| 5962-9955001HYA                         | MOR2815SY/883                       | 1          | DC/DC CONVERTER, 15 VOLT, SINGLE CHANNEL          | Crane           | 50821     |
| 5962-9955001HYC                         | MOR2815SY/883                       | 1          | DC/DC CONVERTER, 15 VOLT, SINGLE CHANNEL          | Crane           | 50821     |
| 5962-9955001HZA                         | MOR2815SZ/883                       | 1          | DC/DC CONVERTER, 15 VOLT, SINGLE CHANNEL          | Crane           | 50821     |
| 5962-9955001HTA                         | MOR2815SW/883                       | 1          | DC/DC CONVERTER, 15 VOLT, SINGLE CHANNEL          | Crane           | 50821     |
| 5962-9955201HYC                         | AFL2803.3SY/CH                      | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 VOLT, HYBRID | IR Santa Clara  | 52467     |
| 5962-9955201HZA                         | AFL2803.3SZ/CH                      | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 VOLT, HYBRID | IR Santa Clara  | 52467     |
| 5962-9955201HYA                         | AFL2803.3SY/CH                      | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 VOLT, HYBRID | IR Santa Clara  | 52467     |
| 5962-9955201HXC                         | AFL2803.3SX/CH                      | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 VOLT, HYBRID | IR Santa Clara  | 52467     |
| 5962-9955201HXA                         | AFL2803.3SX/CH                      | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 VOLT, HYBRID | IR Santa Clara  | 52467     |
| 5962-9955201HUC                         | AFL2803.3SW/CH                      | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 VOLT, HYBRID | IR Santa Clara  | 52467     |
| 5962-9955201HUA                         | AFL2803.3SW/CH                      | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 VOLT, HYBRID | IR Santa Clara  | 52467     |
| 5962-9955201HZC                         | AFL2803.3SZ/CH                      | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 VOLT, HYBRID | IR Santa Clara  | 52467     |
| 5962-9955301HUC                         | AFL27003.3SW/CH                     | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 VOLT, HYBRID | IR Santa Clara  | 52467     |
| 5962-9955301HUA                         | AFL27003.3SW/CH                     | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 VOLT, HYBRID | IR Santa Clara  | 52467     |
| 5962-9955301HZC                         | AFL27003.3SZ/CH                     | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 VOLT, HYBRID | IR Santa Clara  | 52467     |
| 5962-9955301HZA                         | AFL27003.3SZ/CH                     | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 VOLT, HYBRID | IR Santa Clara  | 52467     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

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DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                           | Approved Source | CAGE Code |
| 5962-9955301HYC                         | AFL27003.3SY/CH                     | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 VOLT, HYBRID  | IR Santa Clara  | 52467     |
| 5962-9955301HYA                         | AFL27003.3SY/CH                     | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 VOLT, HYBRID  | IR Santa Clara  | 52467     |
| 5962-9955301HXA                         | AFL27003.3SX/CH                     | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 VOLT, HYBRID  | IR Santa Clara  | 52467     |
| 5962-9955301HXC                         | AFL27003.3SX/CH                     | 1          | DC/DC CONVERTER, SINGLE CHANNEL, 3.3 VOLT, HYBRID  | IR Santa Clara  | 52467     |
| 5962L9955601KXA                         | SLH2812D/KL                         | 1          | DC/DC CONVERTER, 1.5 W, +/- 12 V OUTPUTS, HYBRID   | Crane           | 50821     |
| 5962R9955601HXC                         | SLH2812D/HR                         | 1          | DC/DC CONVERTER, 1.5 W, +/- 12 V OUTPUTS, HYBRID   | Crane           | 50821     |
| 5962R9955601HXA                         | SLH2812D/HR                         | 1          | DC/DC CONVERTER, 1.5 W, +/- 12 V OUTPUTS, HYBRID   | Crane           | 50821     |
| 5962-9955601HXC                         | SLH2812D/HO                         | 1          | DC/DC CONVERTER, 1.5 W, +/- 12 V OUTPUTS, HYBRID   | Crane           | 50821     |
| 5962R9955601KXA                         | SLH2812D/KR                         | 1          | DC/DC CONVERTER, 1.5 W, +/- 12 V OUTPUTS, HYBRID   | Crane           | 50821     |
| 5962L9955601HXC                         | SLH2812D/HL                         | 1          | DC/DC CONVERTER, 1.5 W, +/- 12 V OUTPUTS, HYBRID   | Crane           | 50821     |
| 5962L9955601KXC                         | SLH2812D/KL                         | 1          | DC/DC CONVERTER, 1.5 W, +/- 12 V OUTPUTS, HYBRID   | Crane           | 50821     |
| 5962L9955601HXA                         | SLH2812D/HL                         | 1          | DC/DC CONVERTER, 1.5 W, +/- 12 V OUTPUTS, HYBRID   | Crane           | 50821     |
| 5962-9955601HXA                         | SLH2812D/HO                         | 1          | DC/DC CONVERTER, 1.5 W, +/- 12 V OUTPUTS, HYBRID   | Crane           | 50821     |
| 5962R9955601KXC                         | SLH2812D/KR                         | 1          | DC/DC CONVERTER, 1.5 W, +/- 12 V OUTPUTS, HYBRID   | Crane           | 50821     |
| 5962-9956101HZC                         | MOR2805DZ/883                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-5 VOLT, HYBRID   | Crane           | 50821     |
| 5962-9956101HXA                         | MOR2805D/883                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-5 VOLT, HYBRID   | Crane           | 50821     |
| 5962-9956101HXC                         | MOR2805D/883                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-5 VOLT, HYBRID   | Crane           | 50821     |
| 5962-9956101HUA                         | MOR2805DV/883                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-5 VOLT, HYBRID   | Crane           | 50821     |
| 5962-9956101HUC                         | MOR2805DV/883                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-5 VOLT, HYBRID   | Crane           | 50821     |
| 5962-9956101HTA                         | MOR2805DW/883                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-5 VOLT, HYBRID   | Crane           | 50821     |
| 5962-9956101HTC                         | MOR2805DW/883                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-5 VOLT, HYBRID   | Crane           | 50821     |
| 5962-9956101HYA                         | MOR2805DY/883                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-5 VOLT, HYBRID   | Crane           | 50821     |
| 5962-9956101HYC                         | MOR2805DY/883                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-5 VOLT, HYBRID   | Crane           | 50821     |
| 5962-9956101HZA                         | MOR2805DZ/883                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-5 VOLT, HYBRID   | Crane           | 50821     |
| 5962-9956201HZA                         | MOR2812DZ/883                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-12 VOLT, HYBRID  | Crane           | 50821     |
| 5962-9956201HZC                         | MOR2812DZ/883                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-12 VOLT, HYBRID  | Crane           | 50821     |
| 5962-9956201HUA                         | MOR2812DV/883                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-12 VOLT, HYBRID  | Crane           | 50821     |
| 5962-9956201HUC                         | MOR2812DV/883                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-12 VOLT, HYBRID  | Crane           | 50821     |
| 5962-9956201HTA                         | MOR2812DW/883                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-12 VOLT, HYBRID  | Crane           | 50821     |
| 5962-9956201HTC                         | MOR2812DW/883                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-12 VOLT, HYBRID  | Crane           | 50821     |
| 5962-9956201HYA                         | MOR2812DY/883                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-12 VOLT, HYBRID  | Crane           | 50821     |
| 5962-9956201HXC                         | MOR2812D/883                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-12 VOLT, HYBRID  | Crane           | 50821     |
| 5962-9956201HYC                         | MOR2812DY/883                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-12 VOLT, HYBRID  | Crane           | 50821     |
| 5962-9956201HXA                         | MOR2812D/883                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-12 VOLT, HYBRID  | Crane           | 50821     |
| 5962-9956301HUA                         | MOR2815DV/883                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-15 VOLT, HYBRID  | Crane           | 50821     |
| 5962-9956301HUC                         | MOR2815DV/883                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-15 VOLT, HYBRID  | Crane           | 50821     |
| 5962-9956301HTA                         | MOR2815DW/883                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-15 VOLT, HYBRID  | Crane           | 50821     |
| 5962-9956301HTC                         | MOR2815DW/883                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-15 VOLT, HYBRID  | Crane           | 50821     |
| 5962-9956301HYA                         | MOR2815DY/883                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-15 VOLT, HYBRID  | Crane           | 50821     |
| 5962-9956301HYC                         | MOR2815DY/883                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-15 VOLT, HYBRID  | Crane           | 50821     |
| 5962-9956301HZA                         | MOR2815DZ/883                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-15 VOLT, HYBRID  | Crane           | 50821     |
| 5962-9956301HZC                         | MOR2815DZ/883                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-15 VOLT, HYBRID  | Crane           | 50821     |
| 5962-9956301HXA                         | MOR2815D/883                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-15 VOLT, HYBRID  | Crane           | 50821     |
| 5962-9956301HXC                         | MOR2815D/883                        | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-15 VOLT, HYBRID  | Crane           | 50821     |
| 5962-9956401HYA                         | MOR283R3DY/883                      | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-3.3 VOLT, HYBRID | Crane           | 50821     |
| 5962-9956401HZC                         | MOR283R3DZ/883                      | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-3.3 VOLT, HYBRID | Crane           | 50821     |
| 5962-9956401HYC                         | MOR283R3DY/883                      | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-3.3 VOLT, HYBRID | Crane           | 50821     |



Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

**PRODUCT ELIGIBILITY:** The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |   |                 |           |
|---|-------------------------------------|------------|---|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                              | Approved Source | CAGE Code |
| 5962-9956401HTC                         | MOR283R3DW/883                      | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-3.3 VOLT, HYBRID    | Crane           | 50821     |
| 5962-9956401HXA                         | MOR283R3D/883                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-3.3 VOLT, HYBRID    | Crane           | 50821     |
| 5962-9956401HUC                         | MOR283R3DV/883                      | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-3.3 VOLT, HYBRID    | Crane           | 50821     |
| 5962-9956401HUA                         | MOR283R3DZ/883                      | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-3.3 VOLT, HYBRID    | Crane           | 50821     |
| 5962-9956401HXC                         | MOR283R3D/883                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-3.3 VOLT, HYBRID    | Crane           | 50821     |
| 5962-9956401HTA                         | MOR283R3DW/883                      | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-3.3 VOLT, HYBRID    | Crane           | 50821     |
| 5962-9956401HZA                         | MOR283R3DZ/883                      | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-3.3 VOLT, HYBRID    | Crane           | 50821     |
| 5962-9956501HUC                         | MOR286R3DV/883                      | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-6.3 VOLT, HYBRID    | Crane           | 50821     |
| 5962-9956501HZA                         | MOR286R3DZ/883                      | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-6.3 VOLT, HYBRID    | Crane           | 50821     |
| 5962-9956501HYC                         | MOR286R3DY/883                      | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-6.3 VOLT, HYBRID    | Crane           | 50821     |
| 5962-9956501HYA                         | MOR286R3DY/883                      | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-6.3 VOLT, HYBRID    | Crane           | 50821     |
| 5962-9956501HXC                         | MOR286R3D/883                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-6.3 VOLT, HYBRID    | Crane           | 50821     |
| 5962-9956501HTC                         | MOR286R3DW/883                      | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-6.3 VOLT, HYBRID    | Crane           | 50821     |
| 5962-9956501HTA                         | MOR286R3DW/883                      | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-6.3 VOLT, HYBRID    | Crane           | 50821     |
| 5962-9956501HXA                         | MOR286R3D/883                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-6.3 VOLT, HYBRID    | Crane           | 50821     |
| 5962-9956501HZC                         | MOR286R3DZ/883                      | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-6.3 VOLT, HYBRID    | Crane           | 50821     |
| 5962-9956501HUA                         | MOR286R3DV/883                      | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-6.3 VOLT, HYBRID    | Crane           | 50821     |
| 5962-9956601HXA                         | MOR289R5D/883                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-9.5 VOLT, HYBRID    | Crane           | 50821     |
| 5962-9956601HZC                         | MOR289R5DZ/883                      | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-9.5 VOLT, HYBRID    | Crane           | 50821     |
| 5962-9956601HZA                         | MOR289R5DZ/883                      | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-9.5 VOLT, HYBRID    | Crane           | 50821     |
| 5962-9956601HYC                         | MOR289R5DY/883                      | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-9.5 VOLT, HYBRID    | Crane           | 50821     |
| 5962-9956601HYA                         | MOR289R5DY/883                      | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-9.5 VOLT, HYBRID    | Crane           | 50821     |
| 5962-9956601HTC                         | MOR289R5DW/883                      | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-9.5 VOLT, HYBRID    | Crane           | 50821     |
| 5962-9956601HTA                         | MOR289R5DW/883                      | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-9.5 VOLT, HYBRID    | Crane           | 50821     |
| 5962-9956601HUC                         | MOR289R5DV/883                      | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-9.5 VOLT, HYBRID    | Crane           | 50821     |
| 5962-9956601HXC                         | MOR289R5D/883                       | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-9.5 VOLT, HYBRID    | Crane           | 50821     |
| 5962-9956601HUA                         | MOR289R5DV/883                      | 1          | DC/DC CONVERTER, DUAL CHANNEL, +/-9.5 VOLT, HYBRID    | Crane           | 50821     |
| 5962-9960801HZC                         | AFL12005SZ/CH                       | 1          | DC/DC CONVERTER, 80 W, 5 V OUTPUT, HYBRID             | IR Santa Clara  | 52467     |
| 5962-9960801HUA                         | AFL12005SW/CH                       | 1          | DC/DC CONVERTER, 80 W, 5 V OUTPUT, HYBRID             | IR Santa Clara  | 52467     |
| 5962-9960801HUC                         | AFL12005SW/CH                       | 1          | DC/DC CONVERTER, 80 W, 5 V OUTPUT, HYBRID             | IR Santa Clara  | 52467     |
| 5962-9960801HXA                         | AFL12005SX/CH                       | 1          | DC/DC CONVERTER, 80 W, 5 V OUTPUT, HYBRID             | IR Santa Clara  | 52467     |
| 5962-9960801HXC                         | AFL12005SX/CH                       | 1          | DC/DC CONVERTER, 80 W, 5 V OUTPUT, HYBRID             | IR Santa Clara  | 52467     |
| 5962-9960801HYA                         | AFL12005SY/CH                       | 1          | DC/DC CONVERTER, 80 W, 5 V OUTPUT, HYBRID             | IR Santa Clara  | 52467     |
| 5962-9960801HYC                         | AFL12005SY/CH                       | 1          | DC/DC CONVERTER, 80 W, 5 V OUTPUT, HYBRID             | IR Santa Clara  | 52467     |
| 5962-9960801HZA                         | AFL12005SZ/CH                       | 1          | DC/DC CONVERTER, 80 W, 5 V OUTPUT, HYBRID             | IR Santa Clara  | 52467     |
| 5962-9960901HUC                         | AFL12012DW/CH                       | 1          | DC/DC CONVERTER, 96 W, +/- 12 V OUTPUTS, HYBRID       | IR Santa Clara  | 52467     |
| 5962-9960901HXA                         | AFL12012DX/CH                       | 1          | DC/DC CONVERTER, 96 W, +/- 12 V OUTPUTS, HYBRID       | IR Santa Clara  | 52467     |
| 5962-9960901HXC                         | AFL12012DX/CH                       | 1          | DC/DC CONVERTER, 96 W, +/- 12 V OUTPUTS, HYBRID       | IR Santa Clara  | 52467     |
| 5962-9960901HYA                         | AFL12012DY/CH                       | 1          | DC/DC CONVERTER, 96 W, +/- 12 V OUTPUTS, HYBRID       | IR Santa Clara  | 52467     |
| 5962-9960901HYC                         | AFL12012DY/CH                       | 1          | DC/DC CONVERTER, 96 W, +/- 12 V OUTPUTS, HYBRID       | IR Santa Clara  | 52467     |
| 5962-9960901HZA                         | AFL12012DZ/CH                       | 1          | DC/DC CONVERTER, 96 W, +/- 12 V OUTPUTS, HYBRID       | IR Santa Clara  | 52467     |
| 5962-9960901HZC                         | AFL12012DZ/CH                       | 1          | DC/DC CONVERTER, 96 W, +/- 12 V OUTPUTS, HYBRID       | IR Santa Clara  | 52467     |
| 5962-9960901HUA                         | AFL12012DW/CH                       | 1          | DC/DC CONVERTER, 96 W, +/- 12 V OUTPUTS, HYBRID       | IR Santa Clara  | 52467     |
| 5962-9961001HXA                         | AD10200TZ/QMLH                      | 1 (1.5)    | HYBRID, A/D CONVERTER, 12-BIT, DUAL CHANNEL, 105 MSPS | Analog          | 34031     |
| 5962-9961002HXA                         | AD10200BZ/QMLH                      | 1 (1.5)    | HYBRID, A/D CONVERTER, 12-BIT, DUAL CHANNEL, 105 MSPS | Analog          | 34031     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |   |                 |           |
|---|-------------------------------------|------------|---|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                      | Approved Source | CAGE Code |
| 5962-9961201HUC                         | SDP117UHG                           | 1          | VOLT. REGULATOR, ADJ., POSITIVE               | Solitron        | 21845     |
| 5962-9961201HUA                         | SDP117UHD                           | 1          | VOLT. REGULATOR, ADJ., POSITIVE               | Solitron        | 21845     |
| 5962-9961201HTC                         | SDP117THG                           | 1          | VOLT. REGULATOR, ADJ., POSITIVE               | Solitron        | 21845     |
| 5962-9961201HTA                         | SDP117THD                           | 1          | VOLT. REGULATOR, ADJ., POSITIVE               | Solitron        | 21845     |
| 5962-9961201HNC                         | SDP117NHG                           | 1          | VOLT. REGULATOR, ADJ., POSITIVE               | Solitron        | 21845     |
| 5962-9961201HNA                         | SDP117NHD                           | 1          | VOLT. REGULATOR, ADJ., POSITIVE               | Solitron        | 21845     |
| 5962-9961201HZA                         | SDP117ZHD                           | 1          | VOLT. REGULATOR, ADJ., POSITIVE               | Solitron        | 21845     |
| 5962-9961201HZC                         | SDP117ZHG                           | 1          | VOLT. REGULATOR, ADJ., POSITIVE               | Solitron        | 21845     |
| 5962-9961202HZC                         | SDP117HVZHG                         | 1          | VOLT. REGULATOR, ADJ., POSITIVE, HIGH VOLTAGE | Solitron        | 21845     |
| 5962-9961202HNA                         | SDP117HVNHD                         | 1          | VOLT. REGULATOR, ADJ., POSITIVE, HIGH VOLTAGE | Solitron        | 21845     |
| 5962-9961202HNC                         | SDP117HVNHG                         | 1          | VOLT. REGULATOR, ADJ., POSITIVE, HIGH VOLTAGE | Solitron        | 21845     |
| 5962-9961202HTA                         | SDP117HVTHD                         | 1          | VOLT. REGULATOR, ADJ., POSITIVE, HIGH VOLTAGE | Solitron        | 21845     |
| 5962-9961202HTC                         | SDP117HVTHG                         | 1          | VOLT. REGULATOR, ADJ., POSITIVE, HIGH VOLTAGE | Solitron        | 21845     |
| 5962-9961202HUA                         | SDP117HVUHD                         | 1          | VOLT. REGULATOR, ADJ., POSITIVE, HIGH VOLTAGE | Solitron        | 21845     |
| 5962-9961202HZA                         | SDP117HVZHD                         | 1          | VOLT. REGULATOR, ADJ., POSITIVE, HIGH VOLTAGE | Solitron        | 21845     |
| 5962-9961202HUC                         | SDP117HVUHG                         | 1          | VOLT. REGULATOR, ADJ., POSITIVE, HIGH VOLTAGE | Solitron        | 21845     |
| 5962-9961203HUC                         | SDP137UHG                           | 1          | VOLT. REGULATOR, ADJ., NEGATIVE               | Solitron        | 21845     |
| 5962-9961203HZA                         | SDP137ZHD                           | 1          | VOLT. REGULATOR, ADJ., NEGATIVE               | Solitron        | 21845     |
| 5962-9961203HNA                         | SDP137NHD                           | 1          | VOLT. REGULATOR, ADJ., NEGATIVE               | Solitron        | 21845     |
| 5962-9961203HNC                         | SDP137NHG                           | 1          | VOLT. REGULATOR, ADJ., NEGATIVE               | Solitron        | 21845     |
| 5962-9961203HTA                         | SDP137THD                           | 1          | VOLT. REGULATOR, ADJ., NEGATIVE               | Solitron        | 21845     |
| 5962-9961203HTC                         | SDP137THG                           | 1          | VOLT. REGULATOR, ADJ., NEGATIVE               | Solitron        | 21845     |
| 5962-9961203HZC                         | SDP137ZHG                           | 1          | VOLT. REGULATOR, ADJ., NEGATIVE               | Solitron        | 21845     |
| 5962-9961203HUA                         | SDP137UHD                           | 1          | VOLT. REGULATOR, ADJ., NEGATIVE               | Solitron        | 21845     |
| 5962-9961204HNA                         | SDP137HVNHD                         | 1          | VOLT. REGULATOR, ADJ., NEGATIVE, HIGH VOLTAGE | Solitron        | 21845     |
| 5962-9961204HZA                         | SDP137HVZHG                         | 1          | VOLT. REGULATOR, ADJ., NEGATIVE, HIGH VOLTAGE | Solitron        | 21845     |
| 5962-9961204HUC                         | SDP137HVUHG                         | 1          | VOLT. REGULATOR, ADJ., NEGATIVE, HIGH VOLTAGE | Solitron        | 21845     |
| 5962-9961204HUA                         | SDP137HVUHD                         | 1          | VOLT. REGULATOR, ADJ., NEGATIVE, HIGH VOLTAGE | Solitron        | 21845     |
| 5962-9961204HTC                         | SDP137HVTHG                         | 1          | VOLT. REGULATOR, ADJ., NEGATIVE, HIGH VOLTAGE | Solitron        | 21845     |
| 5962-9961204HTA                         | SDP137HVTHD                         | 1          | VOLT. REGULATOR, ADJ., NEGATIVE, HIGH VOLTAGE | Solitron        | 21845     |
| 5962-9961204HZA                         | SDP137HVZHD                         | 1          | VOLT. REGULATOR, ADJ., NEGATIVE, HIGH VOLTAGE | Solitron        | 21845     |
| 5962-9961204HNC                         | SDP137HVNHG                         | 1          | VOLT. REGULATOR, ADJ., NEGATIVE, HIGH VOLTAGE | Solitron        | 21845     |
| 5962-9961301HTA                         | SDP7812ATHD                         | 1          | VOLT. REGULATOR, FIXED, POSITIVE, 1.0A        | Solitron        | 21845     |
| 5962-9961301HTC                         | SDP7812ATHG                         | 1          | VOLT. REGULATOR, FIXED, POSITIVE, 1.0A        | Solitron        | 21845     |
| 5962-9961301HUA                         | SDP7812AUHD                         | 1          | VOLT. REGULATOR, FIXED, POSITIVE, 1.0A        | Solitron        | 21845     |
| 5962-9961301HUC                         | SDP7812AUHG                         | 1          | VOLT. REGULATOR, FIXED, POSITIVE, 1.0A        | Solitron        | 21845     |
| 5962-9961301HNA                         | SDP7812ANHD                         | 1          | VOLT. REGULATOR, FIXED, POSITIVE, 1.0A        | Solitron        | 21845     |
| 5962-9961301HZA                         | SDP7812AZHD                         | 1          | VOLT. REGULATOR, FIXED, POSITIVE, 1.0A        | Solitron        | 21845     |
| 5962-9961301HZC                         | SDP7812AZHG                         | 1          | VOLT. REGULATOR, FIXED, POSITIVE, 1.0A        | Solitron        | 21845     |
| 5962-9961301HNC                         | SDP7812ANHG                         | 1          | VOLT. REGULATOR, FIXED, POSITIVE, 1.0A        | Solitron        | 21845     |
| 5962-9961401HUC                         | SDP7912AUHG                         | 1          | VOLT. REGULATOR, FIXED, NEGATIVE, -12V, 1.0A  | Solitron        | 21845     |
| 5962-9961401HTA                         | SDP7912ATHD                         | 1          | VOLT. REGULATOR, FIXED, NEGATIVE, -12V, 1.0A  | Solitron        | 21845     |
| 5962-9961401HUA                         | SDP7912AUHD                         | 1          | VOLT. REGULATOR, FIXED, NEGATIVE, -12V, 1.0A  | Solitron        | 21845     |
| 5962-9961401HNA                         | SDP7912ANHD                         | 1          | VOLT. REGULATOR, FIXED, NEGATIVE, -12V, 1.0A  | Solitron        | 21845     |
| 5962-9961401HZA                         | SDP7912AZHD                         | 1          | VOLT. REGULATOR, FIXED, NEGATIVE, -12V, 1.0A  | Solitron        | 21845     |
| 5962-9961401HZC                         | SDP7912AZHG                         | 1          | VOLT. REGULATOR, FIXED, NEGATIVE, -12V, 1.0A  | Solitron        | 21845     |
| 5962-9961401HNC                         | SDP7912ANHG                         | 1          | VOLT. REGULATOR, FIXED, NEGATIVE, -12V, 1.0A  | Solitron        | 21845     |

Standardized Microcircuit Drawing (SMD) Approved Source Master Product Listing

PRODUCT ELIGIBILITY: The manufacturers listed in table 1 have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-PRF-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-PRF-38534 requirements.

DLA Land and Maritime - VQ

Sourcing and Qualification Division, Hybrid Devices Team, DSCC-VQH

Approved Source Master Product Listing

| Sorted by Standard Microcircuit Drawing |                                     |            |  |                 |           |
|---|-------------------------------------|------------|--|-----------------|-----------|
| Standard Microcircuit Drawing           | Manufacturer Similar Part Number /4 | ESDS Class | Product Type/Description                             | Approved Source | CAGE Code |
| 5962-9961401HTC                         | SDP7912ATHG                         | 1          | VOLT. REGULATOR, FIXED, NEGATIVE, -12V, 1.0A         | Solitron        | 21845     |
| 5962-9961601HXA                         | AD10465BZ/QMLH                      | 1 (1.5)    | A/D CONVERTER, 14-BIT, DUAL CHANNEL, 65 MSPS, HYBRID | Analog          | 34031     |