



QUALIFICATIONS VALIDATED  
EVERY TWO YEARS

QPL-83513-54  
13-Jun-06  
SUPERSEDING  
QPL-83513-53  
17-May-06

QUALIFIED PRODUCTS LIST  
OF  
PRODUCTS QUALIFIED UNDER MILITARY DETAIL SPECIFICATION  
MIL-DTL-83513  
CONNECTORS, ELECTRICAL, RECTANGULAR, MICROMINIATURE, POLARIZED SHELL,  
GENERAL SPECIFICATION FOR

This list has been prepared for use by or for the Government in the acquisition of products covered by Specification MIL-DTL-83513. Listing of a product is not intended to and does not connote endorsement of the product by the Department of Defense. All products listed herein have been qualified under the requirements for the product as specified in the latest effective issue of the applicable specification. This list is subject to change without notice; revision or amendment of this list will be issued as necessary. The listing of a product does not release the supplier from compliance with the specification requirements.

THE ACTIVITY RESPONSIBLE FOR THIS QPL IS THE DEFENSE SUPPLY CENTER COLUMBUS (DSCC-VQ), COLUMBUS, OH 43218-3990.

|   | SPECIFI-<br>CATION<br>SHEET | SUPPLIER'S NAME<br>(ADDRESS ON LAST PAGE) |
|---|-----------------------------|---|
| GOVERNMENT DESIGNATION: M83513/01-( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-286-86<br>MANUFACTURER DESIGNATION: MM-(2,3,4)1(2,3,5)-(009 thru 100)-113-0000<br>INSERT ARRANGEMENT: A, B, C, D, E, F, G, H<br>SHELL FINISH: C, N, P                                 | /1                          | Airborn, Inc.                             |
| GOVERNMENT DESIGNATION: M83513/01-( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-332-90<br>MANUFACTURER DESIGNATION: 100R ( ) ( ) P-B (09 thru 100)<br>INSERT ARRANGEMENT: A, B, C, D, E, F, G, H<br>SHELL FINISH: C, N  | /1                          | Amphenol Phoenix Interconnect             |
| GOVERNMENT DESIGNATION: M83513/01-( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-1241-05<br>MANUFACTURER DESIGNATION: MDA1100PFSB, MDA2100PFSB, MDAS100PFSB<br>INSERT ARRANGEMENT: A, B, C, D, E, F, G, H<br>SHELL FINISH: C, N, P                                     | /1                          | Axon Cable, Inc.                          |
| GOVERNMENT DESIGNATION: M83513/01-( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-761-87<br>MANUFACTURER DESIGNATION: 288-(25)- (10 thru 90, 00)-001<br>INSERT ARRANGEMENT: A, B, C, D, E, F, G, H<br>SHELL FINISH: C, N  | /1                          | Cinch Connectors, Inc.                    |
| GOVERNMENT DESIGNATION: M83513/01-( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-332-90<br>MANUFACTURER DESIGNATION: CIM01-(A thru H) (C, N)<br>INSERT ARRANGEMENT: A, B, C, D, E, F, G, H<br>SHELL FINISH: C, N   | /1                          | Cristek Intereconnects, Inc.              |
| GOVERNMENT DESIGNATION: M83513/01-( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-361-89, 83513-120-92, 83513-488-03<br>MANUFACTURER DESIGNATION: MWDM(1-3)-01(A-H)-PSC<br>INSERT ARRANGEMENT: A, B, C, D, E, F, G, H<br>SHELL FINISH: C, N, P                          | /1                          | Glenair                                   |
| GOVERNMENT DESIGNATION: M83513/01-( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-387-86, 83513-143-91, 83513-144-91<br>MANUFACTURER DESIGNATION: MDM ( )01-( ) ( ) ( , V) (A9 thru H100) ( , A174)<br>INSERT ARRANGEMENT: A, B, C, D, E, F, G, H<br>SHELL FINISH: C, N | /1                          | ITT Cannon                                |

|   | SPECIFICATION SHEET | SUPPLIER'S NAME (ADDRESS ON LAST PAGE) |
|---|---------------------|--|
| GOVERNMENT DESIGNATION: M83513/01-( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-389-86, 83513-310-89, 83513-313-90<br>MANUFACTURER DESIGNATION: 094-7 (1 thru 9) 04-(0000, 0020)<br>INSERT ARRANGEMENT: A, B, C, D, E, F, G, H<br>SHELL FINISH: C, N                | /1                  | Tyco Electronics                       |
| GOVERNMENT DESIGNATION: M83513/02-( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-286-86<br>MANUFACTURER DESIGNATION: MM-(2,3,4)1(2,3,5)-(009 thru 100)-213-0000-900<br>INSERT ARRANGEMENT: A, B, C, D, E, F, G, H<br>SHELL FINISH: C, N, P                           | /2                  | Airborn, Inc.                          |
| GOVERNMENT DESIGNATION: M83513/02-( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-53-95<br>MANUFACTURER DESIGNATION: 100R( ) ( )S-B(09 thru 100)<br>INSERT ARRANGEMENT: A, B, C, D, E, F, G, H<br>SHELL FINISH: C, N  | /2                  | Amphenol Phoenix Interconnect          |
| GOVERNMENT DESIGNATION: M83513/02-( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-1241-05<br>MANUFACTURER DESIGNATION: MDA1100SFSB, MDA2100SFSB, MDAS100SFSB<br>INSERT ARRANGEMENT: A, B, C, D, E, F, G, H<br>SHELL FINISH: C, N, P                                   | /2                  | Axon Cable, Inc.                       |
| GOVERNMENT DESIGNATION: M83513/02-( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-761-87<br>MANUFACTURER DESIGNATION: 289-(25)-(10 thru 90, 00)-001<br>INSERT ARRANGEMENT: A, B, C, D, E, F, G, H<br>SHELL FINISH: C, N   | /2                  | Cinch Connectors, Inc.                 |
| GOVERNMENT DESIGNATION: M83513/02-( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-332-90<br>MANUFACTURER DESIGNATION: CIM02-(A thru H) (C,N)<br>INSERT ARRANGEMENT: A, B, C, D, E, F, G, H<br>SHELL FINISH: C, N  | /2                  | Cristek Intereconnects, Inc.           |
| GOVERNMENT DESIGNATION: M83513/02-( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-361-89, 83513-120-92, 83513-488-03<br>MANUFACTURER DESIGNATION: MWDM(1-3)-02(A-H)-SSC<br>INSERT ARRANGEMENT: A, B, C, D, E, F, G, H<br>SHELL FINISH: C, N, P                        | /2                  | Glenair                                |
| GOVERNMENT DESIGNATION: M83513/02-( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-387-86, 83513-143-91, 83513-144-91<br>MANUFACTURER DESIGNATION: MDM ( )02-( ) ( ) ( ,V) (A9 thru H100) ( ,A174)<br>INSERT ARRANGEMENT: A, B, C, D, E, F, G, H<br>SHELL FINISH: C, N | /2                  | ITT Cannon                             |
| GOVERNMENT DESIGNATION: M83513/02-( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-388-86, 83513-432-89<br>MANUFACTURER DESIGNATION: M83513/02-( ) ( )<br>INSERT ARRANGEMENT: A, B, C, D, E, F, G, H<br>SHELL FINISH: C, N   | /2                  | Min-E-Con                              |
| GOVERNMENT DESIGNATION: M83513/02-( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-389-86, 83513-310-89, 83513-313-90<br>MANUFACTURER DESIGNATION: 094-7(1 thru 9) 06-(0000, 0020)<br>INSERT ARRANGEMENT: A, B, C, D, E, F, G, H<br>SHELL FINISH: C, N                 | /2                  | Tyco Electronics                       |

|   | SPECIFICATION SHEET | SUPPLIER'S NAME (ADDRESS ON LAST PAGE) |
|---|---------------------|--|
| GOVERNMENT DESIGNATION: M83513/03-( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-286-86<br>MANUFACTURER DESIGNATION: MM-(2,3,4)1(2,3,5)-(009 THRU 100)-1(43,45,53,55,61)-00(V1,V2,W1,W2,Y1,Y2,Y3,Y4,Y5,Y6,Y7,Y8,00)<br>INSERT ARRANGEMENT: A, B, C, D, E, F, G, H<br>SHELL FINISH: C, N, P<br>WIRE TYPE: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16 | /3                  | Airborn, Inc.                          |
| GOVERNMENT DESIGNATION: M83513/03-( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-332-90<br>MANUFACTURER DESIGNATION: 100R( ) ( )P-( ) ( ) ( )B (09 thru 100)<br>INSERT ARRANGEMENT: A, B, C, D, E, F, G, H<br>SHELL FINISH: C, N<br>WIRE TYPE: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16   | /3                  | Amphenol Phoenix Interconnect          |
| GOVERNMENT DESIGNATION: M83513/03-( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-1241-05<br>MANUFACTURER DESIGNATION: MDA1100P4L46B, MDA2100PEL46B, MDAS100SP4L46B, MDA1100PG1.27B<br>INSERT ARRANGEMENT: A, B, C, D, E, F, G, H<br>SHELL FINISH: C, N, P  | /3                  | Axon Cable, Inc.                       |
| GOVERNMENT DESIGNATION: M83513/03-( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-761-87<br>MANUFACTURER DESIGNATION: 288-(11,15,25)-(10 thru 90,00)-(002 thru 017)<br>INSERT ARRANGEMENT: A, B, C, D, E, F, G, H<br>SHELL FINISH: C, N<br>WIRE TYPE: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16   | /3                  | Cinch Connectors, Inc.                 |
| GOVERNMENT DESIGNATION: M83513/03-( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-332-90<br>MANUFACTURER DESIGNATION: CIM03-(A thru H) (01 thru 16) (C,N)<br>INSERT ARRANGEMENT: A, B, C, D, E, F, G, H<br>SHELL FINISH: C, N<br>WIRE TYPE: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16   | /3                  | Cristek Intereconnects, Inc.           |
| GOVERNMENT DESIGNATION: M83513/03-( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-361-89, 83513-120-92, 83513-488-03<br>MANUFACTURER DESIGNATION: MWDM(1-3)-03(A-H)-(01-16)P(18,36,72,05,10)(W,C,G,T,)<br>INSERT ARRANGEMENT: A, B, C, D, E, F, G, H<br>SHELL FINISH: C, N, P<br>WIRE TYPE: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16               | /3                  | Glenair                                |
| GOVERNMENT DESIGNATION: M83513/03-( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-841-04<br>MANUFACTURER DESIGNATION: HMM03-(HC)(HN)(HP)<br>INSERT ARRANGEMENT: A, B, C, D, E, F, G, H<br>SHELL FINISH: C, N, P<br>WIRE TYPE: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16   | /3                  | HiRel Connectors, Inc.                 |
| GOVERNMENT DESIGNATION: M83513/03-( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-143-91, 83513-144-91<br>MANUFACTURER DESIGNATION: MDM( )03-( ) ( ) ( ,V) (A9 thru H100)-(01 thru 06)( ,A174)<br>INSERT ARRANGEMENT: A, B, C, D, E, F, G, H<br>SHELL FINISH: C, N<br>WIRE TYPE: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16                          | /3                  | ITT Cannon                             |
| GOVERNMENT DESIGNATION: M83513/03-( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-388-86, 83513-432-89<br>MANUFACTURER DESIGNATION: M83513/03-( ) ( )<br>INSERT ARRANGEMENT: A, B, C, D, E, F, G, H<br>SHELL FINISH: C, N<br>WIRE TYPE: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16   | /3                  | Min-E-Con                              |

|  | SPECIFICATION SHEET | SUPPLIER'S NAME (ADDRESS ON LAST PAGE) |
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| <p>GOVERNMENT DESIGNATION: M83513/03-( ) ( ) ( )</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-389-86, 83513-310-89, 83513-313-90</p> <p>MANUFACTURER DESIGNATION: 094-8(1 thru 9) 04-00(0,2) (1 thru 8)</p> <p>INSERT ARRANGEMENT: A, B, C, D, E, F, G, H</p> <p>SHELL FINISH: C, N</p> <p>WIRE TYPE: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16</p>                                 | /3                  | Tyco Electronics                       |
| <p>GOVERNMENT DESIGNATION: M83513/04-( ) ( ) ( )</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-286-86</p> <p>MANUFACTURER DESIGNATION: MM-(2,3,4)1(2,3,5)-(009 THRU 100)-1(43,45,53,55,61)-00(V1,V2,W1,W2,Y1,Y2,Y3,Y4,Y5,Y6,Y7,Y8,00)</p> <p>INSERT ARRANGEMENT: A, B, C, D, E, F, G, H</p> <p>SHELL FINISH: C, N, P</p> <p>WIRE TYPE: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16</p> | /4                  | Airborn, Inc.                          |
| <p>GOVERNMENT DESIGNATION: M83513/04-( ) ( ) ( )</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-53-95</p> <p>MANUFACTURER DESIGNATION: 100R( ) ( ) S-( ) ( ) ( ) B (09 thru 100)</p> <p>INSERT ARRANGEMENT: A, B, C, D, E, F, G, H</p> <p>SHELL FINISH: C, N</p> <p>WIRE TYPE: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16</p>  | /4                  | Amphenol Phoenix Interconnect          |
| <p>GOVERNMENT DESIGNATION: M83513/04-( ) ( ) ( )</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-1241-05</p> <p>MANUFACTURER DESIGNATION: MDA1100S4L46B, MDA2100SEL46B, MDAS100S4L46B</p> <p>INSERT ARRANGEMENT: A, B, C, D, E, F, G, H</p> <p>SHELL FINISH: C, N, P</p>   | /4                  | Axon Cable, Inc.                       |
| <p>GOVERNMENT DESIGNATION: M83513/04-( ) ( ) ( )</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-761-87</p> <p>MANUFACTURER DESIGNATION: 289-(11,15,25)-(10 thru 90,00)-(002 thru 017)</p> <p>INSERT ARRANGEMENT: A, B, C, D, E, F, G, H</p> <p>SHELL FINISH: C, N</p> <p>WIRE TYPE: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16</p>   | /4                  | Cinch Connectors, Inc.                 |
| <p>GOVERNMENT DESIGNATION: M83513/04-( ) ( ) ( )</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-332-90</p> <p>MANUFACTURER DESIGNATION: CIM04-(A thru H) (01 thru 16) (C,N)</p> <p>INSERT ARRANGEMENT: A, B, C, D, E, F, G, H</p> <p>SHELL FINISH: C, N</p> <p>WIRE TYPE: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16</p>   | /4                  | Cristek Intereconnects, Inc.           |
| <p>GOVERNMENT DESIGNATION: M83513/04-( ) ( ) ( )</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-361-89, 83513-120-92, 83513-488-03</p> <p>MANUFACTURER DESIGNATION: MWDM(1-3)-04(A-H)-(01-16)S(18,36,72,05,10)(W,C,G,T,)</p> <p>INSERT ARRANGEMENT: A, B, C, D, E, F, G, H</p> <p>SHELL FINISH: C, N, P</p> <p>WIRE TYPE: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16</p>               | /4                  | Glenair                                |
| <p>GOVERNMENT DESIGNATION: M83513/04-( ) ( ) ( )</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-841-04</p> <p>MANUFACTURER DESIGNATION: HMM04-(HC)(HN)(HP)</p> <p>INSERT ARRANGEMENT: A, B, C, D, E, F, G, H</p> <p>SHELL FINISH: C, N, P</p> <p>WIRE TYPE: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16</p>   | /4                  | HiRel Connectors, Inc.                 |
| <p>GOVERNMENT DESIGNATION: M83513/04-( ) ( ) ( )</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-143-91, 83513-144-91</p> <p>MANUFACTURER DESIGNATION: MDM( )04-( ) ( ) ( ) (V) (A9 thru H100)-(01 thru 06)( ,A174)</p> <p>INSERT ARRANGEMENT: A, B, C, D, E, F, G, H</p> <p>SHELL FINISH: C, N</p> <p>WIRE TYPE: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16</p>                        | /4                  | ITT Cannon                             |

|   | SPECIFICATION SHEET | SUPPLIER'S NAME (ADDRESS ON LAST PAGE) |
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| GOVERNMENT DESIGNATION: M83513/04-( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-388-86, 83513-432-89<br>MANUFACTURER DESIGNATION: M83513/04-( ) ( )<br>INSERT ARRANGEMENT: A, B, C, D, E, F, G, H<br>SHELL FINISH: C, N<br>WIRE TYPE: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16                                   | /4                  | Min-E-Con                              |
| GOVERNMENT DESIGNATION: M83513/04-( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-389-86, 83513-310-89, 83513-313-90<br>MANUFACTURER DESIGNATION: 094-8(1 thru 9) 06-00(0,2) (1 thru 8)<br>INSERT ARRANGEMENT: A, B, C, D, E, F, G, H<br>SHELL FINISH: C, N<br>WIRE TYPE: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16 | /4                  | Tyco Electronics                       |
| GOVERNMENT DESIGNATION: M83513/05-( )<br>TEST OR QUALIFICATION REFERENCE: 83513-286-86<br>MANUFACTURER DESIGNATION: 00-000-000-000-(22,41,42,43,44,62,81,82,83,84)00<br>02,03,05,06,07,12,13,15,17<br>WIRE TYPE: 2, 3, 5, 6, 7, 12, 13, 15, 16, 17  | /5                  | Airborn, Inc.                          |
| GOVERNMENT DESIGNATION: M83513/05-( )<br>TEST OR QUALIFICATION REFERENCE: 83513-53-95<br>MANUFACTURER DESIGNATION: PI83513/05-( ), 02, 03, 05, 06, 07, 12, 13, 15<br>INSERT ARRANGEMENT: A, B, C, D, E, F, G, H<br>WIRE TYPE: 2, 3, 5, 6, 7, 12, 13, 15, 16, 17   | /5                  | Amphenol Phoenix Interconnect          |
| GOVERNMENT DESIGNATION: M83513/05-( )<br>TEST OR QUALIFICATION REFERENCE: 83513-761-87<br>MANUFACTURER DESIGNATION: 289-00-00-(001,003,005,011,012,013,014,015,016,017<br>WIRE TYPE: 2, 3, 5, 6, 7, 13, 15, 16, 17  | /5                  | Cinch Connectors, Inc.                 |
| GOVERNMENT DESIGNATION: M83513/05-( )<br>TEST OR QUALIFICATION REFERENCE: 83513-332-90<br>MANUFACTURER DESIGNATION: CIM05-(02, 03, 05, 06, 07, 13, 15, 16, 17)<br>INSERT ARRANGEMENT: A, B, C, D, E, F, G, H<br>WIRE TYPE: 2, 3, 5, 6, 7, 12, 13, 15, 16, 17  | /5                  | Cristek Intereconnects, Inc.           |
| GOVERNMENT DESIGNATION: M83513/05-( )<br>TEST OR QUALIFICATION REFERENCE: 83513-361-89<br>MANUFACTURER DESIGNATION: MWJS2-502-LPH, MWJS2-503-HPH, MWJS2-505-LPS,, MWJS2-506-HPS, MWJS4-512-LPH, MWJS4-513-LPH,, MWJS4-515-LPS, MWJS4-516-HPS, MWJS4-517-JPH<br>WIRE TYPE: 2, 3, 5, 6, 7, 12, 13, 15, 16, 17                       | /5                  | Glenair                                |
| GOVERNMENT DESIGNATION: M83513/05-( )<br>TEST OR QUALIFICATION REFERENCE: 83513-387-86, 83513-143-91, 83513-144-91<br>MANUFACTURER DESIGNATION: 026, 028, 025, 027, 022, 024, 021, 023, 320-9508-( ), 320-9505-030, 329-9505-033<br>WIRE TYPE: 2, 3, 5, 6, 7, 12, 13, 15, 16, 17  | /5                  | ITT Cannon                             |
| GOVERNMENT DESIGNATION: M83513/05-( )<br>TEST OR QUALIFICATION REFERENCE: 83513-388-86, 83513-432-89<br>MANUFACTURER DESIGNATION: M83513/05-( ) ( )<br>WIRE TYPE: 2, 3, 5, 6, 7, 12, 13, 15, 16, 17   | /5                  | Min-E-Con                              |
| GOVERNMENT DESIGNATION: M83513/05-( )<br>TEST OR QUALIFICATION REFERENCE: 83513-389-86, 83513-310-89, 83513-313-90<br>MANUFACTURER DESIGNATION: S96-0002-00 (89, 88, 87, 86, 85, 84, 91, 90, 60) or 5-1532137-(5, 6, 7, 8, 9), 6-1532137-(0, 1, 2, 3, 4)<br>WIRE TYPE: 2, 3, 5, 6, 7, 12, 13, 15, 16, 17                          | /5                  | Tyco Electronics                       |
| GOVERNMENT DESIGNATION: M83513/05-02<br>TEST OR QUALIFICATION REFERENCE: 83513-286-86<br>MANUFACTURER DESIGNATION: 500-002  | /5                  | Hi-Tech Swiss Engineering              |

|  | SPECIFICATION SHEET | SUPPLIER'S NAME (ADDRESS ON LAST PAGE) |
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| GOVERNMENT DESIGNATION: M83513/05-03<br>TEST OR QUALIFICATION REFERENCE: 83513-286-86<br>MANUFACTURER DESIGNATION: 500-003   | /5                  | Hi-Tech Swiss Engineering              |
| GOVERNMENT DESIGNATION: M83513/05-05<br>TEST OR QUALIFICATION REFERENCE: 83513-286-86<br>MANUFACTURER DESIGNATION: 500-005   | /5                  | Hi-Tech Swiss Engineering              |
| GOVERNMENT DESIGNATION: M83513/05-06<br>TEST OR QUALIFICATION REFERENCE: 83513-286-86<br>MANUFACTURER DESIGNATION: 500-006   | /5                  | Hi-Tech Swiss Engineering              |
| GOVERNMENT DESIGNATION: M83513/05-07<br>TEST OR QUALIFICATION REFERENCE: 83513-286-86<br>MANUFACTURER DESIGNATION: 500-007   | /5                  | Hi-Tech Swiss Engineering              |
| GOVERNMENT DESIGNATION: M83513/05-12<br>TEST OR QUALIFICATION REFERENCE: 83513-286-86<br>MANUFACTURER DESIGNATION: 500-012   | /5                  | Hi-Tech Swiss Engineering              |
| GOVERNMENT DESIGNATION: M83513/05-13<br>TEST OR QUALIFICATION REFERENCE: 83513-286-86<br>MANUFACTURER DESIGNATION: 500-013   | /5                  | Hi-Tech Swiss Engineering              |
| GOVERNMENT DESIGNATION: M83513/05-15<br>TEST OR QUALIFICATION REFERENCE: 83513-286-86<br>MANUFACTURER DESIGNATION: 500-015   | /5                  | Hi-Tech Swiss Engineering              |
| GOVERNMENT DESIGNATION: M83513/05-16<br>TEST OR QUALIFICATION REFERENCE: 83513-286-86<br>MANUFACTURER DESIGNATION: 500-016   | /5                  | Hi-Tech Swiss Engineering              |
| GOVERNMENT DESIGNATION: M83513/05-17<br>TEST OR QUALIFICATION REFERENCE: 83513-286-86<br>MANUFACTURER DESIGNATION: 500-017   | /5                  | Hi-Tech Swiss Engineering              |
| GOVERNMENT DESIGNATION: M83513/06-( )<br>TEST OR QUALIFICATION REFERENCE: 83513-286-86<br>MANUFACTURER DESIGNATION: MP-(2.3)1(1)-(009 thru 051)-113-0000 A thru G<br>INSERT ARRANGEMENT: A, B, C, D, E, F, G | /6                  | Airborn, Inc.                          |
| GOVERNMENT DESIGNATION: M83513/06-( )<br>TEST OR QUALIFICATION REFERENCE: 83513-53-95<br>MANUFACTURER DESIGNATION: 101R( )P-B (09 thru 51)<br>INSERT ARRANGEMENT: A, B, C, D, E, F, G                        | /6                  | Amphenol Phoenix Interconnect          |
| GOVERNMENT DESIGNATION: M83513/06-( )<br>TEST OR QUALIFICATION REFERENCE: 83513-1241-05<br>MANUFACTURER DESIGNATION: MDAL51PFSB<br>INSERT ARRANGEMENT: A, B, C, D, E, F, G<br>SHELL FINISH: C, N, P          | /6                  | Axon Cable, Inc.                       |
| GOVERNMENT DESIGNATION: M83513/06-( )<br>TEST OR QUALIFICATION REFERENCE: 83513-761-87<br>MANUFACTURER DESIGNATION: 288-05-(10 thru 90)-001<br>INSERT ARRANGEMENT: A, B, C, D, E, F, G                       | /6                  | Cinch Connectors, Inc.                 |
| GOVERNMENT DESIGNATION: M83513/06-( )<br>TEST OR QUALIFICATION REFERENCE: 83513-332-90<br>MANUFACTURER DESIGNATION: CIM06-(A thru H)<br>INSERT ARRANGEMENT: A, B, C, D, E, F, G                              | /6                  | Cristek Intereconnects, Inc.           |

|  | SPECIFICATION SHEET | SUPPLIER'S NAME (ADDRESS ON LAST PAGE) |
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| GOVERNMENT DESIGNATION: M83513/06-()<br>TEST OR QUALIFICATION REFERENCE: 83513-361-89<br>MANUFACTURER DESIGNATION: MWD-06(A thru G)-PSC<br>INSERT ARRANGEMENT: A, B, C, D, E, F, G   | /6                  | Glenair, Inc.                          |
| GOVERNMENT DESIGNATION: M83513/06-()<br>TEST OR QUALIFICATION REFERENCE: 83513-387-86, 83513-143-91, 83513-144-91<br>MANUFACTURER DESIGNATION: MD ( ) B06- ( ) ( , V) (A9 thru G51)<br>INSERT ARRANGEMENT: A, B, C, D, E, F, G | /6                  | ITT Cannon                             |
| GOVERNMENT DESIGNATION: M83513/06-()<br>TEST OR QUALIFICATION REFERENCE: 83513-387-86, 83513-143-91, 83513-144-91<br>MANUFACTURER DESIGNATION: MD ( ) B06- ( ) ( , V) (A9 thru A51)<br>INSERT ARRANGEMENT: A, B, C, D, E, F, G | /6                  | ITT Cannon                             |
| GOVERNMENT DESIGNATION: M83513/06-()<br>TEST OR QUALIFICATION REFERENCE: 83513-389-86, 83513-310-89, 83513-313-90<br>MANUFACTURER DESIGNATION: 095-06 (03, 05, 07, 09, 11, 13, 15)<br>INSERT ARRANGEMENT: A, B, C, D, E, F, G  | /6                  | Tyco Electronics                       |
| GOVERNMENT DESIGNATION: M83513/07-()<br>TEST OR QUALIFICATION REFERENCE: 83513-286-86<br>MANUFACTURER DESIGNATION: MP-(2.3)2(1)-(009 thru 051)-113-0000 A thru G<br>INSERT ARRANGEMENT: A, B, C, D, E, F, G                    | /7                  | Airborn, Inc.                          |
| GOVERNMENT DESIGNATION: M83513/07-()<br>TEST OR QUALIFICATION REFERENCE: 83513-53-95<br>MANUFACTURER DESIGNATION: 101R ( ) S-B (09 thru 51)<br>INSERT ARRANGEMENT: A, B, C, D, E, F, G   | /7                  | Amphenol Phoenix Interconnect          |
| GOVERNMENT DESIGNATION: M83513/07-()<br>TEST OR QUALIFICATION REFERENCE: 83513-1241-05<br>MANUFACTURER DESIGNATION: MDAL51SFSB<br>INSERT ARRANGEMENT: A, B, C, D, E, F, G  | /7                  | Axon Cable, Inc.                       |
| GOVERNMENT DESIGNATION: M83513/07-()<br>TEST OR QUALIFICATION REFERENCE: 83513-761-87<br>MANUFACTURER DESIGNATION: 289-05-(10 thru 90)-001<br>INSERT ARRANGEMENT: A, B, C, D, E, F, G  | /7                  | Cinch Connectors, Inc.                 |
| GOVERNMENT DESIGNATION: M83513/07-()<br>TEST OR QUALIFICATION REFERENCE: 83513-332-90<br>MANUFACTURER DESIGNATION: CIM07-(A thru H)<br>INSERT ARRANGEMENT: A, B, C, D, E, F, G   | /7                  | Cristek Intereconnects, Inc.           |
| GOVERNMENT DESIGNATION: M83513/07-()<br>TEST OR QUALIFICATION REFERENCE: 83513-361-89<br>MANUFACTURER DESIGNATION: MWD-07(A-G)-SSC<br>INSERT ARRANGEMENT: A, B, C, D, E, F, G  | /7                  | Glenair                                |
| GOVERNMENT DESIGNATION: M83513/07-()<br>TEST OR QUALIFICATION REFERENCE: 83513-387-86, 83513-143-91, 83513-144-91<br>MANUFACTURER DESIGNATION: MD ( ) B07- ( ) ( , V) (A9 thru G51)<br>INSERT ARRANGEMENT: A, B, C, D, E, F, G | /7                  | ITT Cannon                             |
| GOVERNMENT DESIGNATION: M83513/07-()<br>TEST OR QUALIFICATION REFERENCE: 83513-388-86, 83513-432-89<br>MANUFACTURER DESIGNATION: M83513/07- ( ) ( )<br>INSERT ARRANGEMENT: A, B, C, D, E, F, G                                 | /7                  | Min-E-Con                              |
| GOVERNMENT DESIGNATION: M83513/07-()<br>TEST OR QUALIFICATION REFERENCE: 83513-389-86, 83513-310-89, 83513-313-90<br>MANUFACTURER DESIGNATION: 095-06 (04, 06, 08, 10, 12, 14, 16.)<br>INSERT ARRANGEMENT: A, B, C, D, E, F, G | /7                  | Tyco Electronics                       |

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| GOVERNMENT DESIGNATION: M83513/08-( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-286-86<br>MANUFACTURER DESIGNATION: MP-(2,3)1(1)-(009 thru 051)-1(43,45,53,55,61)-00(V1,V2,W1,W2,Y1,Y2,Y3,Y4,Y5,Y6,Y7,Y8,00)<br>INSERT ARRANGEMENT: A, B, C, D, E, F, G<br>WIRE TYPE: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16 | /8                  | Airborn, Inc.                          |
| GOVERNMENT DESIGNATION: M83513/08-( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-53-95<br>MANUFACTURER DESIGNATION: 101R( ) P-( ) ( ) ( ) B (09 thru 51)<br>INSERT ARRANGEMENT: A, B, C, D, E, F, G<br>WIRE TYPE: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16  | /8                  | Amphenol Phoenix Interconnect          |
| GOVERNMENT DESIGNATION: M83513/08-( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-1241-05<br>MANUFACTURER DESIGNATION: MDAL51P4L46B<br>INSERT ARRANGEMENT: A, B, C, D, E, F, G<br>WIRE TYPE: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16  | /8                  | Axon Cable, Inc.                       |
| GOVERNMENT DESIGNATION: M83513/08-( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-761-87<br>MANUFACTURER DESIGNATION: 288-05-(10 thru 90)-(002 thru 017)<br>INSERT ARRANGEMENT: A, B, C, D, E, F, G<br>WIRE TYPE: , 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16   | /8                  | Cinch Connectors, Inc.                 |
| GOVERNMENT DESIGNATION: M83513/08-( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-332-90<br>MANUFACTURER DESIGNATION: CIM08-(A thru H) (01 thru 16)<br>INSERT ARRANGEMENT: A, B, C, D, E, F, G<br>WIRE TYPE: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16  | /8                  | Cristek Intereconnects, Inc.           |
| GOVERNMENT DESIGNATION: M83513/08-( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-361-89<br>MANUFACTURER DESIGNATION: MWD-08(A-G)-(01-16)P(18,36,72,05,10)(W,C,G,T)<br>INSERT ARRANGEMENT: A, B, C, D, E, F, G<br>WIRE TYPE: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16  | /8                  | Glenair                                |
| GOVERNMENT DESIGNATION: M83513/08-( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-143-91, 83513-144-91<br>MANUFACTURER DESIGNATION: MD ( ) B08-( ) ( , V) (A9 thru G51) (01 thru 06)<br>INSERT ARRANGEMENT: A, B, C, D, E, F, G<br>WIRE TYPE: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16                           | /8                  | ITT Cannon                             |
| GOVERNMENT DESIGNATION: M83513/08-( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-388-86, 83513-432-89<br>MANUFACTURER DESIGNATION: M83513/08-( ) ( )<br>INSERT ARRANGEMENT: A, B, C, D, E, F, G<br>WIRE TYPE: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16  | /8                  | Min-E-Con                              |
| GOVERNMENT DESIGNATION: M83513/08-( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-389-86, 83513-310-89, 83513-313-90<br>MANUFACTURER DESIGNATION: 095-06 (03, 05, 07, 09, 11, 13, 15)-203 (1 thru 8)<br>INSERT ARRANGEMENT: A, B, C, D, E, F, G<br>WIRE TYPE: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16           | /8                  | Tyco Electronics                       |
| GOVERNMENT DESIGNATION: M83513/09-( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-286-86<br>MANUFACTURER DESIGNATION: MP-(2,3)2(1)-(009 thru 051)-2(43,45,53,55,61)-00(V1,V2,W1,W2,Y1,Y2,Y3,Y4,Y5,Y6,Y7,Y8,00)<br>INSERT ARRANGEMENT: A, B, C, D, E, F, G<br>WIRE TYPE: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16 | /9                  | Airborn, Inc.                          |



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| GOVERNMENT DESIGNATION: M83513/09-()()<br>TEST OR QUALIFICATION REFERENCE: 83513-53-95<br>MANUFACTURER DESIGNATION: 101R()S-()()()B (09 thru 51)<br>INSERT ARRANGEMENT: A, B, C, D, E, F, G<br>WIRE TYPE: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16  | /9                  | Amphenol Phoenix Interconnect          |
| GOVERNMENT DESIGNATION: M83513/09-()()<br>TEST OR QUALIFICATION REFERENCE: 83513-1241-05<br>MANUFACTURER DESIGNATION: MDAL51S4L46B, MDAL51SG1.27B<br>INSERT ARRANGEMENT: A, B, C, D, E, F, G<br>WIRE TYPE: 1, 2, 3, 4, 5, 6, 7, 8  | /9                  | Axon Cable, Inc.                       |
| GOVERNMENT DESIGNATION: M83513/09-()()<br>TEST OR QUALIFICATION REFERENCE: 83513-761-87<br>MANUFACTURER DESIGNATION: 289-05-(10 thru 90) - (002 thru 017)<br>INSERT ARRANGEMENT: A, B, C, D, E, F, G<br>WIRE TYPE: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16   | /9                  | Cinch Connectors, Inc.                 |
| GOVERNMENT DESIGNATION: M83513/09-()()<br>TEST OR QUALIFICATION REFERENCE: 83513-332-90<br>MANUFACTURER DESIGNATION: CIM09- (A thru H) (01 thru 16)<br>INSERT ARRANGEMENT: A, B, C, D, E, F, G<br>WIRE TYPE: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16   | /9                  | Cristek Intereconnects, Inc.           |
| GOVERNMENT DESIGNATION: M83513/09-()()<br>TEST OR QUALIFICATION REFERENCE: 83513-361-89<br>MANUFACTURER DESIGNATION: MWD-09(A-G)-(01-16)S(18,36,72,05,10)(W,C,G,T)<br>INSERT ARRANGEMENT: A, B, C, D, E, F, G<br>WIRE TYPE: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16                                  | /9                  | Glenair                                |
| GOVERNMENT DESIGNATION: M83513/09-()()<br>TEST OR QUALIFICATION REFERENCE: 83513-143-91, 83513-144-91<br>MANUFACTURER DESIGNATION: MD()B09-()()V (A9 thru G51)-(01 thru 06)(,A174)<br>INSERT ARRANGEMENT: A, B, C, D, E, F, G<br>WIRE TYPE: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16                  | /9                  | ITT Cannon                             |
| GOVERNMENT DESIGNATION: M83513/09-()()<br>TEST OR QUALIFICATION REFERENCE: 83513-388-86, 83513-432-89<br>MANUFACTURER DESIGNATION: M83513/09-()()<br>INSERT ARRANGEMENT: A, B, C, D, E, F, G<br>WIRE TYPE: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16   | /9                  | Min-E-Con                              |
| GOVERNMENT DESIGNATION: M83513/09-()()<br>TEST OR QUALIFICATION REFERENCE: 83513-389-86, 83513-310-89, 83513-313-90<br>MANUFACTURER DESIGNATION: 095-06 (04, 06, 08, 10, 12, 14, 16)-203 (1 thru 8)<br>INSERT ARRANGEMENT: A, B, C, D, E, F, G<br>WIRE TYPE: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16 | /9                  | Tyco Electronics                       |
| GOVERNMENT DESIGNATION: M83513/10-()()()<br>TEST OR QUALIFICATION REFERENCE: 83513-286-86<br>MANUFACTURER DESIGNATION: MK-25(2,3,5)-(009 thru 037)-3(2,3,4)5-(00,22)0S(-0B7)<br>INSERT ARRANGEMENT: A, B, C, D, E, F<br>SHELL FINISH: C, N, P<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P, T, W            | /10                 | Airborn, Inc.                          |
| GOVERNMENT DESIGNATION: M83513/10-()()()<br>TEST OR QUALIFICATION REFERENCE: 83513-054-95<br>MANUFACTURER DESIGNATION: 100R()()PCBR()()<br>INSERT ARRANGEMENT: A, B, C, D, E, F<br>SHELL FINISH: C, N<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P  | /10                 | Amphenol Phoenix Interconnect          |

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| GOVERNMENT DESIGNATION: M83513/10-( ) ( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-006-95<br>MANUFACTURER DESIGNATION: 288-(61 thru 66)-(10 thru 80)-(0, 1, 2) (03)<br>INSERT ARRANGEMENT: A, B, C, D, E, F<br>SHELL FINISH: C, N<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P  | /10                 | Cinch Connectors, Inc.                    |
| GOVERNMENT DESIGNATION: M83513/10-( ) ( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-284-92<br>MANUFACTURER DESIGNATION: CM11 (A thru F) (01, 02, 03) (C, N) (N, P)<br>INSERT ARRANGEMENT: A, B, C, D, E, F<br>SHELL FINISH: C, N<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P  | /10                 | Cristek Intereconnects, Inc.              |
| GOVERNMENT DESIGNATION: M83513/10-( ) ( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-094-98, 83513-488-03<br>MANUFACTURER DESIGNATION: MWDM(1-3)-10(A-F)-(01-03)P(.109,.140,.172)(B,P,T,W)<br>INSERT ARRANGEMENT: A, B, C, D, E, F<br>SHELL FINISH: C, N, P<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P, T, W                | /10                 | Glenair                                   |
| GOVERNMENT DESIGNATION: M83513/10-( ) ( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-841-04<br>MANUFACTURER DESIGNATION: HMM10-(H03CP)(H03NP)(H03PP)<br>INSERT ARRANGEMENT: A, B, C, D, E, F<br>SHELL FINISH: C, N, P<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P, T, W  | /10                 | HiRel Connectors, Inc.                    |
| GOVERNMENT DESIGNATION: M83513/10-( ) ( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-69-93<br>MANUFACTURER DESIGNATION: MDM10 (B15 thru F37) (01, 02, 03) ( , A174P) (N, P)<br>INSERT ARRANGEMENT: A, B, C, D, E, F<br>SHELL FINISH: C, N<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P  | /10                 | ITT Cannon                                |
| GOVERNMENT DESIGNATION: M83513/10-( ) ( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-32-94<br>MANUFACTURER DESIGNATION: M83513/10-( ) ( ) ( )<br>INSERT ARRANGEMENT: A, B, C, D, E, F<br>SHELL FINISH: C, N<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P  | /10                 | Min-E-Con                                 |
| GOVERNMENT DESIGNATION: M83513/10-( ) ( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-031-98, 83513-313-90, 83513-310-89, 83513-389-86<br>MANUFACTURER DESIGNATION: 094-4 (1 thru 6) (14, 24)-(00, 70) (01, 02, 03)<br>INSERT ARRANGEMENT: A, B, C, D, E, F<br>SHELL FINISH: C, N<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P | /10                 | Tyco Electronics                          |

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| GOVERNMENT DESIGNATION: M83513/11-G-()()<br>TEST OR QUALIFICATION REFERENCE: 83513-286-86<br>MANUFACTURER DESIGNATION: MK-35(2,3,5)-051-3(2, 3, 4)5-(00,22)0S(-0B7)<br>SHELL FINISH: C, N, P<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P, T, W                        | /11                 | Airborn, Inc.                          |
| GOVERNMENT DESIGNATION: M83513/11-G-()()<br>TEST OR QUALIFICATION REFERENCE: 83513-054-93<br>MANUFACTURER DESIGNATION: 100R ( ) ( ) 51PCBR ( ) ( )<br>SHELL FINISH: C, N<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P  | /11                 | Amphenol Phoenix Interconnect          |
| GOVERNMENT DESIGNATION: M83513/11-G-()()<br>TEST OR QUALIFICATION REFERENCE: 83513-006-95<br>MANUFACTURER DESIGNATION: 288-(61 thru 66)-(90)-(0, 1, 2) (03)<br>SHELL FINISH: C, N<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P   | /11                 | Cinch Connectors, Inc.                 |
| GOVERNMENT DESIGNATION: M83513/11-G-()()<br>TEST OR QUALIFICATION REFERENCE: 83513-284-92<br>MANUFACTURER DESIGNATION: CM11G (01, 02, 03) (C, N) (N, P)<br>SHELL FINISH: C, N<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P   | /11                 | Cristek Intereconnects, Inc.           |
| GOVERNMENT DESIGNATION: M83513/11-G-()()<br>TEST OR QUALIFICATION REFERENCE: 83513-094-98, 83513-488-03<br>MANUFACTURER DESIGNATION: MWDM(1-3)-11G)-(01-03)P(.109,.140,.172)(B,P,T,W)<br>SHELL FINISH: C, N, P<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P, T, W      | /11                 | Glenair                                |
| GOVERNMENT DESIGNATION: M83513/11-G-()()<br>TEST OR QUALIFICATION REFERENCE: 83513-841-04<br>MANUFACTURER DESIGNATION: HMM11-(H03CP)(H03NP)(H03PP)<br>INSERT ARRANGEMENT: A, B, C, D, E, F<br>SHELL FINISH: C, N, P<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P, T, W | /11                 | HiRel Connectors, Inc.                 |
| GOVERNMENT DESIGNATION: M83513/11-G-()()<br>TEST OR QUALIFICATION REFERENCE: 83513-69-93<br>MANUFACTURER DESIGNATION: MDM11G51 (01, 02, 03) ( , A174P) (N, P)<br>SHELL FINISH: C, N<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P                                       | /11                 | ITT Cannon                             |
| GOVERNMENT DESIGNATION: M83513/11-G-()()<br>TEST OR QUALIFICATION REFERENCE: 83513-32-94<br>MANUFACTURER DESIGNATION: M83513/11-G ( ) ( ) ( )<br>SHELL FINISH: C, N<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P   | /11                 | Min-E-Con                              |

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| <p>GOVERNMENT DESIGNATION: M83513/11-G-()()()</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-031-98, 83513-313-90, 83513-310-89, 83513-389-86</p> <p>MANUFACTURER DESIGNATION: 094-47 (14, 24)-(00, 70) (01, 02)</p> <p>SHELL FINISH: C, N</p> <p>TERMINATION LENGTH: 01, 02, 03</p> <p>HARDWARE: N, P</p>      | /11                 | Tyco Electronics                       |
| <p>GOVERNMENT DESIGNATION: M83513/12-H-()()()</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-286-86</p> <p>MANUFACTURER DESIGNATION: MK-45(2,3,5)-100-3(2,3,4)5-(00,62)0S-(94P,0BJ)</p> <p>SHELL FINISH: C, N, P</p> <p>TERMINATION LENGTH: 01, 02, 03</p> <p>HARDWARE: N, P, T, W</p>                          | /12                 | Airborn, Inc.                          |
| <p>GOVERNMENT DESIGNATION: M83513/12-H-()()()</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-054-95</p> <p>MANUFACTURER DESIGNATION: 100R () () 100PCBR () ()</p> <p>SHELL FINISH: C, N</p> <p>TERMINATION LENGTH: 01, 02, 03</p> <p>HARDWARE: N, P</p>   | /12                 | Amphenol Phoenix Interconnect          |
| <p>GOVERNMENT DESIGNATION: M83513/12-H-()()()</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-006-95</p> <p>MANUFACTURER DESIGNATION: 288-(61 thru 66)-(00)-(0, 1, 2) (03)</p> <p>SHELL FINISH: C, N</p> <p>TERMINATION LENGTH: 01, 02, 03</p> <p>HARDWARE: N, P</p>   | /12                 | Cinch Connectors, Inc.                 |
| <p>GOVERNMENT DESIGNATION: M83513/12-H-()()()</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-284-92</p> <p>MANUFACTURER DESIGNATION: CM11H(01, 02, 03) (C, N) N, P)</p> <p>SHELL FINISH: C, N</p> <p>TERMINATION LENGTH: 01, 02, 03</p> <p>HARDWARE: N, P</p>   | /12                 | Cristek Intereconnects, Inc.           |
| <p>GOVERNMENT DESIGNATION: M83513/12-H-()()()</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-094-98, 83513-488-03</p> <p>MANUFACTURER DESIGNATION: MWDM(1-3)-12H)-(01-03)P(.109,.140,.172)(B,P,T,W)</p> <p>SHELL FINISH: C, N, P</p> <p>TERMINATION LENGTH: 01, 02, 03</p> <p>HARDWARE: N, P, T, W</p>          | /12                 | Glenair                                |
| <p>GOVERNMENT DESIGNATION: M83513/12-H-()()()</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-841-04</p> <p>MANUFACTURER DESIGNATION: HMM12-(H03CT)(H03NT)(H03PT)</p> <p>INSERT ARRANGEMENT: A, B, C, D, E, F</p> <p>SHELL FINISH: C, N, P</p> <p>TERMINATION LENGTH: 01, 02, 03</p> <p>HARDWARE: N, P, T, W</p> | /12                 | HiRel Connectors, Inc.                 |
| <p>GOVERNMENT DESIGNATION: M83513/12-H-()()()</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-69-93</p> <p>MANUFACTURER DESIGNATION: , MDM12H100(01, 02, 03) ( , A174P) (N, P)</p> <p>SHELL FINISH: C, N</p> <p>TERMINATION LENGTH: 01, 02, 03</p> <p>HARDWARE: N, P</p>   | /12                 | ITT Cannon                             |

|  | SPECIFICATION SHEET | SUPPLIER'S NAME (ADDRESS ON LAST PAGE) |
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| GOVERNMENT DESIGNATION: M83513/12-H-( ) ( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-32-94<br>MANUFACTURER DESIGNATION: M83513/12-H ( ) ( ) ( )<br>SHELL FINISH: C, N<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P   | /12                 | Min-E-Con                              |
| GOVERNMENT DESIGNATION: M83513/12-H-( ) ( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-031-98, 83513-313-90, 83513-310-89, 83513-389-86<br>MANUFACTURER DESIGNATION: 094-49 (14, 24)-(00, 70) (01, 02, 03)<br>SHELL FINISH: C, N<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P                                  | /12                 | Tyco Electronics                       |
| GOVERNMENT DESIGNATION: M83513/13-( ) ( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-286-86<br>MANUFACTURER DESIGNATION: MK-26(2,3,5)-(009 thru 037)-4(3,4,5)5-(00,22)0S-(900,0B7)<br>INSERT ARRANGEMENT: A, B, C, D, E, F<br>SHELL FINISH: C, N, P<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P, T, W         | /13                 | Airborn, Inc.                          |
| GOVERNMENT DESIGNATION: M83513/13-( ) ( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-054-95<br>MANUFACTURER DESIGNATION: 100R ( ) SCBR ( ) ( )<br>INSERT ARRANGEMENT: A, B, C, D, E, F<br>SHELL FINISH: C, N<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P  | /13                 | Amphenol Phoenix Interconnect          |
| GOVERNMENT DESIGNATION: M83513/13-( ) ( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-006-95<br>MANUFACTURER DESIGNATION: 289-(61 thru 66)-(10 thru 80)-(0, 1, 2) (03)<br>INSERT ARRANGEMENT: A, B, C, D, E, F<br>SHELL FINISH: C, N<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P                               | /13                 | Cinch Connectors, Inc.                 |
| GOVERNMENT DESIGNATION: M83513/13-( ) ( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-284-92<br>MANUFACTURER DESIGNATION: CM13 (A thru F) (01, 02, 03) (C, N) (N, P)<br>INSERT ARRANGEMENT: A, B, C, D, E, F<br>SHELL FINISH: C, N<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P                                 | /13                 | Cristek Intereconnects, Inc.           |
| GOVERNMENT DESIGNATION: M83513/13-( ) ( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-094-98, 83513-488-03<br>MANUFACTURER DESIGNATION: MWDM(1-3)-13(A-F)-(01-03)S(.109,.140,.172)(B,P,T,W)<br>INSERT ARRANGEMENT: A, B, C, D, E, F<br>SHELL FINISH: C, N, P<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P, T, W | /13                 | Glenair                                |
| GOVERNMENT DESIGNATION: M83513/13-( ) ( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-841-04<br>MANUFACTURER DESIGNATION: HMM13-(H03CP)(H03NP)(H03PP)<br>INSERT ARRANGEMENT: A, B, C, D, E, F<br>SHELL FINISH: C, N, P<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P, T, W                                       | /13                 | HiRel Connectors, Inc.                 |

|  | SPECIFICATION SHEET | SUPPLIER'S NAME (ADDRESS ON LAST PAGE) |
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| <p>GOVERNMENT DESIGNATION: M83513/13-( ) ( ) ( ) ( )</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-69-93</p> <p>MANUFACTURER DESIGNATION: MDM13 (A9 thru F37) (01, 02, 03) ( , A174P) (N, P)</p> <p>INSERT ARRANGEMENT: A, B, C, D, E, F</p> <p>SHELL FINISH: C, N</p> <p>TERMINATION LENGTH: 01, 02, 03</p> <p>HARDWARE: N, P</p>   | /13                 | ITT Cannon                             |
| <p>GOVERNMENT DESIGNATION: M83513/13-( ) ( ) ( ) ( )</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-32-94</p> <p>MANUFACTURER DESIGNATION: M83513/13- ( ) ( ) ( ) ( )</p> <p>INSERT ARRANGEMENT: A, B, C, D, E, F</p> <p>SHELL FINISH: C, N</p> <p>TERMINATION LENGTH: 01, 02, 03</p> <p>HARDWARE: N, P</p>   | /13                 | Min-E-Con                              |
| <p>GOVERNMENT DESIGNATION: M83513/13-( ) ( ) ( ) ( )</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-031-98, 83513-313-90, 83513-310-89, 83513-389-86</p> <p>MANUFACTURER DESIGNATION: 094-4 (1 thru 6) (16, 26)-(00, 70) (01, 02, 03)</p> <p>INSERT ARRANGEMENT: A, B, C, D, E, F</p> <p>SHELL FINISH: C, N</p> <p>TERMINATION LENGTH: 01, 02, 03</p> <p>HARDWARE: N, P</p> | /13                 | Tyco Electronics                       |
| <p>GOVERNMENT DESIGNATION: M83513/14-G-( ) ( ) ( ) ( )</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-286-86</p> <p>MANUFACTURER DESIGNATION: MK-36(2,3,5)-051-4(3,4,5)5-(00,22)0S-(900,0B7)</p> <p>SHELL FINISH: C, N, p</p> <p>TERMINATION LENGTH: 01, 02, 03</p> <p>HARDWARE: N, P, T, W</p>   | /14                 | Airborn, Inc.                          |
| <p>GOVERNMENT DESIGNATION: M83513/14-G-( ) ( ) ( ) ( )</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-054-95</p> <p>MANUFACTURER DESIGNATION: 100R ( ) 51SCBR ( ) ( )</p> <p>SHELL FINISH: C, N</p> <p>TERMINATION LENGTH: 01, 02, 03</p> <p>HARDWARE: N, P</p>   | /14                 | Amphenol Phoenix Interconnect          |
| <p>GOVERNMENT DESIGNATION: M83513/14-G-( ) ( ) ( ) ( )</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-006-95</p> <p>MANUFACTURER DESIGNATION: 289- (61 thru 66) - (90) - (0, 1, 2) (03)</p> <p>SHELL FINISH: C, N</p> <p>TERMINATION LENGTH: 01, 02, 03</p> <p>HARDWARE: N, P</p>   | /14                 | Cinch Connectors, Inc.                 |
| <p>GOVERNMENT DESIGNATION: M83513/14-G-( ) ( ) ( ) ( )</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-284-92</p> <p>MANUFACTURER DESIGNATION: CM14G (01, 02, 03) (C, N) (N, P)</p> <p>SHELL FINISH: C, N</p> <p>TERMINATION LENGTH: 01, 02, 03</p> <p>HARDWARE: N, P</p>  | /14                 | Cristek Intereconnects, Inc.           |
| <p>GOVERNMENT DESIGNATION: M83513/14-G-( ) ( ) ( ) ( )</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-094-98, 83513-448-03</p> <p>MANUFACTURER DESIGNATION: MWDM(1-3)-14G)-(01-03)S(.109,.140,.172)(B,P,T,W)</p> <p>SHELL FINISH: C, N, P</p> <p>TERMINATION LENGTH: 01, 02, 03</p> <p>HARDWARE: N, P, T, W</p>   | /14                 | Glenair                                |

|  | SPECIFICATION SHEET | SUPPLIER'S NAME (ADDRESS ON LAST PAGE) |
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| <p>GOVERNMENT DESIGNATION: M83513/14-G-( ) ( ) ( )</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-841-04</p> <p>MANUFACTURER DESIGNATION: HMM14-(H03CT)(H03NT)(H03PT)</p> <p>SHELL FINISH: C, N, P</p> <p>TERMINATION LENGTH: 01, 02, 03</p> <p>HARDWARE: N, P, T, W</p>  | /14                 | HiRel Connectors, Inc.                 |
| <p>GOVERNMENT DESIGNATION: M83513/14-G-( ) ( ) ( )</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-69-93</p> <p>MANUFACTURER DESIGNATION: MDM14G51 (01, 02, 03) ( , A174P) (N, P)</p> <p>SHELL FINISH: C, N</p> <p>TERMINATION LENGTH: 01, 02, 03</p> <p>HARDWARE: N, P</p>  | /14                 | ITT Cannon                             |
| <p>GOVERNMENT DESIGNATION: M83513/14-G-( ) ( ) ( )</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-32-94</p> <p>MANUFACTURER DESIGNATION: M83513/14-G ( ) ( ) ( )</p> <p>SHELL FINISH: C, N</p> <p>TERMINATION LENGTH: 01, 02, 03</p> <p>HARDWARE: N, P</p>  | /14                 | Min-E-Con                              |
| <p>GOVERNMENT DESIGNATION: M83513/14-G-( ) ( ) ( )</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-031-98, 83513-313-90, 83513-310-89, 83513-389-86</p> <p>MANUFACTURER DESIGNATION: 094-47 (16, 26) - (00, 70) (01, 02, 03)</p> <p>SHELL FINISH: C, N</p> <p>TERMINATION LENGTH: 01, 02, 03</p> <p>HARDWARE: N, P</p> | /14                 | Tyco Electronics                       |
| <p>GOVERNMENT DESIGNATION: M83513/15-H-( ) ( ) ( )</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-286-86</p> <p>MANUFACTURER DESIGNATION: MK-46(2,3,5)-100-4 (3,4,5)5-(00,62)0S-(900,0B7)</p> <p>SHELL FINISH: C, N, P</p> <p>TERMINATION LENGTH: 01, 02, 03</p> <p>HARDWARE: N, P, T, W</p>                          | /15                 | Airborn, Inc.                          |
| <p>GOVERNMENT DESIGNATION: M83513/15-H-( ) ( ) ( )</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-054-95</p> <p>MANUFACTURER DESIGNATION: 100R ( ) 100SCBR ( ) ( )</p> <p>SHELL FINISH: C, N</p> <p>TERMINATION LENGTH: 01, 02, 03</p> <p>HARDWARE: N, P</p>  | /15                 | Amphenol Phoenix Interconnect          |
| <p>GOVERNMENT DESIGNATION: M83513/15-H-( ) ( ) ( )</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-006-95</p> <p>MANUFACTURER DESIGNATION: 289- (61 thru 66) - (00) - (0, 1, 2) (03)</p> <p>SHELL FINISH: C, N</p> <p>TERMINATION LENGTH: 01, 02, 03</p> <p>HARDWARE: N, P</p>   | /15                 | Cinch Connectors, Inc.                 |
| <p>GOVERNMENT DESIGNATION: M83513/15-H-( ) ( ) ( )</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-284-92</p> <p>MANUFACTURER DESIGNATION: CM15H (01, 02, 03) (C, N) (N, P)</p> <p>SHELL FINISH: C, N</p> <p>TERMINATION LENGTH: 01, 02, 03</p> <p>HARDWARE: N, P</p>  | /15                 | Cristek Intereconnects, Inc.           |

|   | SPECIFICATION SHEET | SUPPLIER'S NAME (ADDRESS ON LAST PAGE) |
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| <p>GOVERNMENT DESIGNATION: M83513/15-H-( ) ( ) ( )</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-094-98, 83513-488-03</p> <p>MANUFACTURER DESIGNATION: MWDM(1-3)-15H)-(01-03)S(.109,.140,.172)(B,P,T,W)</p> <p>SHELL FINISH: C, N, P</p> <p>TERMINATION LENGTH: 01, 02, 03</p> <p>HARDWARE: N, P, T, W</p>                                      | /15                 | Glenair                                |
| <p>GOVERNMENT DESIGNATION: M83513/15-H-( ) ( ) ( )</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-841-04</p> <p>MANUFACTURER DESIGNATION: HMM15-(H03CT)(H03NT)(H03PT)</p> <p>SHELL FINISH: C, N, P</p> <p>TERMINATION LENGTH: 01, 02, 03</p> <p>HARDWARE: N, P, T, W</p>   | /15                 | HiRel Connectors, Inc.                 |
| <p>GOVERNMENT DESIGNATION: M83513/15-H-( ) ( ) ( )</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-69-93</p> <p>MANUFACTURER DESIGNATION: MDM15H100 (01, 02, 03) ( , A174P) (N, P)</p> <p>SHELL FINISH: C, N</p> <p>TERMINATION LENGTH: 01, 02, 03</p> <p>HARDWARE: N, P</p>  | /15                 | ITT Cannon                             |
| <p>GOVERNMENT DESIGNATION: M83513/15-H-( ) ( ) ( )</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-32-94</p> <p>MANUFACTURER DESIGNATION: M83513/15-H ( ) ( ) ( )</p> <p>SHELL FINISH: C, N</p> <p>TERMINATION LENGTH: 01, 02, 03</p> <p>HARDWARE: N, P</p>   | /15                 | Min-E-Con                              |
| <p>GOVERNMENT DESIGNATION: M83513/15-H-( ) ( ) ( )</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-031-98, 83513-313-90, 83513-310-89, 83513-389-86</p> <p>MANUFACTURER DESIGNATION: 094-49 (16, 26) - (00, 70) (01, 02, 03)</p> <p>SHELL FINISH: C, N</p> <p>TERMINATION LENGTH: 01, 02, 03</p> <p>HARDWARE: N, P</p>                            | /15                 | Tyco Electronics                       |
| <p>GOVERNMENT DESIGNATION: M83513/16-( ) ( ) ( ) ( )</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-286-86</p> <p>MANUFACTURER DESIGNATION: MK-27(2,3,5)-(009 thru 037)-3(2,3,4)5-(00,22)0R(-0B7)</p> <p>INSERT ARRANGEMENT: A, B, C, D, E, F</p> <p>SHELL FINISH: C, N, P</p> <p>TERMINATION LENGTH: 01, 02, 03</p> <p>HARDWARE: N, P, T, W</p> | /16                 | Airborn, Inc.                          |
| <p>GOVERNMENT DESIGNATION: M83513/16-( ) ( ) ( ) ( )</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-054-95</p> <p>MANUFACTURER DESIGNATION: 100R ( ) ( ) PBR ( ) ( )</p> <p>INSERT ARRANGEMENT: A, B, C, D, E, F</p> <p>SHELL FINISH: C, N</p> <p>TERMINATION LENGTH: 01, 02, 03</p> <p>HARDWARE: N, P</p>                                       | /16                 | Amphenol Phoenix Interconnect          |
| <p>GOVERNMENT DESIGNATION: M83513/16-( ) ( ) ( ) ( )</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-006-95</p> <p>MANUFACTURER DESIGNATION: 288- (61 thru 66) - (10 thru 80) - (0, 1, 2) (02)</p> <p>INSERT ARRANGEMENT: A, B, C, D, E, F</p> <p>SHELL FINISH: C, N</p> <p>TERMINATION LENGTH: 01, 02, 03</p> <p>HARDWARE: N, P</p>              | /16                 | Cinch Connectors, Inc.                 |



|   | SPECIFICATION SHEET | SUPPLIER'S NAME (ADDRESS ON LAST PAGE) |
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| GOVERNMENT DESIGNATION: M83513/16-( ) ( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-094-98, 83513-488-03<br>MANUFACTURER DESIGNATION: MWDM(1-3)-16(A-F)-(01-03)P(.109,.140,.172)(B,P,T,W)<br>INSERT ARRANGEMENT: A, B, C, D, E, F<br>SHELL FINISH: C, N, P<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P, T, W                      | /16                 | Glenair                                |
| GOVERNMENT DESIGNATION: M83513/16-( ) ( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-841-04<br>MANUFACTURER DESIGNATION: HMM16-(H03CP)(H03NP)(H03PP)<br>INSERT ARRANGEMENT: A, B, C, D, E, F<br>SHELL FINISH: C, N, P<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P, T, W  | /16                 | HiRel Connectors, Inc.                 |
| GOVERNMENT DESIGNATION: M83513/16-( ) ( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-69-93<br>MANUFACTURER DESIGNATION: MDM16 (A9 thru F37) (01, 02, 03) ( , A174P) (N, P)<br>INSERT ARRANGEMENT: A, B, C, D, E, F<br>SHELL FINISH: C, N<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P   | /16                 | ITT Cannon                             |
| GOVERNMENT DESIGNATION: M83513/16-( ) ( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-32-94<br>MANUFACTURER DESIGNATION: M83513/16 ( ) ( ) ( ) ( )<br>INSERT ARRANGEMENT: A, B, C, D, E, F<br>SHELL FINISH: C, N<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P  | /16                 | Min-E-Con                              |
| GOVERNMENT DESIGNATION: M83513/16-( ) ( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-031-98, 83513-313-90, 83513-310-89, 83513-389-86<br>MANUFACTURER DESIGNATION: 094-4 (1 thru 6) (14, 24) - (00, 70) (04, 05, 06, 07)<br>INSERT ARRANGEMENT: A, B, C, D, E, F<br>SHELL FINISH: C, N<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P | /16                 | Tyco Electronics                       |
| GOVERNMENT DESIGNATION: M83513/17-G-( ) ( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-286-86<br>MANUFACTURER DESIGNATION: MK-37(2,3,5)-051-3(2,3,4)5-(00,22)0R-(0B7)<br>SHELL FINISH: C, N, P<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P, T, W   | /17                 | Airborn, Inc.                          |
| GOVERNMENT DESIGNATION: M83513/17-G-( ) ( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-054-95<br>MANUFACTURER DESIGNATION: 100R ( ) ( ) 51PBR ( ) ( )<br>SHELL FINISH: C, N<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P  | /17                 | Amphenol Phoenix Interconnect          |
| GOVERNMENT DESIGNATION: M83513/17-G-( ) ( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-006-95<br>MANUFACTURER DESIGNATION: 288- (61 thru 66) - (90) - (0, 1, 2) (02)<br>SHELL FINISH: C, N<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P   | /17                 | Cinch Connectors, Inc.                 |

|   | SPECIFICATION SHEET | SUPPLIER'S NAME (ADDRESS ON LAST PAGE) |
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| <p>GOVERNMENT DESIGNATION: M83513/17-G-()()()</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-094-98, 83513-488-03</p> <p>MANUFACTURER DESIGNATION: MWDM(1-3)-17G)-(01-03)P(.109,.140,.172)(B,P,T,W)</p> <p>SHELL FINISH: C, N, P</p> <p>TERMINATION LENGTH: 01, 02, 03</p> <p>HARDWARE: N, P, T, W</p>           | /17                 | Glenair                                |
| <p>GOVERNMENT DESIGNATION: M83513/17-G-()()()</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-841-04</p> <p>MANUFACTURER DESIGNATION: HMM17-(H03CP)(H03NP)(H03PP)</p> <p>SHELL FINISH: C, N, P</p> <p>TERMINATION LENGTH: 01, 02, 03</p> <p>HARDWARE: N, P, T, W</p>  | /17                 | HiRel Connectors, Inc.                 |
| <p>GOVERNMENT DESIGNATION: M83513/17-G-()()()</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-69-93</p> <p>MANUFACTURER DESIGNATION: MDM17G51 (01, 02, 03) ( , A174P) (N, P)</p> <p>SHELL FINISH: C, N</p> <p>TERMINATION LENGTH: 01, 02, 03</p> <p>HARDWARE: N, P</p>  | /17                 | ITT Cannon                             |
| <p>GOVERNMENT DESIGNATION: M83513/17-G-()()()</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-32-94</p> <p>MANUFACTURER DESIGNATION: M83513/17-G ( ) ( ) ( )</p> <p>SHELL FINISH: C, N</p> <p>TERMINATION LENGTH: 01, 02, 03</p> <p>HARDWARE: N, P</p>  | /17                 | Min-E-Con                              |
| <p>GOVERNMENT DESIGNATION: M83513/17-G-()()()</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-031-98, 83513-313-90, 83513-310-89, 83513-389-86</p> <p>MANUFACTURER DESIGNATION: 094-47 (14, 24) - (00, 70) (04, 05, 06)</p> <p>SHELL FINISH: C, N</p> <p>TERMINATION LENGTH: 01, 02, 03</p> <p>HARDWARE: N, P</p> | /17                 | Tyco Electronics                       |
| <p>GOVERNMENT DESIGNATION: M83513/18-H-()()()</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-286-86</p> <p>MANUFACTURER DESIGNATION: MK-47(2,3,5)-100-3(2,3,4)5-(00,22)0R(05K,0BJ)</p> <p>SHELL FINISH: C, N, P</p> <p>TERMINATION LENGTH: 01, 02, 03</p> <p>HARDWARE: N, P, T, W</p>                            | /18                 | Airborn, Inc.                          |
| <p>GOVERNMENT DESIGNATION: M83513/18-H-()()()</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-054-95</p> <p>MANUFACTURER DESIGNATION: 100R ( ) 100PBR ( ) ( )</p> <p>SHELL FINISH: C, N</p> <p>TERMINATION LENGTH: 01, 02, 03</p> <p>HARDWARE: N, P</p>   | /18                 | Amphenol Phoenix Interconnect          |
| <p>GOVERNMENT DESIGNATION: M83513/18-H-()()()</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-006-95</p> <p>MANUFACTURER DESIGNATION: 288- (61 thru 66) - (100) - (0, 1, 2) (02)</p> <p>SHELL FINISH: C, N</p> <p>TERMINATION LENGTH: 01, 02, 03</p> <p>HARDWARE: N, P</p>  | /18                 | Cinch Connectors, Inc.                 |

|   | SPECIFICATION SHEET | SUPPLIER'S NAME (ADDRESS ON LAST PAGE) |
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| <p>GOVERNMENT DESIGNATION: M83513/18-H-( ) ( ) ( )</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-094-98, 83513-488-03</p> <p>MANUFACTURER DESIGNATION: MWDM(1-3)-18H)-(01-03)P(.109,.140,.172)(B,P,T,W)</p> <p>SHELL FINISH: C, N, P</p> <p>TERMINATION LENGTH: 01, 02, 03</p> <p>HARDWARE: N, P, T, W</p>  | /18                 | Glenair                                |
| <p>GOVERNMENT DESIGNATION: M83513/18-H-( ) ( ) ( )</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-841-04</p> <p>MANUFACTURER DESIGNATION: HMM18-(H03CP)(H03NP)(H03PP)</p> <p>SHELL FINISH: C, N, P</p> <p>TERMINATION LENGTH: 01, 02, 03</p> <p>HARDWARE: N, P, T, W</p>   | /18                 | HiRel Connectors, Inc.                 |
| <p>GOVERNMENT DESIGNATION: M83513/18-H-( ) ( ) ( )</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-69-93</p> <p>MANUFACTURER DESIGNATION: MDM18H100 (01, 02, 03) ( , A174P) (N, P)</p> <p>SHELL FINISH: C, N</p> <p>TERMINATION LENGTH: 01, 02, 03</p> <p>HARDWARE: N, P</p>  | /18                 | ITT Cannon                             |
| <p>GOVERNMENT DESIGNATION: M83513/18-H-( ) ( ) ( )</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-32-94</p> <p>MANUFACTURER DESIGNATION: M83513/18-H ( ) ( ) ( )</p> <p>SHELL FINISH: C, N</p> <p>TERMINATION LENGTH: 01, 02, 03</p> <p>HARDWARE: N, P</p>   | /18                 | Min-E-Con                              |
| <p>GOVERNMENT DESIGNATION: M83513/18-H-( ) ( ) ( )</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-031-98, 83513-313-90, 83513-310-89, 83513-389-86</p> <p>MANUFACTURER DESIGNATION: 094-49 (14, 24) - (00, 70) (04, 05, 06)</p> <p>SHELL FINISH: C, N</p> <p>TERMINATION LENGTH: 01, 02, 03</p> <p>HARDWARE: N, P</p>                                | /18                 | Tyco Electronics                       |
| <p>GOVERNMENT DESIGNATION: M83513/19-( ) ( ) ( ) ( )</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-286-86</p> <p>MANUFACTURER DESIGNATION: MK-28(2,3,5)-(009 thru 037)-4(3,4,5)5-(00,22)0R-(900,0B7)</p> <p>INSERT ARRANGEMENT: A, B, C, D, E, F</p> <p>SHELL FINISH: C, N, P</p> <p>TERMINATION LENGTH: 01, 02, 03</p> <p>HARDWARE: N, P, T, W</p> | /19                 | Airborn, Inc.                          |
| <p>GOVERNMENT DESIGNATION: M83513/19-( ) ( ) ( ) ( )</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-054-95</p> <p>MANUFACTURER DESIGNATION: 100R ( ) ( ) SBR ( ) ( )</p> <p>INSERT ARRANGEMENT: A, B, C, D, E, F</p> <p>SHELL FINISH: C, N</p> <p>TERMINATION LENGTH: 01, 02, 03</p> <p>HARDWARE: N, P</p>   | /19                 | Amphenol Phoenix Interconnect          |
| <p>GOVERNMENT DESIGNATION: M83513/19-( ) ( ) ( ) ( )</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-006-95</p> <p>MANUFACTURER DESIGNATION: 289- (61 thru 66) - (10 thru 80) - (0, 1, 2) (02)</p> <p>INSERT ARRANGEMENT: A, B, C, D, E, F</p> <p>SHELL FINISH: C, N</p> <p>TERMINATION LENGTH: 01, 02, 03</p> <p>HARDWARE: N, P</p>                  | /19                 | Cinch Connectors, Inc.                 |

|   | SPECIFICATION SHEET | SUPPLIER'S NAME (ADDRESS ON LAST PAGE) |
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| <p>GOVERNMENT DESIGNATION: M83513/19-( ) ( ) ( )</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-094-98, 83513-488-03</p> <p>MANUFACTURER DESIGNATION: MWDM(1-3)-19(A-F)-(01-03)S(.109,.140,.172)(B,P,T,W)</p> <p>INSERT ARRANGEMENT: A, B, C, D, E, F</p> <p>SHELL FINISH: C, N, P</p> <p>TERMINATION LENGTH: 01, 02, 03</p> <p>HARDWARE: N, P, T, W</p>                 | /19                 | Glenair                                |
| <p>GOVERNMENT DESIGNATION: M83513/19-( ) ( ) ( )</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-841-04</p> <p>MANUFACTURER DESIGNATION: HMM19-(H03CT)(H03NT)(H03PT)</p> <p>INSERT ARRANGEMENT: A, B, C, D, E, F</p> <p>SHELL FINISH: C, N, P</p> <p>TERMINATION LENGTH: 01, 02, 03</p> <p>HARDWARE: N, P, T, W</p>   | /19                 | HiRel Connectors, Inc.                 |
| <p>GOVERNMENT DESIGNATION: M83513/19-( ) ( ) ( )</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-69-93</p> <p>MANUFACTURER DESIGNATION: MDM19 (A9 thru F37) (01, 02, 03) ( , A174P) (N, P)</p> <p>INSERT ARRANGEMENT: A, B, C, D, E, F</p> <p>SHELL FINISH: C, N</p> <p>TERMINATION LENGTH: 01, 02, 03</p> <p>HARDWARE: N, P</p>  | /19                 | ITT Cannon                             |
| <p>GOVERNMENT DESIGNATION: M83513/19-( ) ( ) ( )</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-32-94</p> <p>MANUFACTURER DESIGNATION: M83513/19- ( ) ( ) ( )</p> <p>INSERT ARRANGEMENT: A, B, C, D, E, F</p> <p>SHELL FINISH: C, N</p> <p>TERMINATION LENGTH: 01, 02, 03</p> <p>HARDWARE: N, P</p>  | /19                 | Min-E-Con                              |
| <p>GOVERNMENT DESIGNATION: M83513/19-( ) ( ) ( )</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-031-98, 83513-313-90, 83513-310-89, 83513-389-86</p> <p>MANUFACTURER DESIGNATION: 094-4 (1 thru 6) (16, 26) - (00,70) (04, 05, 06)</p> <p>INSERT ARRANGEMENT: A, B, C, D, E, F</p> <p>SHELL FINISH: C, N</p> <p>TERMINATION LENGTH: 01, 02, 03</p> <p>HARDWARE: N, P</p> | /19                 | Tyco Electronics                       |
| <p>GOVERNMENT DESIGNATION: M83513/20-G-( ) ( ) ( )</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-286-86</p> <p>MANUFACTURER DESIGNATION: MK-38(2,3,5)-051-4(3,4,5)5-(00,22)0R-(900,0B7)</p> <p>SHELL FINISH: C, N, P</p> <p>TERMINATION LENGTH: 01, 02, 03</p> <p>HARDWARE: N, P, T, W</p>  | /20                 | Airborn, Inc.                          |
| <p>GOVERNMENT DESIGNATION: M83513/20-G-( ) ( ) ( )</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-054-95</p> <p>MANUFACTURER DESIGNATION: 100R ( ) 51SBR ( ) ( )</p> <p>SHELL FINISH: C, N</p> <p>TERMINATION LENGTH: 01, 02, 03</p> <p>HARDWARE: N, P</p>   | /20                 | Amphenol Phoenix Interconnect          |
| <p>GOVERNMENT DESIGNATION: M83513/20-G-( ) ( ) ( )</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-006-95</p> <p>MANUFACTURER DESIGNATION: 289- (61 thru 66) - (90) - (0, 1, 2) (02)</p> <p>SHELL FINISH: C, N</p> <p>TERMINATION LENGTH: 01, 02, 03</p> <p>HARDWARE: N, P</p>  | /20                 | Cinch Connectors, Inc.                 |

|   | SPECIFICATION SHEET | SUPPLIER'S NAME (ADDRESS ON LAST PAGE) |
|---|---------------------|--|
| GOVERNMENT DESIGNATION: M83513/20-G-( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-094-98, 83513-488-03<br>MANUFACTURER DESIGNATION: MWDM(1-3)-20G)-(01-03)S(.109,.140,.172)(B,P,T,W)<br>SHELL FINISH: C, N, P<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P, T, W       | /20                 | Glenair                                |
| GOVERNMENT DESIGNATION: M83513/20-G-( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-841-04<br>MANUFACTURER DESIGNATION: HMM20-(H03CT)(H03NT)(H03PT)<br>SHELL FINISH: C, N, P<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P, T, W  | /20                 | HiRel Connectors, Inc.                 |
| GOVERNMENT DESIGNATION: M83513/20-G-( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-69-93<br>MANUFACTURER DESIGNATION: MDM20G51 (01, 02, 03) ( , A174P) (N, P)<br>SHELL FINISH: C, N<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P  | /20                 | ITT Cannon                             |
| GOVERNMENT DESIGNATION: M83513/20-G-( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-32-94<br>MANUFACTURER DESIGNATION: M83513/20-G ( ) ( )<br>SHELL FINISH: C, N<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P  | /20                 | Min-E-Con                              |
| GOVERNMENT DESIGNATION: M83513/20-G-( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-031-98, 83513-313-90, 83513-310-89, 83513-389-86<br>MANUFACTURER DESIGNATION: 094-47 (16, 26) - (00, 70) (04, 05)<br>SHELL FINISH: C, N<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P | /20                 | Tyco Electronics                       |
| GOVERNMENT DESIGNATION: M83513/21-H-( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-286-86<br>MANUFACTURER DESIGNATION: MK-48(2,3,5)-100-4(3,4,5)5-(00,62)0R-(05K,0BJ)<br>SHELL FINISH: C, N, P<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P, T, W                       | /21                 | Airborn, Inc.                          |
| GOVERNMENT DESIGNATION: M83513/21-H-( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-054-95<br>MANUFACTURER DESIGNATION: 100R ( ) 100SBR ( ) ( )<br>SHELL FINISH: C, N<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P   | /21                 | Amphenol Phoenix Interconnect          |
| GOVERNMENT DESIGNATION: M83513/21-H-( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-006-95<br>MANUFACTURER DESIGNATION: 289- (61 thru 66) - (00) - (0, 1, 2) (02)<br>SHELL FINISH: C, N<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P                                     | /21                 | Cinch Connectors, Inc.                 |

|   | SPECIFICATION SHEET | SUPPLIER'S NAME (ADDRESS ON LAST PAGE) |
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| <p>GOVERNMENT DESIGNATION: M83513/21-H-( ) ( ) ( )</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-094-98, 83513-488-03</p> <p>MANUFACTURER DESIGNATION: MWDM(1-3)-21H)-(01-03)S(.109,.140,.172)(B,P,T,W)</p> <p>SHELL FINISH: C, N, P</p> <p>TERMINATION LENGTH: 01, 02, 03</p> <p>HARDWARE: N, P, T, W</p>                                      | /21                 | Glenair                                |
| <p>GOVERNMENT DESIGNATION: M83513/21-H-( ) ( ) ( )</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-841-04</p> <p>MANUFACTURER DESIGNATION: HMM21-(H03CT)(H03NT)(H03PT)</p> <p>SHELL FINISH: C, N, P</p> <p>TERMINATION LENGTH: 01, 02, 03</p> <p>HARDWARE: N, P, T, W</p>   | /21                 | HiRel Connectors, Inc.                 |
| <p>GOVERNMENT DESIGNATION: M83513/21-H-( ) ( ) ( )</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-69-93</p> <p>MANUFACTURER DESIGNATION: MDM21H100 (01, 02, 03) ( , A174P) (N, P)</p> <p>SHELL FINISH: C, N</p> <p>TERMINATION LENGTH: 01, 02, 03</p> <p>HARDWARE: N, P</p>  | /21                 | ITT Cannon                             |
| <p>GOVERNMENT DESIGNATION: M83513/21-H-( ) ( ) ( )</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-32-94</p> <p>MANUFACTURER DESIGNATION: M83513/21-H ( ) ( ) ( )</p> <p>SHELL FINISH: C, N</p> <p>TERMINATION LENGTH: 01, 02, 03</p> <p>HARDWARE: N, P</p>   | /21                 | Min-E-Con                              |
| <p>GOVERNMENT DESIGNATION: M83513/21-H-( ) ( ) ( )</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-031-98, 83513-313-90, 83513-310-89, 83513-389-86</p> <p>MANUFACTURER DESIGNATION: 094-49 (16, 26) - (00, 70) (04, 05, 06)</p> <p>SHELL FINISH: C, N</p> <p>TERMINATION LENGTH: 01, 02, 03</p> <p>HARDWARE: N, P</p>                            | /21                 | Tyco Electronics                       |
| <p>GOVERNMENT DESIGNATION: M83513/22-( ) ( ) ( ) ( )</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-286-86</p> <p>MANUFACTURER DESIGNATION: MK-21(2,3,5)-(009 thru 037)-1(2,3,4)5-(00,22)00(-0B7)</p> <p>INSERT ARRANGEMENT: A, B, C, D, E, F</p> <p>SHELL FINISH: C, N, P</p> <p>TERMINATION LENGTH: 01, 02, 03</p> <p>HARDWARE: N, P, T, W</p> | /22                 | Airborn, Inc.                          |
| <p>GOVERNMENT DESIGNATION: M83513/22-( ) ( ) ( ) ( )</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-054-95</p> <p>MANUFACTURER DESIGNATION: 100R( ) ( ) PBS( ) ( )</p> <p>INSERT ARRANGEMENT: A, B, C, D, E, F</p> <p>SHELL FINISH: C, N</p> <p>TERMINATION LENGTH: 01, 02, 03</p> <p>HARDWARE: N, P</p>   | /22                 | Amphenol Phoenix Interconnect          |
| <p>GOVERNMENT DESIGNATION: M83513/22-( ) ( ) ( ) ( )</p> <p>TEST OR QUALIFICATION REFERENCE: 83513-006-95</p> <p>MANUFACTURER DESIGNATION: 288- (61 thru 66) - (10 thru 80) - (0, 1, 2) (01)</p> <p>INSERT ARRANGEMENT: A, B, C, D, E, F</p> <p>SHELL FINISH: C, N</p> <p>TERMINATION LENGTH: 01, 02, 03</p> <p>HARDWARE: N, P</p>              | /22                 | Cinch Connectors, Inc.                 |

|   | SPECIFICATION SHEET | SUPPLIER'S NAME (ADDRESS ON LAST PAGE) |
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| GOVERNMENT DESIGNATION: M83513/22-( ) ( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-284-92<br>MANUFACTURER DESIGNATION: CM22 (A thru F) (01, 02, 03) (C, N) (N, P)<br>INSERT ARRANGEMENT: A, B, C, D, E, F<br>SHELL FINISH: C, N<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P  | /22                 | Cristek Intereconnects, Inc.           |
| GOVERNMENT DESIGNATION: M83513/22-( ) ( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-094-98, 83513-488-03<br>MANUFACTURER DESIGNATION: MWDM(1-3)-22(A-F)-(01-03)P(.109,.140,.172)(B,P,T,W)<br>INSERT ARRANGEMENT: A, B, C, D, E, F<br>SHELL FINISH: C, N, P<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P, T, W              | /22                 | Glenair                                |
| GOVERNMENT DESIGNATION: M83513/22-( ) ( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-841-04<br>MANUFACTURER DESIGNATION: HMM22-(H03CP)(H03NP)(H03PP)<br>INSERT ARRANGEMENT: A, B, C, D, E, F<br>SHELL FINISH: C, N, P<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P, T, W  | /22                 | HiRel Connectors, Inc.                 |
| GOVERNMENT DESIGNATION: M83513/22-( ) ( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-69-93<br>MANUFACTURER DESIGNATION: MDM22 (A9 thru F37) (01, 02, 03) ( , A174P) (N, P)<br>INSERT ARRANGEMENT: A, B, C, D, E, F<br>SHELL FINISH: C, N<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P                                       | /22                 | ITT Cannon                             |
| GOVERNMENT DESIGNATION: M83513/22-( ) ( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-32-94<br>MANUFACTURER DESIGNATION: M83513/22-( ) ( ) ( )<br>INSERT ARRANGEMENT: A, B, C, D, E, F<br>SHELL FINISH: C, N<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P  | /22                 | Min-E-Con                              |
| GOVERNMENT DESIGNATION: M83513/22-( ) ( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-031-98, 83513-313-90, 83513-310-89, 83513-389-86<br>MANUFACTURER DESIGNATION: 094-5(1 thru 6) (14,24)-(00, 70) (01, 02, 03)<br>INSERT ARRANGEMENT: A, B, C, D, E, F<br>SHELL FINISH: C, N<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P | /22                 | Tyco Electronics                       |
| GOVERNMENT DESIGNATION: M83513/23-G-( ) ( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-286-86<br>MANUFACTURER DESIGNATION: MK-31(2,3,5)-051-1(2,3,4)5-(00,22)00(-0B7)<br>SHELL FINISH: C, N, P<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P, T, W   | /23                 | Airborn, Inc.                          |
| GOVERNMENT DESIGNATION: M83513/23-G-( ) ( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-054-95<br>MANUFACTURER DESIGNATION: 100R ( ) 51PBS ( ) ( )<br>SHELL FINISH: C, N<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P  | /23                 | Amphenol Phoenix Interconnect          |

|   | SPECIFICATION SHEET | SUPPLIER'S NAME (ADDRESS ON LAST PAGE) |
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| GOVERNMENT DESIGNATION: M83513/23-G-( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-284-92<br>MANUFACTURER DESIGNATION: CM23G(01,02,03) (C,N) (N,P)<br>SHELL FINISH: C, N<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P   | /23                 | Cristek Intereconnects, Inc.           |
| GOVERNMENT DESIGNATION: M83513/23-G-( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-094-98, 83513-488-03<br>MANUFACTURER DESIGNATION: MWDM(1-3)-23G-(01-03)P(.109,.140,.172)(B,P,T,W)<br>SHELL FINISH: C, N, P<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P, T, W            | /23                 | Glenair                                |
| GOVERNMENT DESIGNATION: M83513/23-G-( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-841-04<br>MANUFACTURER DESIGNATION: HMM23-(H03CP)(H03NP)(H03PP)<br>SHELL FINISH: C, N, P<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P, T, W  | /23                 | HiRel Connectors, Inc.                 |
| GOVERNMENT DESIGNATION: M83513/23-G-( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-69-93<br>MANUFACTURER DESIGNATION: MDM23G51 (01, 02, 03) ( ,A174P) (N, P)<br>SHELL FINISH: C, N<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P   | /23                 | ITT Cannon                             |
| GOVERNMENT DESIGNATION: M83513/23-G-( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-32-94<br>MANUFACTURER DESIGNATION: M83513/23-G ( ) ( )<br>SHELL FINISH: C, N<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P  | /23                 | Min-E-Con                              |
| GOVERNMENT DESIGNATION: M83513/23-G-( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-031-98, 83513-313-90, 83513-310-89, 83513-389-86<br>MANUFACTURER DESIGNATION: 094-57 (14, 24) - (00, 70) (01, 02, 03)<br>SHELL FINISH: C, N<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P | /23                 | Tyco Electronics                       |
| GOVERNMENT DESIGNATION: M83513/24-H-( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-286-86<br>MANUFACTURER DESIGNATION: MK-41(2,3,5)-100-1(2,3,4)5-(00,62)00(-0B7)<br>SHELL FINISH: C, N, P<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P, T, W                               | /24                 | Airborn, Inc.                          |
| GOVERNMENT DESIGNATION: M83513/24-H-( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-054-35<br>MANUFACTURER DESIGNATION: 100R( )100PBS( ) ( )<br>SHELL FINISH: C, N<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P  | /24                 | Amphenol Phoenix Interconnect          |



|  | SPECIFICATION SHEET | SUPPLIER'S NAME (ADDRESS ON LAST PAGE) |
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| GOVERNMENT DESIGNATION: M83513/24-H-( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-006-95<br>MANUFACTURER DESIGNATION: 288-(61 thru66)-(00)-(0,1,2)(01)<br>SHELL FINISH: C, N<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P   | /24                 | Cinch Connectors, Inc.                 |
| GOVERNMENT DESIGNATION: M83513/24-H-( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-284-92<br>MANUFACTURER DESIGNATION: CM24H(01,02,03)(C,N)(N,P)<br>SHELL FINISH: C, N<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P  | /24                 | Cristek Intereconnects, Inc.           |
| GOVERNMENT DESIGNATION: M83513/24-H-( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-094-98, 83513-488-03<br>MANUFACTURER DESIGNATION: MWDM(1-3)-24H-(01-03)P(.109,.140,.172)(B,P,T,W)<br>SHELL FINISH: C, N, P<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P, T, W                                       | /24                 | Glenair                                |
| GOVERNMENT DESIGNATION: M83513/24-H-( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-841-04<br>MANUFACTURER DESIGNATION: HMM24-(H03CP)(H03NP)(H03PP)<br>SHELL FINISH: C, N, P<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P, T, W   | /24                 | HiRel Connectors, Inc.                 |
| GOVERNMENT DESIGNATION: M83513/24-H-( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-69-93<br>MANUFACTURER DESIGNATION: MDM24H100(01,02,03)(,A174P)(N,P)<br>SHELL FINISH: C, N<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P  | /24                 | ITT Cannon                             |
| GOVERNMENT DESIGNATION: M83513/24-H-( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-32-94<br>MANUFACTURER DESIGNATION: M83513/24-H( ) ( )<br>SHELL FINISH: C, N<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P  | /24                 | Min-E-Con                              |
| GOVERNMENT DESIGNATION: M83513/24-H-( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-031-98, 83519-313-90, 83513-310-89, 83513-389-86<br>MANUFACTURER DESIGNATION: 094-59(14,24)-(00,70)(01,02,03)<br>SHELL FINISH: C, N<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P                                    | /24                 | Tyco Electronics                       |
| GOVERNMENT DESIGNATION: M83513/25-( ) ( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-286-86<br>MANUFACTURER DESIGNATION: MK-22(2,3,5)-(009 thru 037)-2(2,3,4)5-(00,22)00-(900,0B7)<br>INSERT ARRANGEMENT: A, B, C, D, E, F<br>SHELL FINISH: C, N, P<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P, T, W | /25                 | Airborn, Inc.                          |

|  | SPECIFICATION SHEET | SUPPLIER'S NAME (ADDRESS ON LAST PAGE) |
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| GOVERNMENT DESIGNATION: M83513/25-( ) ( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-054-95<br>MANUFACTURER DESIGNATION: 100R ( ) ( )SBS ( ) ( )<br>INSERT ARRANGEMENT: A, B, C, D, E, F<br>SHELL FINISH: C, N<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P  | /25                 | Amphenol Phoenix Interconnect          |
| GOVERNMENT DESIGNATION: M83513/25-( ) ( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-006-95<br>MANUFACTURER DESIGNATION: 289-(61thru 66)-(10 thru 80)-(0,1,2)(01)<br>INSERT ARRANGEMENT: A, B, C, D, E, F<br>SHELL FINISH: C, N<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P                                   | /25                 | Cinch Connectors, Inc.                 |
| GOVERNMENT DESIGNATION: M83513/25-( ) ( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-284-92<br>MANUFACTURER DESIGNATION: CM25 (A thru F)(01,02,03)(C,N)(N,P)<br>INSERT ARRANGEMENT: A, B, C, D, E, F<br>SHELL FINISH: C, N<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P  | /25                 | Cristek Intereconnects, Inc.           |
| GOVERNMENT DESIGNATION: M83513/25-( ) ( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-094-98, 83513-488-03<br>MANUFACTURER DESIGNATION: MWDM(1-3)-25(A-F)-(01-03)S(.109,.140,.172)(B,P,T,W)<br>INSERT ARRANGEMENT: A, B, C, D, E, F<br>SHELL FINISH: C, N, P<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P, T, W | /25                 | Glenair                                |
| GOVERNMENT DESIGNATION: M83513/25-( ) ( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-841-04<br>MANUFACTURER DESIGNATION: HMM25-(H03CT)(H03NT)(H03PT)<br>INSERT ARRANGEMENT: A, B, C, D, E, F<br>SHELL FINISH: C, N, P<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P, T, W                                       | /25                 | HiRel Connectors, Inc.                 |
| GOVERNMENT DESIGNATION: M83513/25-( ) ( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-69-93<br>MANUFACTURER DESIGNATION: MDM25(A9 thru F37)(01,02,03)(A174P)(N,P)<br>INSERT ARRANGEMENT: A, B, C, D, E, F<br>SHELL FINISH: C, N<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P                                    | /25                 | ITT Cannon                             |
| GOVERNMENT DESIGNATION: M83513/25-( ) ( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-32-94<br>MANUFACTURER DESIGNATION: M83513/25-( ) ( ) ( )<br>INSERT ARRANGEMENT: A, B, C, D, E, F<br>SHELL FINISH: C, N<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P   | /25                 | Min-E-Con                              |

|  | SPECIFICATION SHEET | SUPPLIER'S NAME (ADDRESS ON LAST PAGE) |
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| GOVERNMENT DESIGNATION: M83513/25-( ) ( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-031-98, 83513-313-90, 83513-310-89, 83513-389-86<br>MANUFACTURER DESIGNATION: 094-5(1 thru 6)(16,26)-(00,70)(04,05,06)<br>INSERT ARRANGEMENT: A, B, C, D, E, F<br>SHELL FINISH: C, N<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P | /25                 | Tyco Electronics                       |
| GOVERNMENT DESIGNATION: M83513/26-G-( ) ( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 85313-286-86<br>MANUFACTURER DESIGNATION: MK-32(2,3,5)-051-2(2,3,4)5-(00,22)00-(900,0B7)<br>SHELL FINISH: C, N, P<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P, T, W  | /26                 | Airborn, Inc.                          |
| GOVERNMENT DESIGNATION: M83513/26-G-( ) ( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-054-95<br>MANUFACTURER DESIGNATION: 100R ( ) 51SBS( ) ( )<br>SHELL FINISH: C, N<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P  | /26                 | Amphenol Phoenix Interconnect          |
| GOVERNMENT DESIGNATION: M83513/26-G-( ) ( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-006-95<br>MANUFACTURER DESIGNATION: 289-(61 thru 66)-(90)-(0,1,2)(01)<br>SHELL FINISH: C, N<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P  | /26                 | Cinch Connectors, Inc.                 |
| GOVERNMENT DESIGNATION: M83513/26-G-( ) ( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-284-92<br>MANUFACTURER DESIGNATION: CM26G(01,02,03)(C,N)(N,P)<br>SHELL FINISH: C, N<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P  | /26                 | Cristek Intereconnects, Inc.           |
| GOVERNMENT DESIGNATION: M83513/26-G-( ) ( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-094-98, 83513-488-03<br>MANUFACTURER DESIGNATION: MWDM(1-3)-26G-(01-03)S(.109,.140,.172)(B,P,T,W)<br>SHELL FINISH: C, N, P<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P, T, W   | /26                 | Glenair                                |
| GOVERNMENT DESIGNATION: M83513/26-G-( ) ( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-841-04<br>MANUFACTURER DESIGNATION: HMM26-(H03CT)(H03NT)(H03PT)<br>SHELL FINISH: C, N, P<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P, T, W   | /26                 | HiRel Connectors, Inc.                 |
| GOVERNMENT DESIGNATION: M83513/26-G-( ) ( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-69-93<br>MANUFACTURER DESIGNATION: MDM26G51(01,02,03)( ,A174P)(N,P)<br>SHELL FINISH: C, N<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P  | /26                 | ITT Cannon                             |

|  | SPECIFICATION SHEET | SUPPLIER'S NAME (ADDRESS ON LAST PAGE) |
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| GOVERNMENT DESIGNATION: M83513/26-G-()()<br>TEST OR QUALIFICATION REFERENCE: 83513-32-94<br>MANUFACTURER DESIGNATION: M83513/26-G()()<br>SHELL FINISH: C, N<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P  | /26                 | Min-E-Con                              |
| GOVERNMENT DESIGNATION: M83513/26-G-()()<br>TEST OR QUALIFICATION REFERENCE: 83513-031-98, 83513-313-90, 83513-310-89, 83513-389-86<br>MANUFACTURER DESIGNATION: 094-57 (16,26)-(00,70)(04,05)<br>SHELL FINISH: C, N<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P | /26                 | Tyco Electronics                       |
| GOVERNMENT DESIGNATION: M83513/27-H-()()<br>TEST OR QUALIFICATION REFERENCE: 83513-286-86<br>MANUFACTURER DESIGNATION: MK-42(2,3,5)-100-2(2,3,4)5-(00,62)00-(900,0B7)<br>SHELL FINISH: C, N, P<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P, T, W                 | /27                 | Airborn, Inc.                          |
| GOVERNMENT DESIGNATION: M83513/27-H-()()<br>TEST OR QUALIFICATION REFERENCE: 83513-054-95<br>MANUFACTURER DESIGNATION: 100R () 100SBS ()()<br>SHELL FINISH: C, N<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P   | /27                 | Amphenol Phoenix Interconnect          |
| GOVERNMENT DESIGNATION: M83513/27-H-()()<br>TEST OR QUALIFICATION REFERENCE: 83513-006-95<br>MANUFACTURER DESIGNATION: 289-(61 thru 66)-(00)-(0,1,2)(01)<br>SHELL FINISH: C, N<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P                                       | /27                 | Cinch Connectors, Inc.                 |
| GOVERNMENT DESIGNATION: M83513/27-H-()()<br>TEST OR QUALIFICATION REFERENCE: 83513-284-92<br>MANUFACTURER DESIGNATION: CM27H (01, 02, 03) (C, N) (N, P)<br>SHELL FINISH: C, N<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P  | /27                 | Cristek Intereconnects, Inc.           |
| GOVERNMENT DESIGNATION: M83513/27-H-()()<br>TEST OR QUALIFICATION REFERENCE: 83513-094-98, 83513-488-03<br>MANUFACTURER DESIGNATION: MWDM(1-3)-27H)-(01-03)S(.109,.140,.172)(B,P,T,W)<br>SHELL FINISH: C, N, P<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P, T, W | /27                 | Glenair                                |
| GOVERNMENT DESIGNATION: M83513/27-H-()()<br>TEST OR QUALIFICATION REFERENCE: 83513-841-04<br>MANUFACTURER DESIGNATION: HMM27-(H03CT)(H03NT)(H03PT)<br>SHELL FINISH: C, N, P<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P, T, W                                    | /27                 | HiRel Connectors, Inc.                 |

|  | SPECIFICATION SHEET | SUPPLIER'S NAME (ADDRESS ON LAST PAGE) |
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| GOVERNMENT DESIGNATION: M83513/27-H-( ) ( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-69-93<br>MANUFACTURER DESIGNATION: MDM27H100 (01, 02, 03) ( ,A174P) (N, P)<br>SHELL FINISH: C, N<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P   | /27                 | ITT Cannon                             |
| GOVERNMENT DESIGNATION: M83513/27-H-( ) ( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-32-94<br>MANUFACTURER DESIGNATION: M83513/27-H ( ) ( ) ( )<br>SHELL FINISH: C, N<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P   | /27                 | Min-E-Con                              |
| GOVERNMENT DESIGNATION: M83513/27-H-( ) ( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-031-98, 83513-313-90, 83513-310-89, 83513-389-86<br>MANUFACTURER DESIGNATION: 094-59 (16,26) - (00,70) (01,02,03)<br>SHELL FINISH: C, N<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P  | /27                 | Tyco Electronics                       |
| GOVERNMENT DESIGNATION: M83513/28-( ) ( ) ( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-962-04<br>MANUFACTURER DESIGNATION: MK-23(2,3,5)-0(009 thru 037)-1(2,3,4)5-(00,22)00-(0B7)<br>SHELL FINISH: C, N, P<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P, T, W  | /28                 | Airborn, Inc.                          |
| GOVERNMENT DESIGNATION: M83513/28-( ) ( ) ( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-819-04<br>MANUFACTURER DESIGNATION: MWDM(1 thru 3)-28-(A thru F)-(01 thru 03)P-(.109 thru .172)(N thru W)<br>INSERT ARRANGEMENT: A, B, C, D, E, F<br>SHELL FINISH: C, N, P<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P, T, W | /28                 | Glenair, Inc.                          |
| GOVERNMENT DESIGNATION: M83513/28-( ) ( ) ( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-841-04<br>MANUFACTURER DESIGNATION: HMM28-(H03CP)(H03NP)(H03PP)<br>INSERT ARRANGEMENT: A, B, C, D, E, F<br>SHELL FINISH: C, N, P<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P, T, W   | /28                 | HiRel Connectors, Inc.                 |
| GOVERNMENT DESIGNATION: M83513/29-( ) ( ) ( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-819-04<br>MANUFACTURER DESIGNATION: MWDM(1 thru 3)-29-G-(01 thru 03)P-(.109 thru .172)(N thru W)<br>INSERT ARRANGEMENT: G<br>SHELL FINISH: C, N, P<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P, T, W                         | /29                 | Glenair, Inc.                          |
| GOVERNMENT DESIGNATION: M83513/29-G-( ) ( ) ( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-962-04<br>MANUFACTURER DESIGNATION: MK-33(2,3,5)-051-1(2,3,4)5-(00,22)00-(0B7)<br>SHELL FINISH: C, N, P<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P, T, W  | /29                 | Airborn, Inc.                          |

|  | SPECIFICATION SHEET | SUPPLIER'S NAME (ADDRESS ON LAST PAGE) |
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| GOVERNMENT DESIGNATION: M83513/29-G-( ) ( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-841-04<br>MANUFACTURER DESIGNATION: HMM29-(H03CP)(H03NP)(H03PP)<br>SHELL FINISH: C, N, P<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P, T, W   | /29                 | HiRel Connectors, Inc.                 |
| GOVERNMENT DESIGNATION: M83513/30-( ) ( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-841-04<br>MANUFACTURER DESIGNATION: MWDM(1 thru 3)-30-H-(01 thru 03)P-(.109 thru .172)(N thru W)<br>INSERT ARRANGEMENT: H<br>SHELL FINISH: C, N, P<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P, T, W                             | /30                 | Glenair, Inc.                          |
| GOVERNMENT DESIGNATION: M83513/30-H-( ) ( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-962-04<br>MANUFACTURER DESIGNATION: MK-43(2,3,5)-100-1(2,3,4)5-(00,62)00-(0B7)<br>SHELL FINISH: C, N, P<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P, T, W  | /30                 | Airborn, Inc.                          |
| GOVERNMENT DESIGNATION: M83513/30-H-( ) ( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-841-04<br>MANUFACTURER DESIGNATION: HMM30-(H03CP)(H03NP)(H03PP)<br>SHELL FINISH: C, N, P<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P, T, W   | /30                 | HiRel Connectors, Inc.                 |
| GOVERNMENT DESIGNATION: M83513/31-( ) ( ) ( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-962-04<br>MANUFACTURER DESIGNATION: MK-24(2,3,5)-0(09,15,21,25,31,37)-2(2,3,4)5-(00,22)00-(900,0B7)<br>SHELL FINISH: C, N, P<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P, T, W   | /31                 | Airborn, Inc.                          |
| GOVERNMENT DESIGNATION: M83513/31-( ) ( ) ( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-819-04<br>MANUFACTURER DESIGNATION: MWDM(1 thru 3)-31-(A thru F)-(01 thru 03)S-(.109 thru .172)(N thru W)<br>INSERT ARRANGEMENT: A, B, C, D, E, F<br>SHELL FINISH: C, N, P<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P, T, W | /31                 | Glenair, Inc.                          |
| GOVERNMENT DESIGNATION: M83513/31-( ) ( ) ( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-841-04<br>MANUFACTURER DESIGNATION: HMM31-(H03CT)(H03NT)(H03PT)<br>INSERT ARRANGEMENT: A, B, C, D, E, F<br>SHELL FINISH: C, N, P<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P, T, W   | /31                 | HiRel Connectors, Inc.                 |
| GOVERNMENT DESIGNATION: M83513/32-( ) ( ) ( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-819-04<br>MANUFACTURER DESIGNATION: MWDM(1 thru 3)-32-G-(01 thru 03)S-(.109 thru .172)(N thru W)<br>INSERT ARRANGEMENT: G<br>SHELL FINISH: C, N, P<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P, T, W                         | /32                 | Glenair, Inc.                          |

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| GOVERNMENT DESIGNATION: M83513/32-G-( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-962-04<br>MANUFACTURER DESIGNATION: MK-34(2,3,5)-051-2(2,3,4)5-(00,22)00-(900,0B7)<br>SHELL FINISH: C, N, P<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P, T, W  | /32 Airborn, Inc.                      |
| GOVERNMENT DESIGNATION: M83513/32-G-( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-841-04<br>MANUFACTURER DESIGNATION: HMM32-(H03CT)(H03NT)(H03PT)<br>SHELL FINISH: C, N, P<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P, T, W   | /32 HiRel Connectors, Inc.             |
| GOVERNMENT DESIGNATION: M83513/33-( ) ( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-819-04<br>MANUFACTURER DESIGNATION: MWDM(1 thru 3)-33-H-(01 thru 03)S-(.109 thru .172)(N thru W)<br>INSERT ARRANGEMENT: H<br>SHELL FINISH: C, N, P<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P, T, W | /33 Glenair, Inc.                      |
| GOVERNMENT DESIGNATION: M83513/33-H-( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-962-04<br>MANUFACTURER DESIGNATION: MK-44(2,3,5)-100-2(2,3,4)5-(00,62)00-(900,0B7)<br>SHELL FINISH: C, N, P<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P, T, W  | /33 Airborn, Inc.                      |
| GOVERNMENT DESIGNATION: M83513/33-H-( ) ( )<br>TEST OR QUALIFICATION REFERENCE: 83513-841-04<br>MANUFACTURER DESIGNATION: HMM33-(H03CT)(H03NT)(H03PT)<br>SHELL FINISH: C, N, P<br>TERMINATION LENGTH: 01, 02, 03<br>HARDWARE: N, P, T, W   | /33 HiRel Connectors, Inc.             |

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## Manufacturer and Supplier Location Information

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**Manufacturer: Airborn, Inc. (CAGE Code: 10400)**

Location: 4321 Airborn Drive, Addison, TX 75001-0519, US

Plant Locations:

1. Same Address as Manufacturer
2. Airborn, Inc. (Georgetown, TX), P.O. Box 78, 215 West Royal Drive, Georgetown, TX 78626, US

**Manufacturer: Amphenol Phoenix Interconnect (CAGE Code: 0AEZ1)**

Location: 15445 Redhill Avenue, Suite A, Tustin, CA 92780, US

Plant Location: Same Address as Manufacturer

**Manufacturer: Axon Cable, Inc. (CAGE Code: 0K0J2)**

Location: 1314 Plum Grove Road, Schaumburg, IL 60173-4546, US

Plant Location: Same Address as Manufacturer

**Manufacturer: Cinch Connectors, Inc. (CAGE Code: 71785)**

Location: 1700 Finley Road, Lombard, IL 60148-4890, US

Plant Location: Cinch Connector (Vinita, OK), 820 North Wilson Avenue, Vinita, OK 74301, US

**Manufacturer: Cristek Intereconnects, Inc. (CAGE Code: 67720)**

Location: 1301 S. Lewis Street, Anaheim, CA 92805, US

Plant Location: Same Address as Manufacturer

**Manufacturer: Glenair, Inc. (CAGE Code: 06324)**

Location: 1211 Air Way, Glendale, CA 91201-2497, US

Plant Locations:

1. Same Address as Manufacturer
2. CAGE Code: 0CA77, 7000 N. Lawndale Avenue, Lincolnwood, IL 60645-2610

**Manufacturer: HiRel Connectors, Inc. (CAGE Code: 34222)**

Location: 760 W. Wharton Drive, Claremont, CA 91711-4800, US

Plant Location: Same Address as Manufacturer

**Manufacturer: Hi-Tech Swiss Engineering (CAGE Code: 15286)**

Location: 4079 Oceanside Boulevard, Suite G, Oceanside, CA 92956, US

Plant Location: Same Address as Manufacturer

**Manufacturer: ITT Cannon (CAGE Code: 71468)**

Location: 666 East Dyer Road, Santa Ana, CA 92702-0929, US

Plant Locations:

1. Same Address as Manufacturer
2. ITT Cannon (Mexico), Prolongacion, Avenieda Obregon #3673, Nogales, Sonora, Mexico, Mexico

**Manufacturer: Min-E-Con (CAGE Code: 54455)**

Location: 17312 Eastman, Irvine, CA 92614, US

Plant Location: Same Address as Manufacturer

**Manufacturer: Tyco Electronics (CAGE Code: 98278)**

Location: 2901 Fulling Mill Road, Middletown, PA 17057, US

Plant Location: Tyco Electronics-Microdot, Ave. Obrero Mundial No. 9, Parque Industrial Dynatech C.P. 83200, Hermosillo, Sonora, Mexico