

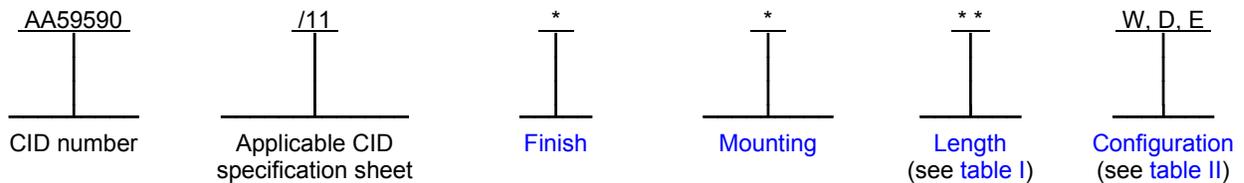
COMMERCIAL ITEM DESCRIPTION  
SPECIFICATION SHEET

HOLDER, ELECTRICAL CARD, WEDGE RETAINERS, 3 PIECE,  
SCREW ACTUATED DRIVE, .240 X .180 INCH BODY SIZE

The General Services Administration has authorized the use of this  
commercial item description for all federal agencies.

The complete requirements for procuring electrical card holders described herein shall consist of this document and  
the latest issue in effect of A-A-59590.

CLASSIFICATION/PART IDENTIFICATION NUMBER (PIN). This commercial item description (CID) specification  
sheet uses a classification system which is included in the Part Identification Number (PIN) as shown in the following  
example (see [notes](#)).



Example: AA59590/11BV38 is the PIN for a black anodize finished, 3.8 inch long card holder. The card holder also  
features two tapped mounting holes for use with 2-56 UNC 2B fasteners.

SALIENT CHARACTERISTICS.

Performance. Card holders shall hold the circuit card assembly firmly in its installed position. When the card holder  
is installed properly, it is capable of withstanding 60g/6ms of shock, 25 G-rms of vibration, and provides from 2 to 4  
degrees C/W/inch thermal resistance transfer between the circuit card assembly and the heat sink surfaces.

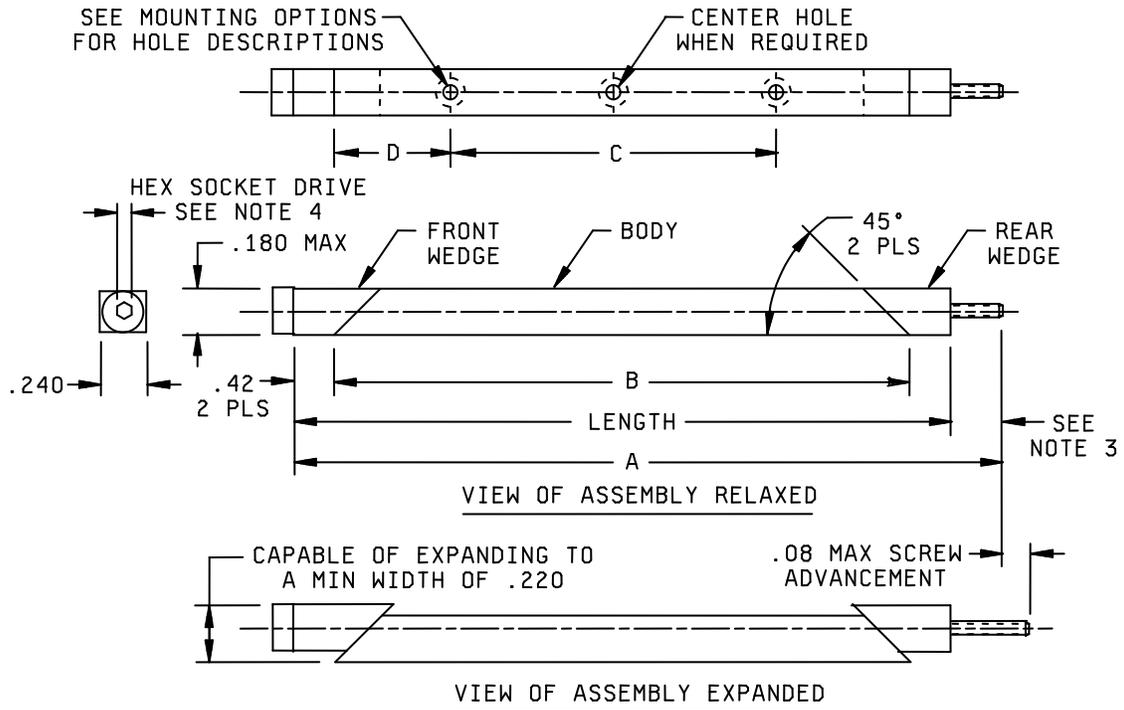
Material. Unless otherwise specified herein, the card holder materials shall be as specified in [A-A-59590](#).

Interface and physical dimensions. The card holders supplied to this CID specification sheet shall be as specified on  
[figures 1, 2, 3](#), in [table I](#), and [A-A-59590](#).

Actuating screw hex drive socket. The across flats dimension for the hex drive socket shall be as follows: .094 inch  
(2.38 mm) for mounting options "J", "K", "N", "T", "R", "V", and "S" and 2.5 mm (.098 inch) for mounting options "G"  
and "M".

Nominal installation torque. When card holders are used in cold plate applications, the nominal installation torque of  
each card holder shall be 4 to 6 inch-pounds (0.45 to 0.68 N-m).

Cold plate slot width dimensions (when applicable). The recommended cold plate slot width to accommodate the  
circuit card assembly with attached card holder is .210 inch (5.33 mm) plus the thickness of the printed board of the  
circuit card assembly (see [A-A-59590](#)).



Inches	mm	Inches	mm	Inches	mm
.08	2.0	.220	5.59	.42	10.7
.180	4.57	.240	6.09		

NOTES:

1. Dimensions are in inches. Millimeters are given for general information only.
2. Unless otherwise specified, tolerances are  $\pm 0.02$  inch (0.5 mm) for two place decimals and  $\pm 0.010$  inch (0.25 mm) for three place decimals.
3. Dimension shall be .20 inch (5.1 mm) maximum on card holders without option "W" or "D" and .30 inch (7.6 mm) maximum on card holders with option "W" or "D".
4. The across flats dimension for hex drive socket shall be .094 inch (2.38 mm) for mounting options "J", "K", "N", "T", "R", "V", and "S". The across flats dimension for hex drive socket shall be a metric dimension of 2.5 mm (.098 inch) across flats for mounting options "G" and "M".

FIGURE 1. Relaxed and expanded dimensions.

**Finish.** The finish designator shall be as specified in [A-A-59590](#). The wedge body finishes available for this CID specification sheet are as follows: "B" (black anodize), "C" (gold chemical film), "E" (electroless nickel), "H" (hard black anodize), "R" (clear chemical film).

**Mounting.** The mounting designators shall be as specified in [A-A-59590](#). The mounting options available for this CID specification sheet are as follows: "J" or "K" (rivet mounting holes), "N" (no mounting holes), "T" or "R" (tapped 0-80 UNF 2B holes), "V" or "S" (tapped 2-56 UNC 2B holes), or "G" or "M" (tapped M2.5 x.45 metric holes). Card holders using mounting option "J" may be shipped unassembled. See figure 1 for mounting hole spacing requirements.

**Mounting hole locations (when required).** Two mounting holes are required on card holders less than 5.30 inches (134.6 mm) in length. Three mounting holes are required on card holders 5.30 inches (134.6 mm) or greater in length. The third mounting hole shall be centered on the mounting body. See [figure 1](#) and table I for mounting hole locations and spacing requirements.

**Rivet mounting holes.** The holes used for rivet mounting shall be .066 to .073 inch (1.68 to 1.85 mm) diameter through holes, countersunk 100 degrees by .140 inch (3.56 mm) diameter with an access/clearance counterbore hole of .156 inch (3.96 mm) diameter by .130 to .140 inch (3.30 to 3.56 mm) deep.

**Rivets.** This card holder uses rivet style A as specified in [A-A-59590](#) when rivet mounting is used.

**Length, expanded, and relaxed dimensions.** The length, expanded, and relaxed dimensions shall be as specified on [figure 1](#). The length designator shall be as specified in [A-A-59590](#) and the available lengths for this specification sheet are listed in table I.

TABLE I. *Additional assembly dimensions (see [figure 1](#)). 1/*

PIN length designator	Dimension "LENGTH" ±.02 (0.5)	Dimension "A" (maximum)		Dimension "B" ±.02 (0.5)	Dimension "C" ±.005 (0.13)	Dimension "D" ±.01 (0.3)
		Without options "W" or "D"	With options "W" or "D"			
18	1.8 (45.7)	2.00 (50.8)	2.10 (53.3)	.95 (24.1)	.40 (10.2)	.275 (6.99)
23	2.3 (58.4)	2.50 (63.5)	2.60 (66.0)	1.45 (36.8)	.70 (17.8)	.370 (9.39)
28	2.8 (71.1)	3.00 (76.2)	3.10 (78.7)	1.95 (49.5)	.90 (22.9)	.525 (13.3)
30	3.0 (76.2)	3.20 (81.3)	3.30 (83.8)	2.15 (54.6)	1.10 (27.9)	.525 (13.3)
33	3.3 (83.8)	3.50 (88.9)	3.6.0 (91.4)	2.45 (62.2)	1.40 (35.6)	.525 (13.3)
35	3.5 (88.9)	3.70 (94.0)	3.80 (96.5)	2.65 (67.3)	1.60 (40.6)	.525 (13.3)
38	3.8 (96.5)	4.00 (101.6)	4.10 (104.1)	2.95 (74.9)	1.90 (48.3)	.525 (13.3)
40	4.0 (101.6)	4.20 (106.4)	4.30 (109.2)	3.15 (80.0)	2.10 (53.3)	.525 (13.3)
43	4.3 (109.2)	4.50 (114.3)	4.60 (116.8)	3.45 (87.6)	2.40 (60.9)	.525 (13.3)
45	4.5 (114.3)	4.70 (119.4)	4.80 (121.9)	3.65 (92.7)	2.60 (66.0)	.525 (13.3)
48	4.8 (121.9)	5.00 (127.0)	5.10 (129.5)	3.95 (100.3)	2.90 (73.7)	.525 (13.3)
50	5.0 (127.0)	5.20 (132.1)	5.30 (134.6)	4.15 (105.4)	3.10 (78.7)	.525 (13.3)
53	5.3 (134.6)	5.50 (139.7)	5.60 (142.2)	4.45 (113.0)	3.40 (86.4)	.525 (13.3)
58	5.8 (147.3)	6.00 (152.4)	6.10 (154.9)	4.95 (125.7)	3.90 (99.1)	.525 (13.3)

1/ Dimensions are in inches. Millimeters, in parenthesis, are given for general information only.

Configuration. The configuration of a card holder shall be as specified in table II. The details of a particular configuration consist of those on figure 1, and may include those on figures 2, and 3. Card holders not requiring the options described by table II shall leave the configuration position in the PIN blank.

TABLE II. Configurations.

Configuration	Applicable figures	Hardware options
---	1	No added options
W	1 and 2	Lockwasher and flat washer
E	1 and 3	Screw self-locking element
D	1, 2, and 3	Lockwasher, flat washer and screw self-locking element

Lockwasher and flat washer (see figure 2). The use of a lockwasher and flat washer located under the screw head will provide additional resistance to loosening of the card holder assembly from shock and vibration. Card holders requiring a lockwasher and flat washer shall include a suffix "W" in the PIN (see table II, classification and notes).

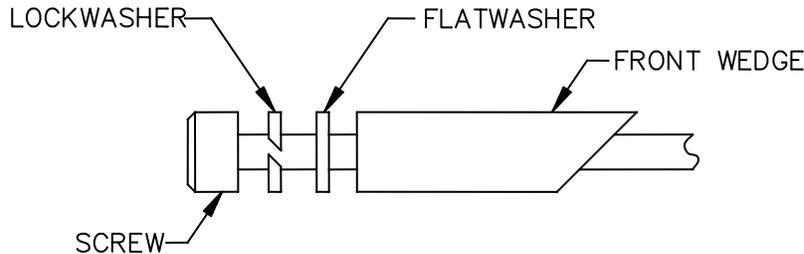


FIGURE 2. Lockwasher and flat washer details.

Screw self-locking element (see figure 3). The use of a screw self-locking element on the screw will provide prevailing torque for increased resistance to loosening of the card holder assembly from shock and vibration. The screw self-locking element shall be as specified in A-A-59590. Card holders requiring a screw self-locking element shall include a suffix "E" in the PIN (see table II, classification and notes).

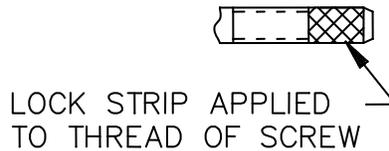


FIGURE 3. Screw self-locking element details.

Lockwasher, flat washer, and screw self-locking element. Card holders requiring a lockwasher, flat washer, and screw self-locking element configuration shall include a suffix "D" in the PIN (see table II, classification and notes).

NOTES.

PIN. The PIN should be used for Government purposes to buy commercial products to this CID specification sheet. See the classification section for PIN format example.

Source of documents.

Commercial Item Description

[A-A-59590](#) – Holder, Electrical Card, Wedge Retainers, 3 Piece, Screw Actuated Drive, General Requirements For.

(Copies of these documents are available online at <http://quicksearch.dla.mil> or <https://assist.dla.mil> or from the Standardization Document Order Desk, 700 Robbins Avenue, Building 4D, Philadelphia, PA 19111-5094.)

Ordering data. Ordering data shall be as specified in [A-A-59590](#).

Commercial products. As part of the market analysis and research effort, this CID specification sheet was coordinated with the following manufacturers of commercial products. At the time of CID specification sheet preparation and coordination, these manufacturers were known to have commercial products that would meet the requirements of this CID specification sheet. (NOTE: This information should not be considered as a list of approved manufacturers or be used to restrict procurement to only the manufacturers shown.)

<u>Manufacturer CAGE</u>	<u>Manufacturer name and address</u>	<u>Manufacturer contact information</u>
18915	Birtcher – A Division of Pentair Electronic Packaging 7328 Trade Street San Diego, CA 92121-3410	Telephone: (858) 740-2400 Toll Free: (800) 854-7086 Facsimile: (858) 740-2430 (URL): <a href="http://www.birtcherproducts.com">www.birtcherproducts.com</a>
61081	Calmark – A Division of Pentair Electronic Packaging 7328 Trade Street San Diego, CA 92121-3410	Telephone: (858) 740-2400 Toll Free: (800) 854-7086 Facsimile: (858) 740-2430 Electronic mail: <a href="mailto:sales@calmark.com">sales@calmark.com</a> URL: <a href="http://www.calmark.com">www.calmark.com</a>
5BG68	American Circuit Card Retainers, Inc. 2310 E. Orangethorpe Avenue Anaheim, CA 92806-1231	Telephone: (714) 738-6194 Facsimile: (714) 446-0119 E-mail: <a href="mailto:sales@accrmfg.com">sales@accrmfg.com</a> URL: <a href="http://www.accrmfg.com">www.accrmfg.com</a>
3E7U8	Wakefield Solutions 200 Towerview Court Cary, NC 27513	Telephone: (919) 469-2004 Facsimile: (919) 469-2827 E-mail: <a href="mailto:wedgelocks@wakefield.com">wedgelocks@wakefield.com</a> URL: <a href="http://www.wakefield.com">www.wakefield.com</a>

Part number supersession data. This CID specification sheet PINs supersede the following manufacturer's part numbers in [table III](#) and on DESC Drawing 84103 ([table IV](#)) as shown. The CID PINs listed in [table III](#) are only for length designator "28". See [table V](#) for CID PIN construction using other available lengths for this specification sheet. This information is being provided to assist in reducing proliferation in the Government inventory system.

TABLE III. Commercial part number supersession data.

PIN designator AA59590/11	Vendor similar designator or type part number <a href="#">1/</a> <a href="#">2/</a>			
	CAGE 18915	CAGE 61081	CAGE 5BG68	CAGE 3E7UB
BJ28	41-6-B	A240-2.80H	3240BA-2.80H	418B-280RSB
BN28	41-6-B-A	A240-2.80	3240BA-2.80	418B-280ASB
BT28	41-6-B-T	A240-2.80T0	3240BA-2.80T0	418B-280TSB
BV28	41-6-B-S	A240-2.80T2	3240BA-2.80T2	418B-280SSB
BG28	41-6-B-M	MA240-2.80TM2.5	3240MBA-2.80TM2.5	418B-280MMB
BJ28W	41-6-B-LF	WA240-2.80H	3240WBA-2.80H	418B-280RSB-W
BN28W	41-6-B-LF-A	WA240-2.80	3240WBA-2.80	418B-280ASB-W
BT28W	41-6-B-LF-T	WA240-2.80T0	3240WBA-2.80T0	418B-280TSB-W
BV28W	41-6-B-LF-S	WA240-2.80T2	3240WBA-2.80T2	418B-280SSB-W
BG28W	41-6-B-LF-M	MWA240-2.80TM2.5	3240MWBA-2.80TM2.5	418B-280MMB-W
BJ28E	41-6-B-L	A240-2.80HL	3240BA-2.80HL	418B-280RSB-P
BN28E	41-6-B-A-L	A240-2.80L	3240BA-2.80L	418B-280ASB-P
BT28E	41-6-B-T-L	A240-2.80T0L	3240BA-2.80T0L	418B-280TSB-P
BV28E	41-6-B-S-L	A240-2.80T2L	3240BA-2.80T2L	418B-280SSB-P
BG28E	41-6-B-M-L	MA240-2.80TM2.5L	3240MBA-2.80TM2.5L	418B-280MMB-P
BJ28D	41-6-B-LF-L	WA240-2.80HL	3240WBA-2.80HL	418B-280RSB-WP
BN28D	41-6-B-LF-A-L	WA240-2.80L	3240WBA-2.80L	418B-280ASB-WP
BT28D	41-6-B-LF-T-L	WA240-2.80T0L	3240WBA-2.80T0L	418B-280TSB-WP
BV28D	41-6-B-LF-S-L	WA240-2.80T2L	3240WBA-2.80T2L	418B-280SSB-WP
BG28D	41-6-B-LF-M-L	MWA240-2.80TM2.5L	3240MWBA-2.80TM2.5L	418B-280MMB-WP
CJ28	41-6	240-2.80H	3240CG-2.80H	418B-280RSG
CN28	41-6-A	240-2.80	3240CG-2.80	418B-280ASG
CT28	41-6-T	240-2.80T0	3240CG-2.80T0	418B-280TSG
CV28	41-6-S	240-2.80T2	3240CG-2.80T2	418B-280SSG
CG28	41-6-M	M240-2.80TM2.5	3240MCG-2.80TM2.5	418B-280MMG
CJ28W	41-6-LF	W240-2.80H	3240WCG-2.80H	418B-280RSG-W
CN28W	41-6-LF-A	W240-2.80	3240WCG-2.80	418B-280ASG-W
CT28W	41-6-LF-T	W240-2.80T0	3240WCG-2.80T0	418B-280TSG-W
CV28W	41-6-LF-S	W240-2.80T2	3240WCG-2.80T2	418B-280SSG-W
CG28W	41-6-LF-M	MW240-2.80TM2.5	3240MWCG-2.80TM2.5	418B-280MMG-W

See footnotes at end of table.

TABLE III. Commercial part number supersession data – Continued.

PIN designator AA59590/11	Vendor similar designator or type part number <a href="#">1/</a> <a href="#">2/</a>			
	CAGE 18915	CAGE 61081	CAGE 5BG68	CAGE 3E7UB
CJ28E	41-6-L	240-2.80HL	3240CG-2.80HL	418B-280RSG-P
CN28E	41-6-A-L	240-2.80L	3240CG-2.80L	418B-280ASG-P
CT28E	41-6-T-L	240-2.80T0L	3240CG-2.80T0L	418B-280TSG-P
CV28E	41-6-S-L	240-2.80T2L	3240CG-2.80T2L	418B-280SSG-P
CG28E	41-6-M-L	M240-2.80TM2.5L	3240MCG-2.80TM2.5L	418B-280MMG-P
CJ28D	41-6-LF-L	W240-2.80HL	3240WCG-2.80HL	418B-280RSG-WP
CN28D	41-6-LF-A-L	W240-2.80L	3240WCG-2.80L	418B-280ASG-WP
CT28D	41-6-LF-T-L	W240-2.80T0L	3240WCG-2.80T0L	418B-280TSG-WP
CV28D	41-6-LF-S-L	W240-2.80T2L	3240WCG-2.80T2L	418B-280SSG-WP
CG28D	41-6-LF-M-L	MW240-2.80TM2.5L	3240MWCG-2.80TM2.5L	418B-280MMG-WP
EJ28	41-6-EN	EN240-2.80H	3240EN-2.80H	418B-280RSE
EN28	41-6-EN-A	EN240-2.80	3240EN-2.80	418B-280ASE
ET28	41-6-EN-T	EN240-2.80T0	3240EN-2.80T0	418B-280TSE
EV28	41-6-EN-S	EN240-2.80T2	3240EN-2.80T2	418B-280SSE
EG28	41-6-EN-M	MEN240-2.80TM2.5	3240EN-2.80TM2.5	418B-280MME
EJ28W	41-6-EN-LF	WEN240-2.80H	3240WEN-2.80H	418B-280RSE-W
EN28W	41-6-EN-LF-A	WEN240-2.80	3240WEN-2.80	418B-280ASE-W
ET28W	41-6-EN-LF-T	WEN240-2.80T0	3240WEN-2.80T0	418B-280TSE-W
EV28W	41-6-EN-LF-S	WEN240-2.80T2	3240WEN-2.80T2	418B-280SSE-W
EG28W	41-6-EN-LF-M	MWEN240-2.80TM2.5	3240MWEN-2.80TM2.5	418B-280MME-W
EJ28E	41-6-EN-L	EN240-2.80HL	3240EN-2.80HL	418B-280RSE-P
EN28E	41-6-EN-A-L	EN240-2.80L	3240EN-2.80L	418B-280ASE-P
ET28E	41-6-EN-T-L	EN240-2.80T0L	3240EN-2.80T0L	418B-280TSE-P
EV28E	41-6-EN-S-L	EN240-2.80T2L	3240EN-2.80T2L	418B-280SSE-P
EG28E	41-6-EN-M-L	MEN240-2.80TM2.5L	3240MEN-2.80TM2.5L	418B-280MME-P
EJ28D	41-6-EN-LF-L	WEN240-2.80HL	3240WEN-2.80HL	418B-280RSE-WP
EN28D	41-6-EN-LF-A-L	WEN240-2.80L	3240WEN-2.80L	418B-280ASE-WP
ET28D	41-6-EN-LF-T-L	WEN240-2.80T0L	3240WEN-2.80T0L	418B-280TSE-WP
EV28D	41-6-EN-LF-S-L	WEN240-2.80T2L	3240WEN-2.80T2L	418B-280SSE-WP
EG28D	41-6-EN-LF-M-L	MWEN240-2.80TM2.5L	3240MWEN-2.80TM2.5L	418B-280MME-WP

See footnotes at end of table.

TABLE III. Commercial part number supersession data – Continued.

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	CAGE 18915	CAGE 61081	CAGE 5BG68	CAGE 3E7UB
HJ28	41-6-B3	HA240-2.80H	3240BH-2.80H	418B-280RSH
HN28	41-6-B3-A	HA240-2.80	3240BH-2.80	418B-280ASH
HT28	41-6-B3-T	HA240-2.80T0	3240BH-2.80T0	418B-280TSH
HV28	41-6-B3-S	HA240-2.80T2	3240BH-2.80T2	418B-280SSH
HG28	41-6-B3-M	MHA240-2.80TM2.5	3240MBH-2.80TM2.5	418B-280MMH
HJ28W	41-6-B3-LF	WHA240-2.80H	3240WBH-2.80H	418B-280RSH-W
HN28W	41-6-B3-LF-A	WHA240-2.80	3240WBH-2.80	418B-280ASH-W
HT28W	41-6-B3-LF-T	WHA240-2.80T0	3240WBH-2.80T0	418B-280TSH-W
HV28W	41-6-B3-LF-S	WHA240-2.80T2	3240WBH-2.80T2	418B-280SSH-W
HG28W	41-6-B3-LF-M	MWHA240-2.80TM2.5	3240MWBH-2.80TM2.5	418B-280MMH-W
HJ28E	41-6-B3-L	HA240-2.80HL	3240BH-2.80HL	418B-280RSH-P
HN28E	41-6-B3-A-L	HA240-2.80L	3240BH-2.80L	418B-280ASH-P
HT28E	41-6-B3-T-L	HA240-2.80T0L	3240BH-2.80T0L	418B-280TSH-P
HV28E	41-6-B3-S-L	HA240-2.80T2L	3240BH-2.80T2L	418B-280SSH-P
HG28E	41-6-B3-M-L	MHA240-2.80TM2.5L	3240MBH-2.80TM2.5L	418B-280MMH-P
HJ28D	41-6-B3-LF-L	WHA240-2.80HL	3240WBH-2.80HL	418B-280RSH-WP
HN28D	41-6-B3-LF-A-L	WHA240-2.80L	3240WBH-2.80L	418B-280ASH-WP
HT28D	41-6-B3-LF-T-L	WHA240-2.80T0L	3240WBH-2.80T0L	418B-280TSH-WP
HV28D	41-6-B3-LF-S-L	WHA240-2.80T2L	3240WBH-2.80T2L	418B-280SSH-WP
HG28D	41-6-B3-LF-M-L	MWHA240-2.80TM2.5L	3240MWBH-2.80TM2.5L	418B-280MMH-WP
RJ28	41-6-CC	R240-2.80H	3240CC-2.80H	418B-280RST
RN28	41-6-CC-A	R240-2.80	3240CC-2.80	418B-280AST
RT28	41-6-CC-T	R240-2.80T0	3240CC-2.80T0	418B-280TST
RV28	41-6-CC-S	R240-2.80T2	3240CC-2.80T2	418B-280SST
RG28	41-6-CC-M	MR240-2.80TM2.5	3240MCC-2.80TM2.5	418B-280MMT
RJ28W	41-6-CC-LF	WR240-2.80H	3240WCC-2.80H	418B-280RST-W
RN28W	41-6-CC-LF-A	WR240-2.80	3240WCC-2.80	418B-280AST-W
RT28W	41-6-CC-LF-T	WR240-2.80T0	3240WCC-2.80T0	418B-280TST-W
RV28W	41-6-CC-LF-S	WR240-2.80T2	3240WCC-2.80T2	418B-280SST-W
RG28W	41-6-CC-LF-M	MWR240-2.80TM2.5	3240MWCC-2.80TM2.5	418B-280MMT-W

See footnotes at end of table.

TABLE III. Commercial part number supersession data – Continued.

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	CAGE 18915	CAGE 61081	CAGE 5BG68	CAGE 3E7UB
RJ28E	41-6-CC-L	R240-2.80HL	3240CC-2.80HL	418B-280RST-P
RN28E	41-6-CC-A-L	R240-2.80L	3240CC-2.80L	418B-280AST-P
RT28E	41-6-CC-T-L	R240-2.80T0L	3240CC-2.80T0L	418B-280TST-P
RV28E	41-6-CC-S-L	R240-2.80T2L	3240CC-2.80T2L	418B-280SST-P
RG28E	41-6-CC-M-L	MR240-2.80TM2.5L	3240MCC-2.80TM2.5L	418B-280MMT-P
RJ28D	41-6-CC-LF-L	WR240-2.80HL	3240WCC-2.80HL	418B-280RST-WP
RN28D	41-6-CC-LF-A-L	WR240-2.80L	3240WCC-2.80L	418B-280AST-WP
RT28D	41-6-CC-LF-T-L	WR240-2.80T0L	3240WCC-2.80T0L	418B-280TST-WP
RV28D	41-6-CC-LF-S-L	WR240-2.80T2L	3240WCC-2.80T2L	418B-280SST-WP
RG28D	41-6-CC-LF-M-L	MWR240-2.80TM2.5L	3240MWCC-2.80TM2.5L	418B-280MMT-WP

1/ The CID PINs listed are only for length designator "28".

2/ The manufacturer's part number shall not be used for procurement to the requirements of this CID specification sheet. At the time of preparation of this CID specification sheet, the aforementioned commercial products were reviewed and could be replaced by the CID PIN shown. For actual part marking requirements, see the marking paragraph in [A-A-59590](#).

TABLE IV. Supersession information.

Superseded (old) PIN in accordance with DESC Drawing 84103	Superseding (new) CID PIN	Superseded (old) PIN in accordance with DESC Drawing 84103	Superseding (new) CID PIN
84103-15B	AA59590/11BJ28W	84103-15C	AA59590/11CJ28W
84103-16B	AA59590/11BJ38W	84103-16C	AA59590/11CJ38W
84103-17B	AA59590/11BJ48W	84103-17C	AA59590/11CJ48W

TABLE V. Example of PIN with available length designators.

PIN designator AA59590/11	Vendor similar designator or type part number <u>1/</u> <u>2/</u>			
	CAGE 18915	CAGE 61081	CAGE 5BG68	CAGE 3E7UB
BV18	41-4-B-S	A240-1191T2	3240BA-1.80T2	418B-180SSB
BV23	41-5-B-S	A240-2.30T2	3240BA-2.30T2	418B-230SSB
BV28	41-6-B-S	A240-2.80T2	3240BA-2.80T2	418B-280SSB
BV30	<u>3/</u>	A240-3.00T2	3240BA-3.00T2	418B-300SSB
BV33	41-7-B-S	A240-3.30T2	3240BA-3.30T2	418B-330SSB

See footnotes at end of table.

TABLE V. Example of PIN with available length designators. Continued.

PIN designator AA59590/11	Vendor similar designator or type part number <u>1/</u> <u>2/</u>			
	CAGE 18915	CAGE 61081	CAGE 5BG68	CAGE 3E7UB
BV35	<u>3/</u>	A240-3.50T2	3240BA-3.50T2	418B-350SSB
BV38	41-8-B-S	A240-3.80T2	3240BA-3.80T2	418B-380SSB
BV40	<u>3/</u>	A240-4.00T2	3240BA-4.00T2	418B-400SSB
BV43	41-9-B-S	A240-4.30T2	3240BA-4.30T2	418B-430SSB
BV45	<u>3/</u>	A240-4.50T2	3240BA-4.50T2	418B-450SSB
BV48	41-10-B-S	A240-4.80T2	3240BA-4.80T2	418B-480SSB
BV50	<u>3/</u>	A240-5.00T2	3240BA-5.00T2	418B-500SSB
BS53	41-11-B-S	A240-5.30ET2	3240BA-5.30ET2	418B-530SSB-C
BS58	41-12-B-S	A240-5.80ET2	3240BA-5.80ET2	418B-580SSB-C

1/ The manufacturer's part number shall not be used for procurement to the requirements of this CID specification sheet. At the time of preparation of this CID specification sheet, the aforementioned commercial products were reviewed and could be replaced by the CID PIN shown. For actual part marking requirements, see the marking paragraph in A-A-59590.

2/ Other lengths are available on request.

3/ Consult manufacturer for part number.

Guidance on use of alternative parts with less hazardous or non-hazardous materials. This CID specification sheet provides for a number of alternative plating materials via the PIN. Users should select the PIN with the least hazardous material that meets the form, fit, and function requirements of their application.

Changes from previous issue. The margins of this specification are marked with vertical lines to indicate where changes from the previous issue were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous issue.

## MILITARY INTERESTS:

Custodians:  
Army – CR  
Navy – EC  
Air Force – 85  
DLA – CC

Review activity:  
Air Force – 99

## CIVIL AGENCY COORDINATING ACTIVITY:

GSA – FAS

Preparing activity:  
DLA – CC

Project 5998-2012-051

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <https://assist.dla.mil>.