

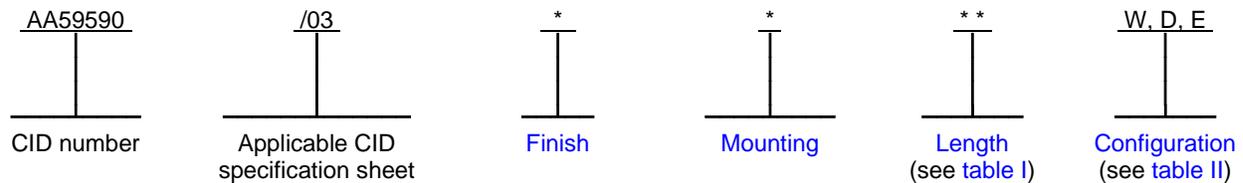
COMMERCIAL ITEM DESCRIPTION
SPECIFICATION SHEET

HOLDER, ELECTRICAL CARD, WEDGE RETAINERS, 3 PIECE,
SCREW ACTUATED DRIVE, .225 X .260 INCH BODY SIZE, WITH VISUAL LOCK INDICATION

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 OR 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: AA59590/03EK63 is the PIN for a nickel finished, 6.3 inch (160.0 mm) long card holder with a retained actuating screw. The card holder also has three counterbored through holes for use with rivet 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.

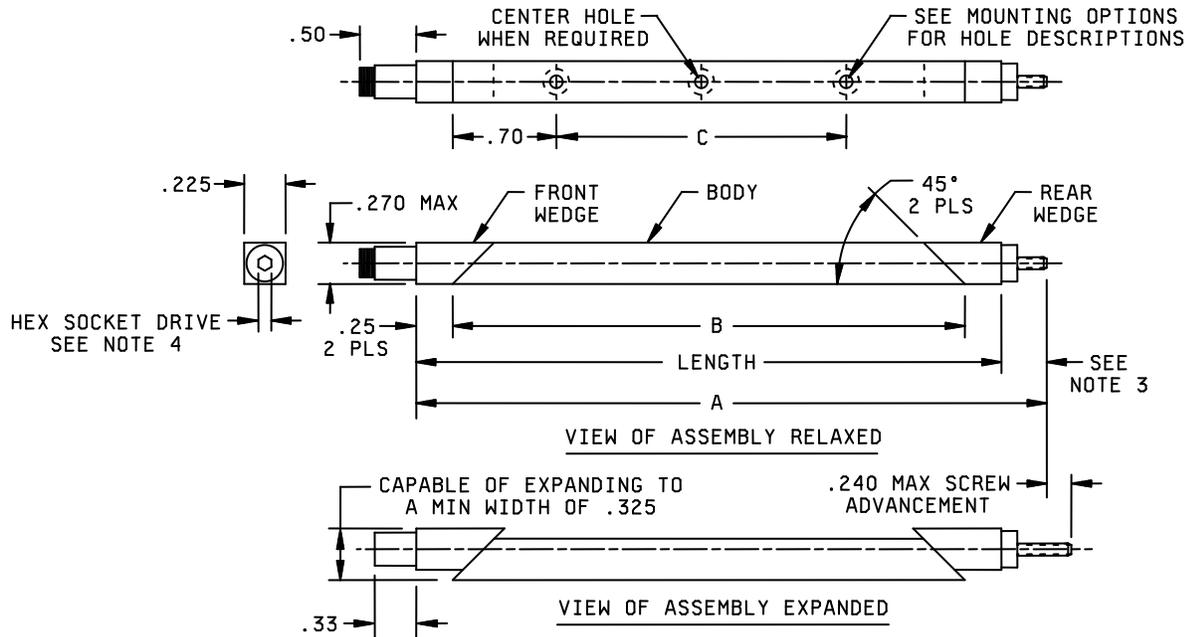
Material. Unless otherwise specified herein, the card holder materials shall be as specified in [A-A-59590](#).

Interface and physical dimensions. The card holders supplied to this CID specification sheet shall be as specified on [figures 1, 2, 3, 4](#), in [table I](#), and [A-A-59590](#).

Visual lock indicator (see [figure 2](#)). Card holders shall have a visual indicator to show when the card holder is in its relaxed (unlocked) state. When the card holder is in the unlocked (relaxed) state, the actuating end of the screw shall display a red band on the side of the screw. When the actuating screw on the card holder has been tightened (assembly expanded) so that the assembly is in the locked position, this red band shall be concealed.

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 (0.098 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 as follows: 6 inch-pounds (0.68 N-m) for assemblies using no options or option "W" and 7.2 inch-pounds (0.81 N-m) for assemblies using options "E" or "D".



Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm
.20	5.1	.240	6.1	.270	6.9	.33	8.4	.70	17.8
.225	5.7	.25	6.4	.325	8.3	.50	12.7		

NOTES:

1. Dimensions are in inches. Millimeters are given for general information only.
2. Unless otherwise specified, tolerances are ± 0.02 inch (0.5 mm) for two place decimals and ± 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.

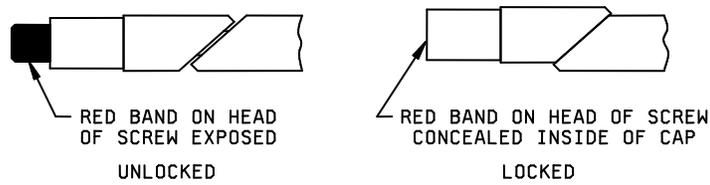


FIGURE 2 Visual lock indicator.

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

PIN length designator	Dimension "LENGTH" ±.02 (0.5)	Dimension "A" (maximum)		Dimension "B" ±.03 (0.8)	Dimension "C" ±.005 (0.13)
		Without options "W" or "D"	With options "W" or "D"		
18	1.8 (45.7)	2.00 (50.8)	2.10 (53.3)	1.30 (33.0)	.75 (19.1)
23	2.3 (58.4)	2.50 (63.5)	2.60 (66.0)	1.80 (45.7)	.40 (10.2)
28	2.8 (71.1)	3.00 (76.2)	3.10 (78.7)	2.30 (58.4)	.90 (22.9)
30	3.0 (76.2)	3.20 (81.3)	3.30 (83.8)	2.50 (63.5)	1.10 (27.9)
33	3.3 (83.8)	3.50 (88.9)	3.60 (91.4)	2.80 (71.1)	1.40 (35.6)
35	3.5 (88.9)	3.70 (94.0)	3.80 (96.5)	3.00 (76.2)	1.60 (40.6)
38	3.8 (96.5)	4.00 (101.6)	4.10 (104.1)	3.30 (83.8)	1.90 (48.3)
43	4.3 (109.2)	4.50 (114.3)	4.60 (116.8)	3.80 (96.5)	2.40 (61.0)
48	4.8 (121.9)	5.00 (127.0)	5.10 (129.1)	4.30 (109.2)	2.90 (73.7)
53	5.3 (134.6)	5.50 (139.7)	5.60 (142.2)	4.80 (121.9)	3.40 (86.4)
55	5.5 (139.7)	5.70 (144.8)	5.80 (147.3)	5.00 (127.0)	3.60 (91.4)
58	5.8 (147.3)	6.00 (152.4)	6.10 (154.9)	5.30 (134.6)	3.90 (99.1)
61	6.1 (154.9)	6.30 (160.0)	6.40 (162.6)	5.60 (142.2)	4.20 (106.7)
63	6.3 (160.0)	6.50 (165.1)	6.60 (167.6)	5.80 (147.3)	4.40 (111.8)
67	6.7 (170.2)	6.90 (175.3)	7.00 (177.8)	6.20 (157.5)	4.80 (121.9)

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

Cold plate slot width dimensions. The recommend cold plate slot width to accommodate the circuit card assembly with attached card holder is .300 inch (7.62 mm) plus the thickness of the printed board of the circuit card assembly (see [A-A-59590](#)).

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), and "R" (clear chemical film).

Mounting options. 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), "R" or "T" (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](#) and [table I](#) for mounting hole spacing requirements.

Mounting holes (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 .200 inch (5.08 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](#).

Configuration. The configuration of a card holder shall be as specified in [table II](#). The details of a particular configuration consist of those on [figures 1, 2, 3, and 4](#). 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 and 2	No added options
W	1 , 2 , and 3	Lockwasher and flat washer
E	1 , 2 , and 4	Screw self-locking element
D	1 , 2 , 3 , and 4	Lockwasher, flat washer and screw self-locking element

Lockwasher and flat washer (see figure 3). The use of a lockwasher and flat washer located under the screw head will provide for 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 [classification](#) and [notes](#)).

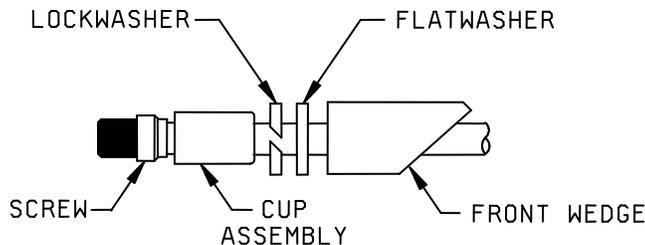


FIGURE 3. Lockwasher and flat washer details.

Screw self-locking element (see figure 4). 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 configuration suffix "E" in the PIN (see [classification](#) and [notes](#)).

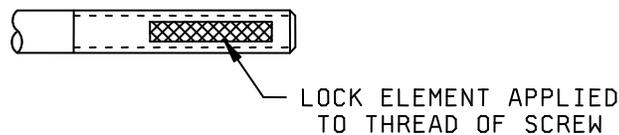


FIGURE 4. Screw self-locking element details.

Lockwasher, flat washer, and screw self-locking element. Card holders requiring a lockwasher, flat washer, and screw self-locking element option shall include a configuration suffix "D" in the PIN (see [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): www.birtcherproducts.com
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: sales@calmark.com URL: www.calmark.com
5BG68	American Circuit Card Retainers, Inc. 2310 E. Orangethorpe Avenue Anaheim, CA 92806-1231	Telephone: (714) 738-6194 Facsimile: (714) 446-0119 E-mail: sales@accrmfg.com URL: http://www.accrmfg.com
3E7U8	Wakefield Solutions 200 Towerview Court Cary, NC 27513	Telephone: (919) 469-2004 Facsimile: (919) 469-2827 E-mail: wedgelocks@wakefield.com URL: www.wakefield.com

Part number supersession data. This CID specification sheet part numbers 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 AA59590/03	Vendor similar designator or type part number 1/ 2/			
	CAGE 18915	CAGE 61081	CAGE 5BG68	CAGE 3E7U8
BJ28	40VI-6-B	VA225CR2.80H	3225VBA-2.80H	426B-280RSB-V
BN28	40VI-6-B-A	VA225CR2.80	3225VBA-2.80	426B-280ASB-V
BT28	40VI-6-B-T	VA225CR2.80T0	3225VBA-2.80T0	426B-280TSB-V
BV28	40VI-6-B-S	VA225CR2.80T2	3225VBA-2.80T2	426B-280SSB-V
BG28	40VI-6-B-M	MVA225CR2.80TM2.5	3225MVBA-2.80TM2.5	426B-280MMB-V
BJ28E	40VI-6-B-L	VA225CR2.80HL	3225VBA-2.80HL	426B-280RSB-PV
BN28E	40VI-6-B-A-L	VA225CR2.80L	3225VBA-2.80L	426B-280ASB-PV
BT28E	40VI-6-B-T-L	VA225CR2.80T0L	3225VBA-2.80T0L	426B-280TSB-PV
BV28E	40VI-6-B-S-L	VA225CR2.80T2L	3225VBA-2.80T2L	426B-280SSB-PV
BG28E	40VI-6-B-M-L	MVA225CR2.80TM2.5L	3225MVBA-2.80TM2.5L	426B-280MMB-PV
BJ28W	40VI-6-B-LF	WVA225CR2.80H	3225VWBA-2.80H	426B-280RSB-WV
BN28W	40VI-6-B-LF-A	WVA225CR2.80	3225VWBA-2.80	426B-280ASB-WV
BT28W	40VI-6-B-LF-T	WVA225CR2.80T0	3225VWBA-2.80T0	426B-280TSB-WV
BV28W	40VI-6-B-LF-S	WVA225CR2.80T2	3225VWBA-2.80T2	426B-280SSB-WV
BG28W	40VI-6-B-LF-M	MVVA225CR2.80TM2.5	3225MVWBA-2.80TM2.5	426B-280MMB-WV
BJ28D	40VI-6-B-LF-L	WVA225CR2.80HL	3225VWBA-2.80HL	426B-280RSB-WPV
BN28D	40VI-6-B-LF-A-L	WVA225CR2.80L	3225VWBA-2.80L	426B-280ASB-WPV
BT28D	40VI-6-B-LF-T-L	WVA225CR2.80T0L	3225VWBA-2.80T0L	426B-280TSB-WPV
BV28D	40VI-6-B-LF-S-L	WVA225CR2.80T2L	3225VWBA-2.80T2L	426B-280SSB-WPV
BG28D	40VI-6-B-LF-M-L	MWVA225CR2.80TM2.5L	3225MVWBA-2.80TM2.5L	426B-280MMB-WPV
CJ28	40VI-6	VA225CR2.80H	3225VBA-2.80H	426B-280RSG-V
CN28	40VI-6-A	VA225CR2.80	3225VBA-2.80	426B-280ASG-V
CT28	40VI-6-T	VA225CR2.80T0	3225VBA-2.80T0	426B-280TSG-V
CV28	40VI-6-S	VA225CR2.80T2	3225VBA-2.80T2	426B-280SSG-V
CG28	40VI-6-M	MVA225CR2.80TM2.5	3225MVBA-2.80TM2.5	426B-280MMG-V
CJ28E	40VI-6-L	V225CR2.80HL	3225VCG-2.80HL	426B-280RSG-PV
CN28E	40VI-6-A-L	V225CR2.80L	3225VCG-2.80L	426B-280ASG-PV
CT28E	40VI-6-T-L	V225CR2.80T0L	3225VCG-2.80T0L	426B-280TSG-PV
CV28E	40VI-6-S-L	V225CR2.80T2L	3225VCG-2.80T2L	426B-280SSG-PV
CG28E	40VI-6-M-L	MV225CR2.80TM2.5L	3225MVCG-2.80TM2.5L	426B-280MMG-PV

See footnote at end of table.

TABLE III. Commercial part number supersession data – Continued.

PIN designator AA59590/03	Vendor similar designator or type part number 1/ 2/			
	CAGE 18915	CAGE 61081	CAGE 5BG68	CAGE 3E7U8
CJ28W	40VI-6-LF	WV225CR2.80H	3225VWCG-2.80H	426B-280RSG-WV
CN28W	40VI-6-LF-A	WV225CR2.80	3225VWCG-2.80	426B-280ASG-WV
CT28W	40VI-6-LF-T	WV225CR2.80T0	3225VWCG-2.80T0	426B-280TSG-WV
CV28W	40VI-6-LF-S	WV225CR2.80T2	3225VWCG-2.80T2	426B-280SSG-WV
CG28W	40VI-6-LF-M	MWV225CR2.80TM2.5	3225MVWCG-2.80TM2.5	426B-280MMG-WV
CJ28D	40VI-6-LF-L	WV225CR2.80HL	3225VWCG-2.80HL	426B-280RSG-WPV
CN28D	40VI-6-LF-A-L	WV225CR2.80L	3225VWCG-2.80L	426B-280ASG-WPV
CT28D	40VI-6-LF-T-L	WV225CR2.80T0L	3225VWCG-2.80T0L	426B-280TSG-WPV
CV28D	40VI-6-LF-S-L	WV225CR2.80T2L	3225VWCG-2.80T2L	426B-280SSG-WPV
CG28D	40VI-6-LF-M-L	MWV225CR2.80TM2.5L	3225MVWCG-2.80TM2.5L	426B-280MMG-WPV
EJ28	40VI-6-EN	VEN225CR2.80H	3225VEN-2.80H	426B-280RSE-V
EN28	40VI-6-EN-A	VEN225CR2.80	3225VEN-2.80	426B-280ASE-V
ET28	40VI-6-EN-T	VEN225CR2.80T0	3225VEN-2.80T0	426B-280TSE-V
EV28	40VI-6-EN-S	VEN225CR2.80T2	3225VEN-2.80T2	426B-280SSE-V
EG28	40VI-6-EN-M	MVEN225CR2.80TM2.5	3225MVEN-2.80TM2.5	426B-280MME-V
EJ28E	40VI-6-EN-L	VEN225CR2.80HL	3225VEN-2.80HL	426B-280RSE-PV
EN28E	40VI-6-EN-A-L	VEN225CR2.80L	3225VEN-2.80L	426B-280ASE-PV
ET28E	40VI-6-EN-T-L	VEN225CR2.80T0L	3225VEN-2.80T0L	426B-280TSE-PV
EV28E	40VI-6-EN-S-L	VHEN25CR2.80T2L	3225VEN-2.80T2L	426B-280SSE-PV
EG28E	40VI-6-EN-M-L	MVEN225CR2.80TM2.5L	3225MVEN-2.80TM2.5L	426B-280MME-PV
EJ28W	40VI-6-EN-LF	WVEN225CR2.80H	3225VWEN-2.80H	426B-280RSE-WV
EN28W	40VI-6-EN-LF-A	WVEN225CR2.80	3225VWEN-2.80	426B-280ASE-WV
ET28W	40VI-6-EN-LF-T	WVEN225CR2.80T0	3225VWEN-2.80T0	426B-280TSE-WV
EV28W	40VI-6-EN-LF-S	WVEN225CR2.80T2	3225VWEN-2.80T2	426B-280SSE-WV
EG28W	40VI-6-EN-LF-M	MWVEN225CR2.80TM2.5	3225MVWEN-2.80TM2.5	426B-280MME-WV
EJ28D	40VI-6-EN-LF-L	WVEN225CR2.80HL	3225VWEN-2.80HL	426B-280RSE-WPV
EN28D	40VI-6-EN-LF-AL	WVEN225CR2.80L	3225VWEN-2.80L	426B-280ASE-WPV
ET28D	40VI-6-EN-LF-TL	WVEN225CR2.80T0L	3225VWEN-2.80T0L	426B-280TSE-WPV
EV28D	40VI-6-EN-LF-SL	WVEN225CR2.80T2L	3225VWEN-2.80T2L	426B-280SSE-WPV
EG28D	40VI-6-EN-LF-ML	MWVEN225CR2.80TM2.5L	3225MVWEN-2.80TM2.5L	426B-280MME-WPV

See footnote at end of table.

TABLE III. Commercial part number supersession data – Continued.

PIN designator AA59590/03	Vendor similar designator or type part number 1/ 2/			
	CAGE 18915	CAGE 61081	CAGE 5BG68	CAGE 3E7U8
HJ28	40VI-6-B3	VHA225CR2.80H	3225VBH-2.80H	426B-280RSH-V
HN28	40VI-6-B3-A	VHA225CR2.80	3225VBH-2.80	426B-280ASH-V
HT28	40VI-6-B3-T	VHA225CR2.80T0	3225VBH-2.80T0	426B-280TSH-V
HV28	40VI-6-B3-S	VHA225CR2.80T2	3225VBH-2.80T2	426B-280SSH-V
HG28	40VI-6-B3-M	MVHA225CR2.80TM2.5	3225MVBH-2.80TM2.5	426B-280MMH-V
HJ28E	40VI-6-B3-L	VHA225CR2.80HL	3225VBH-2.80HL	426B-280RSH-PV
HN28E	40VI-6-B3-A-L	VHA225CR2.80L	3225VBH-2.80L	426B-280ASH-PV
HT28E	40VI-6-B3-T-L	VHA225CR2.80T0L	3225VBH-2.80T0L	426B-280TSH-PV
HV28E	40VI-6-B3-S-L	VHA225CR2.80T2L	3225VBH-2.80T2L	426B-280SSH-PV
HG28E	40VI-6-B3-M-L	MVHA225CR2.80TM2.5L	3225MVBH-2.80TM2.5L	426B-280MMH-PV
HJ28W	40VI-6-B3-LF	WVHA225CR2.80H	3225VVBH-2.80H	426B-280RSH-WV
HN28W	40VI-6-B3-LF-A	WVHA225CR2.80	3225VVBH-2.80	426B-280ASH-WV
HT28W	40VI-6-B3-LF-T	WVHA225CR2.80T0	3225VVBH-2.80T0	426B-280TSH-WV
HV28W	40VI-6-B3-LF-S	WVHA225CR2.80T2	3225VVBH-2.80T2	426B-280SSH-WV
HG28W	40VI-6-B3-LF-M	MWVHA225CR2.80TM2.5	3225MVVBH-2.80TM2.5	426B-280MMH-WV
HJ28D	40VI-6-B3-LF-L	WVHA225CR2.80HL	3225VVBH-2.80HL	426B-280RSH-WPV
HN28D	40VI-6-B3-LF-AL	WVHA225CR2.80L	3225VVBH-2.80L	426B-280ASH-WPV
HT28D	40VI-6-B3-LF-TL	WVHA225CR2.80T0L	3225VVBH-2.80T0L	426B-280TSH-WPV
HV28D	40VI-6-B3-LF-SL	WVHA225CR2.80T2L	3225VVBH-2.80T2L	426B-280SSH-WPV
HG28D	40VI-6-B3-LF-ML	MWVHA225CR2.80TM2.5L	3225MVVBH-2.80TM2.5L	426B-280MMH-WPV
RJ28	40VI-6-CC	VR225CR2.80H	3225VCC-2.80H	426B-280RST-V
RN28	40VI-6-CC-A	VR225CR2.80	3225VCC-2.80	426B-280AST-V
RT28	40VI-6-CC-T	VR225CR2.80T0	3225VCC-2.80T0	426B-280TST-V
RV28	40VI-6-CC-S	VR225CR2.80T2	3225VCC-2.80T2	426B-280SST-V
RG28	40VI-6-CC-M	MVR225CR2.80TM2.5	3225MVCC-2.80TM2.5	426B-280MMT-V
RJ28E	40VI-6-CC-L	VR225CR2.80HL	3225VCC-2.80HL	426B-280RST-PV
RN28E	40VI-6-CC-A-L	VR225CR2.80L	3225VCC-2.80L	426B-280AST-PV
RT28E	40VI-6-CC-T-L	VR225CR2.80T0L	3225VCC-2.80T0L	426B-280TST-PV
RV28E	40VI-6-CC-S-L	VR225CR2.80T2L	3225VCC-2.80T2L	426B-280SST-PV
RG28E	40VI-6-CC-M-L	MVR225CR2.80TM2.5L	3225MVCC-2.80TM2.5L	426B-280MMT-PV

See footnote at end of table.

TABLE III. Commercial part number supersession data – Continued.

PIN designator AA59590/03	Vendor similar designator or type part number <u>1/</u> <u>2/</u>			
	CAGE 18915	CAGE 61081	CAGE 5BG68	CAGE 3E7U8
RJ28W	40VI-6-CC-LF	WVR225CR2.80H	3225VWCC-2.80H	426B-280RST-WV
RN28W	40VI-6-CC-LF-A	WVR225CR2.80	3225VWCC-2.80	426B-280AST-WV
RT28W	40VI-6-CC-LF-T	WVR225CR2.80T0	3225VWCC-2.80T0	426B-280TST-WV
RV28W	40VI-6-CC-LF-S	WVR225CR2.80T2	3225VWCC-2.80T2	426B-280SST-WV
RG28W	40VI-6-CC-LF-M	MWVR225CR2.80TM2.5	3225MVWCC-2.80TM2.5	426B-280MMT-WV
RJ28D	40VI-6-CC-LF-L	WVR225CR2.80HL	3225VWCC-2.80HL	426B-280RST-WPV
RN28D	40VI-6-CC-LF-AL	WVR225CR2.80L	3225VWCC-2.80L	426B-280AST-WPV
RT28D	40VI-6-CC-LF-TL	WVR225CR2.80T0L	3225VWCC-2.80T0L	426B-280TST-WPV
RV28D	40VI-6-CC-LF-SL	WVR225CR2.80T2L	3225VWCC-2.80T2L	426B-280SST-WPV
RG28D	40VI-6-CC-LF-ML	MWVR225CR2.80TM2.5L	3225MVWCC-2.80TM2.5L	426B-280MMT-WPV

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
84103-08B	AA59590/03BJ28	84103-08C	AA59590/03CJ28
84103-09B	AA59590/03BJ30	84103-09C	AA59590/03CJ30
84103-10B	AA59590/03BJ35	84103-10C	AA59590/03CJ35
84103-11B	AA59590/03BJ38	84103-11C	AA59590/03CJ38
84103-12B	AA59590/03BJ48	84103-12C	AA59590/03CJ48
84103-13B	AA59590/03BJ53	84103-13C	AA59590/03CJ53
84103-14B	AA59590/03BJ58	84103-14C	AA59590/03CJ58

TABLE V. Example of PIN with available length designators.

PIN designator AA59590/03	Vendor similar designator or type part number <u>1/</u> <u>2/</u>			
	CAGE 18915	CAGE 61081	CAGE 5BG68	CAGE 3E7UB
EJ18	40VI-4-EN	VEN225CR1.80H	3225VEN-2.80H	426B-180RSE-V
EJ23	40VI-5-EN	VEN225CR2.30H	3225VEN-2.30H	426B-230RSE-V
EJ28	40VI-6-EN	VEN225CR2.80H	3225VEN-2.80H	426B-280RSE-V
EJ30	<u>3/</u>	VEN225CR3.00H	3225VEN-3.00H	426B-300RSE-V
EJ33	40VI-7-EN	VEN225CR3.30H	3225VEN-3.30H	426B-330RSE-V
EJ35	<u>3/</u>	VEN225CR3.50H	3225VEN-3.50H	426B-350RSE-V
EJ38	40VI-8-EN	VEN225CR3.80H	3225VEN-3.80H	426B-380RSE-V
EJ43	40VI-9-EN	VEN225CR4.30H	3225VEN-4.30H	426B-430RSE-V
EJ48	40VI-10-EN	VEN225CR4.80H	3225VEN-4.80H	426B-480RSE-V
EK53	40VI-11-EN	VEN225CR5.30EH	3225VEN-5.30EH	426B-530RSE-CV
EK55	<u>3/</u>	VEN225CR5.50EH	3225VEN-5.50EH	426B-550RSE-CV
EK58	40VI-12-EN	VEN225CR5.80EH	3225VEN-5.80EH	426B-580RSE-CV
EK61	<u>3/</u>	VEN225CR6.10EH	3225VEN-6.10EH	426B-610RSE-CV
EK63	40VI-13-EN	VEN225CR6.30EH	3225VEN-6.30EH	426B-630RSE-CV
EK67	<u>3/</u>	VEN225CR6.70EH	3225VEN-6.70EH	426B-670RSE-CV

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 5998–2012–053

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>.