

[INCH-POUND]
A-A-59590/6D
6 July 2013
SUPERSEDING
A-A-59590/6C
6 October 2010

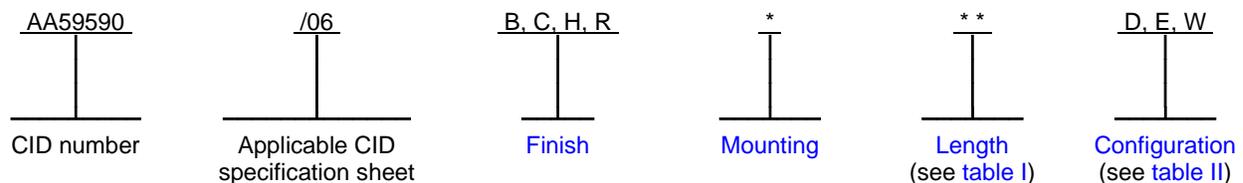
COMMERCIAL ITEM DESCRIPTION
SPECIFICATION SHEET

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

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: AA59590/06CK63 is the PIN for a chemical film 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](#).

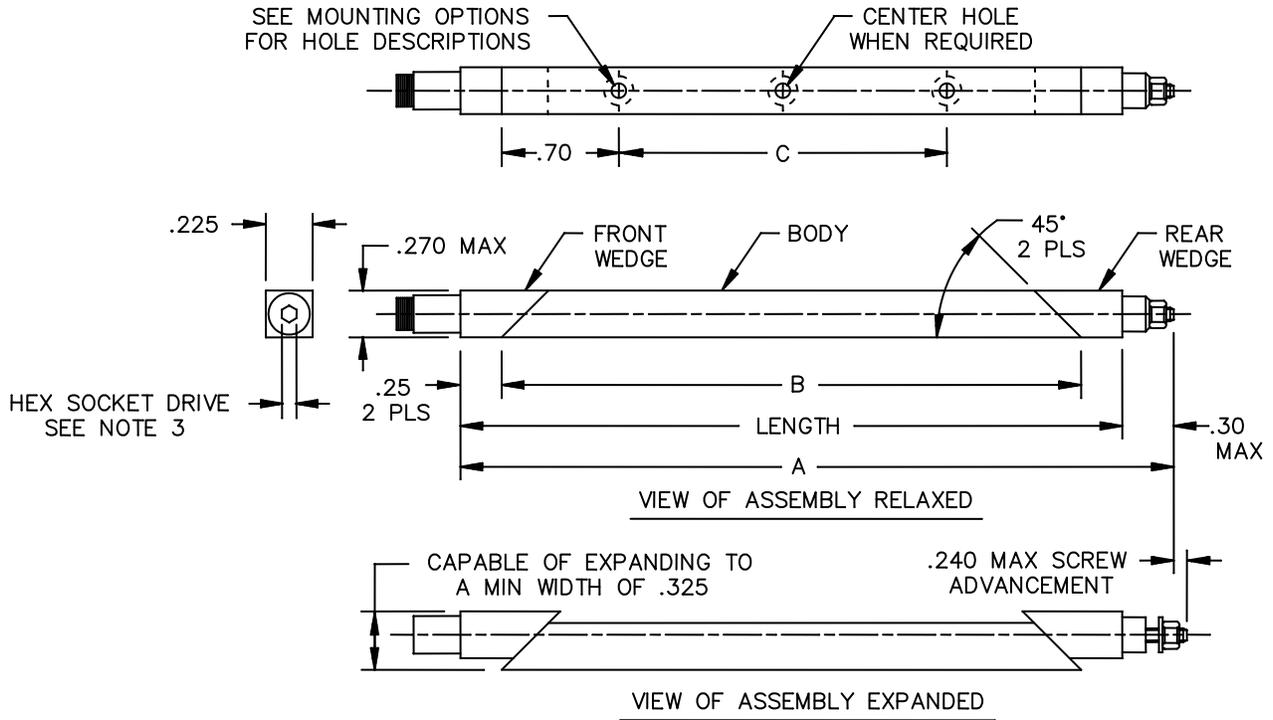
Interface and physical dimensions. The card holders supplied to this CID specification sheet shall be as specified on [figures 1, 2, 3, 4, 5](#), in [table I](#), [table II](#), and [A-A-59590](#).

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 (0.098 inch) for mounting options "G" and "M".

Cold plate slot width dimensions (when applicable). 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](#)).

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 of the base configuration or configuration "W" and 8 inch-pounds (0.90 N-m) for assemblies of configurations "E" or "D".

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Inches	mm	Inches	mm	Inches	mm	Inches	mm
.225	5.72	.250	6.35	.270	6.86	.325	8.26
.240	6.09	.25	6.35	.30	7.6	.70	17.8

NOTES:

1. Dimensions are in inches. Millimeters are given for general information only.
2. Unless otherwise specified, tolerances are ± 0.02 inch (0.51 mm) for two place decimals and ± 0.010 inch (0.25 mm) for three place decimals.
3. 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 hard metric dimension of .098 inch (2.5 mm) across flats for mounting options "G" and "M".
4. Dimension shall be .20 inch (5.1 mm) maximum on card holders of the base configuration or configuration "E" and .30 inch (7.6 mm) maximum on card holders of configuration "W" or "D".

FIGURE 1. Relaxed and expanded dimensions.

Screw retention locknut (see figure 2). The card holder shall have a screw retention locknut intended to prevent unintentional disassembly of the card holder. The locknut shall be fabricated of a corrosion resistant material.

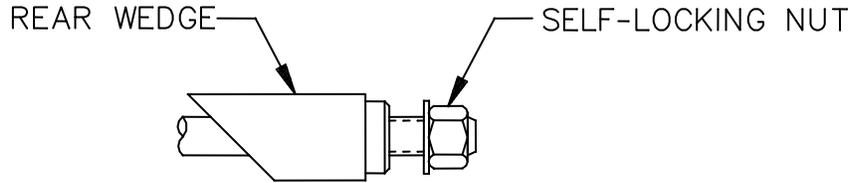


FIGURE 2. Screw retaining self-locking nut (corrosion resistant) details.

Visual lock indicator (see figure 3). The card holder 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.

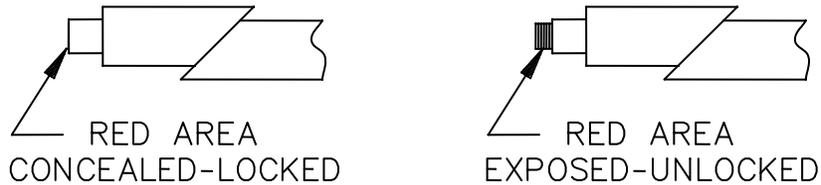


FIGURE 3. Visual lock indicator.

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 option "W" or "D"	With option "W" or "D"		
18	1.8 (45.7)	2.30 (58.4)	2.40 (60.9)	1.30 (33.0)	.75 (19.1)
23	2.3 (58.4)	2.80 (71.1)	2.90 (73.7)	1.80 (45.7)	.40 (10.2)
28	2.8 (71.1)	3.30 (83.8)	3.40 (86.4)	2.30 (58.4)	.90 (22.9)
30	3.0 (76.2)	3.50 (88.9)	3.60 (91.4)	2.50 (63.5)	1.10 (27.9)
33	3.3 (83.8)	3.80 (96.5)	3.90 (99.1)	2.80 (71.1)	1.40 (35.6)
35	3.5 (88.9)	4.00 (101.6)	4.10 (104.1)	3.00 (76.2)	1.60 (40.6)
38	3.8 (96.5)	4.30 (109.2)	4.40 (111.8)	3.30 (83.8)	1.90 (48.3)
43	4.3 (109.2)	4.80 (121.9)	4.90 (124.5)	3.80 (96.5)	2.40 (61.0)
48	4.8 (121.9)	5.30 (134.6)	5.40 (137.2)	4.30 (109.2)	2.90 (73.7)
53	5.3 (134.6)	5.80 (147.3)	5.90 (149.9)	4.80 (121.9)	3.40 (86.4)
55	5.5 (139.7)	6.00 (152.4)	6.10 (154.9)	5.00 (127.0)	3.60 (91.4)
58	5.8 (147.3)	6.30 (160.0)	6.40 (162.6)	5.30 (134.6)	3.90 (99.1)

See footnote at end of table.

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

PIN length designator	Dimension "LENGTH" ± 0.02 (0.5)	Dimension "A" (maximum)		Dimension "B" ± 0.03 (0.8)	Dimension "C" ± 0.005 (0.13)
		Without option "W" or "D"	With option "W" or "D"		
61	6.1 (154.9)	6.60 (167.6)	6.70 (170.2)	5.60 (142.2)	4.20 (106.7)
63	6.3 (160.0)	6.80 (172.7)	6.90 (175.3)	5.80 (147.3)	4.40 (111.8)
67	6.7 (170.2)	7.20 (182.9)	7.30 (185.4)	6.20 (157.5)	4.80 (121.9)
68	6.8 (172.7)	7.30 (185.4)	7.40 (188.0)	6.30 (160.0)	4.90 (124.5)
73	7.3 (185.4)	7.80 (198.1)	7.90 (200.7)	6.80 (172.7)	5.40 (137.2)
78	7.8 (198.1)	8.30 (210.8)	8.40 (213.4)	7.30 (185.4)	5.90 (149.9)
83	8.3 (210.8)	8.80 (223.5)	8.90 (226.1)	7.80 (198.1)	6.40 (162.6)
88	8.8 (223.5)	9.30 (236.2)	9.40 (238.8)	8.30 (210.8)	6.90 (175.3)

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

Cold plate slot width dimensions (when applicable). 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), "H" (hard black anodize), or "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), "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" or "K" may be shipped unassembled. See [figure 1](#) for mounting hole spacing requirements.

Mounting holes and locations (when required). When not using mounting option "N", mounting holes will be present in the center body (see [figure 1](#)). 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 CID 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 and 3](#), and may include those on [figures 4 and 5](#). Card holders not requiring the options described by [table II](#) shall leave the configuration position in the PIN blank.

TABLE II. Configuration.

Configuration	Applicable figures	Hardware options
	1, 2, and 3	No added options
W	1, 2, 3, and 4	Lockwasher and flat washer
E	1, 2, 3, and 5	Screw self-locking element
D	1, 2, 3, 4, and 5	Lockwasher, flat washer and screw self-locking element

Lockwasher and flat washer (see figure 4). 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](#) herein).

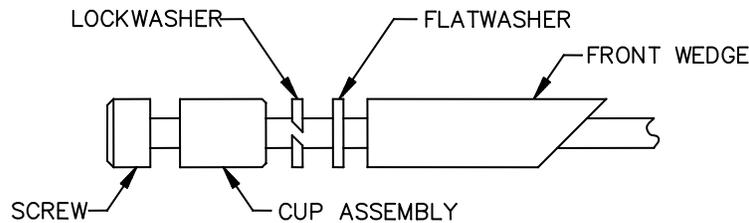


FIGURE 4. Lockwasher and flat washer details.

Screw self-locking element (see figure 5). The use of a screw self-locking element on the screw will provide a 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 configuration identifier "E" in the PIN (see [classification](#) and [notes](#) herein).

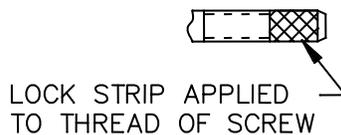


FIGURE 5. Screw self-locking element details.

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 [classification](#) and [notes](#) herein).

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 PINs supersede the following manufacturer's part numbers as shown in [table III](#). The CID PINs listed in [table III](#) are only for length designator "28". See [table IV](#) 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 AA59590/06	Vendor similar designator or type part number 1/ 2/			
	CAGE 18915	CAGE 61081	CAGE 5BG68	CAGE 3E7UB
BJ28	40VI-6-B-LN	VA225CR2.80HR	3225VBA-2.80HR	426B-280RSB-AV
BN28	40VI-6-B-LN-A	VA225CR2.80R	3225VBA-2.80R	426B-280ASB-AV
BT28	40VI-6-B-LN-T	VA225CR2.80T0R	3225VBA-2.80T0R	426B-280TSB-AV
BV28	40VI-6-B-LN-S	VA225CR2.80T2R	3225VBA-2.80T2R	426B-280SSB-AV
BG28	40VI-6-B-LN-M	MVA225CR2.80TM2.5R	3225MVBA-2.80TM2.5R	426B-280MMB-AV
BJ28E	40VI-6-B-LN-L	VA225CR2.80HLR	3225VBA-2.80HLR	426B-280RSB-APV
BN28E	40VI-6-B-LN-AL	VA225CR2.80LR	3225VBA-2.80LR	426B-280ASB-APV
BT28E	40VI-6-B-LN-TL	VA225CR2.80T0LR	3225VBA-2.80T0LR	426B-280TSB-APV
BV28E	40VI-6-B-LN-SL	VA225CR2.80T2LR	3225VBA-2.80T2LR	426B-280SSB-APV
BG28E	40VI-6-B-LN-ML	MVA225CR2.80TM2.5LR	3225MVBA-2.80TM2.5LR	426B-280MMB-APV
BJ28W	40VI-6-B-LF-LN	WVA225CR2.80HR	3225VWBA-2.80HR	426B-280RSB-WAV
BN28W	40VI-6-B-LFLNA	WVA225CR2.80R	3225VWBA-2.80R	426B-280ASB-WAV
BT28W	40VI-6-B-LFLNT	WVA225CR2.80T0R	3225VWBA-2.80T0R	426B-280TSB-WAV
BV28W	40VI-6-B-LFLNS	WVA225CR2.80T2R	3225VWBA-2.80T2R	426B-280SSB-WAV
BG28W	40VI-6-B-LFLNM	MWVA225CR2.80TM2.5R	3225VWBA-2.80TM2.5R	426B-280MMB-WAV
BJ28D	40VI-6-B-LFLNL	WVA225CR2.80HLR	3225VWBA-2.80HLR	426B-280RSB-WAPV
BN28D	40VI-6-BLFLNAL	WVA225CR2.80LR	3225VWBA-2.80LR	426B-280ASB-WAPV
BT28D	40VI-6-BLFLNTL	WVA225CR2.80T0LR	3225VWBA-2.80T0LR	426B-280TSB-WAPV
BV28D	40VI-6-BLFLNSL	WVA225CR2.80T2LR	3225VWBA-2.80T2LR	426B-280SSB-WAPV
BG28D	40VI-6-BLFLNML	MWVA225CR2.80TM2.5LR	3225MVWBA-2.80TM2.5LR	426B-280MMB-WAPV
CJ28	40VI-6-LN	V225CR2.80HR	3225VCG-2.80HR	426B-280RSG-AV
CN28	40VI-6-LN-A	V225CR2.80R	3225VCG-2.80R	426B-280ASG-AV
CT28	40VI-6-LN-T	V225CR2.80T0R	3225VCG-2.80T0R	426B-280TSG-AV
CV28	40VI-6-LN-S	V225CR2.80T2R	3225VCG-2.80T2R	426B-280SSG-AV
CG28	40VI-6-LN-M	MV225CR2.80TM2.5R	3225MVCG-2.80TM2.5R	426B-280MMG-AV
CJ28E	40VI-6-LN-L	V225CR2.80HLR	3225VCG-2.80HLR	426B-280RSG-APV
CN28E	40VI-6-LN-A-L	V225CR2.80LR	3225VCG-2.80LR	426B-280ASG-APV
CT28E	40VI-6-LN-T-L	V225CR2.80T0LR	3225VCG-2.80T0LR	426B-280TSG-APV
CV28E	40VI-6-LN-S-L	V225CR2.80T2LR	3225VCG-2.80T2LR	426B-280SSG-APV
CG28E	40VI-6-LN-M-L	MV225CR2.80TM2.5LR	3225MVCG-2.80TM2.5LR	426B-280MMG-APV

See footnotes at end of table.

TABLE III. Commercial part number supersession data – Continued.

PIN designator AA59590/06	Vendor similar designator or type part number 1/ 2/			
	CAGE 18915	CAGE 61081	CAGE 5BG68	CAGE 3E7UB
CJ28W	40VI-6-LF-LN	WV225CR2.80HR	3225VWCG-2.80HR	426B-280RSG-WAV
CN28W	40VI-6-LF-LN-A	WV225CR2.80R	3225VWCG-2.80R	426B-280ASG-WAV
CT28W	40VI-6-LF-LN-T	WV225CR2.80T0R	3225VWCG-2.80T0R	426B-280TSG-WAV
CV28W	40VI-6-LF-LN-S	WV225CR2.80T2R	3225VWCG-2.80T2R	426B-280SSG-WAV
CG28W	40VI-6-LF-LN-M	MWV225CR2.80TM2.5R	3225MVWCG-2.80TM2.5R	426B-280MMG-WAV
CJ28D	40VI-6-LF-LN-L	WV225CR2.80HLR	3225VWCG-2.80HLR	426B-280RSG-WAPV
CN28D	40VI-6-LF-LNAL	WV225CR2.80LR	3225VWCG-2.80LR	426B-280ASG-WAPV
CT28D	40VI-6-LF-LNTL	WV225CR2.80T0LR	3225VWCG-2.80T0LR	426B-280TSG-WAPV
CV28D	40VI-6-LF-LNSL	WV225CR2.80T2LR	3225VWCG-2.80T2LR	426B-280SSG-WAPV
CG28D	40VI-6-LF-LNML	MWV225CR2.80TM2.5LR	3225MVWCG-2.80TM2.5LR	426B-280MMG-WAPV
HJ28	40VI-6-B3-LN	VHA225CR2.80HR	3225VBH-2.80HR	426B-280RSH-AV
HN28	40VI-6-B3-LN-A	VHA225CR2.80R	3225VBH-2.80R	426B-280ASH-AV
HT28	40VI-6-B3-LN-T	VHA225CR2.80T0R	3225VBH-2.80T0R	426B-280TSH-AV
HV28	40VI-6-B3-LN-S	VHA225CR2.80T2R	3225VBH-2.80T2R	426B-280SSH-AV
HG28	40VI-6-B3-LN-M	MVHA225CR2.80TM2.5R	3225MVBH-2.80TM2.5R	426B-280MMH-AV
HJ28E	40VI-6-B3-LN-L	VHA225CR2.80HLR	3225VBH-2.80HLR	426B-280RSH-APV
HN28E	40VI-6-B3-LNAL	VHA225CR2.80LR	3225VBH-2.80LR	426B-280ASH-APV
HT28E	40VI-6-B3-LNTL	VHA225CR2.80T0LR	3225VBH-2.80T0LR	426B-280TSH-APV
HV28E	40VI-6-B3-LNSL	VHA225CR2.80T2LR	3225VBH-2.80T2LR	426B-280SSH-APV
HG28E	40VI-6-B3-LNML	MVHA225CR2.80TM2.5LR	3225MVBH-2.80TM2.5LR	426B-280MMH-APV
HJ28W	40VI-6-B3-LFLN	WVHA225CR2.80HR	3225VWBH-2.80HR	426B-280RSH-WAV
HN28W	40VI-6-B3LFLNA	WVHA225CR2.80R	3225VWBH-2.80R	426B-280ASH-WAV
HT28W	40VI-6-B3LFLNT	WVHA225CR2.80T0R	3225VWBH-2.80T0R	426B-280TSH-WAV
HV28W	40VI-6-B3LFLNS	WVHA225CR2.80T2R	3225VWBH-2.80T2R	426B-280SSH-WAV
HG28W	40VI-6-B3LFLNM	MWVHA225CR2.80TM2.5R	3225MVWBH-2.80TM2.5R	426B-280MMH-WAV
HJ28D	40VI-6-B3LFLNL	WVHA225CR2.80HLR	3225VWBH-2.80HLR	426B-280RSH-WAPV
HN28D	40VI-6B3LFLNAL	WVHA225CR2.80LR	3225VWBH-2.80LR	426B-280ASH-WAPV
HT28D	40VI-6B3LFLNTL	WVHA225CR2.80T0LR	3225VWBH-2.80T0LR	426B-280TSH-WAPV
HV28D	40VI-6B3LFLNSL	WVHA225CR2.80T2LR	3225VWBH-2.80T2LR	426B-280SSH-WAPV
HG28D	40VI-6B3LFLNML	MWVHA225CR2.80TM2.5LR	3225MVWBH-2.80TM2.5LR	426B-280MMH-WAPV

See footnotes at end of table.

TABLE III. Commercial part number supersession data – Continued.

PIN designator AA59590/06	Vendor similar designator or type part number <u>1/</u> <u>2/</u>			
	CAGE 18915	CAGE 61081	CAGE 5BG68	CAGE 3E7UB
RJ28	40VI-6-CC-LN	VR225CR2.80HR	3225VCC-2.80HR	426B-280RST-AV
RN28	40VI-6-CC-LN-A	VR225CR2.80R	3225VCC-2.80R	426B-280AST-AV
RT28	40VI-6-CC-LN-T	VR225CR2.80T0R	3225VCC-2.80T0R	426B-280TST-AV
RV28	40VI-6-CC-LN-S	VR225CR2.80T2R	3225VCC-2.80T2R	426B-280SST-AV
RG28	40VI-6-CC-LN-M	MVR225CR2.80TM2.5R	3225MVCC-2.80TM2.5R	426B-280MMT-AV
RJ28E	40VI-6-CC-LN-L	VR225CR2.80HLR	3225VCC-2.80HLR	426B-280RST-APV
RN28E	40VI-6-CC-LNAL	VR225CR2.80LR	3225VCC-2.80LR	426B-280AST-APV
RT28E	40VI-6-CC-LNTL	VR225CR2.80T0LR	3225VCC-2.80T0LR	426B-280TST-APV
RV28E	40VI-6-CC-LNSL	VR225CR2.80T2LR	3225VCC-2.80T2LR	426B-280SST-APV
RG28E	40VI-6-CC-LNML	MVR225CR2.80TM2.5LR	3225MVCC-2.80TM2.5LR	426B-280MMT-APV
RJ28W	40VI-6-CC-LFLN	WVR225CR2.80HR	3225VWCC-2.80HR	426B-280RST-WAV
RN28W	40VI-6-CCLFLNA	WVR225CR2.80R	3225VWCC-2.80R	426B-280AST-WAV
RT28W	40VI-6-CCLFLNT	WVR225CR2.80T0R	3225VWCC-2.80T0R	426B-280TST-WAV
RV28W	40VI-6-CCLFLNS	WVR225CR2.80T2R	3225VWCC-2.80T2R	426B-280SST-WAV
RG28W	40VI-6-CCLFLNM	MWVR225CR2.80TM2.5R	3225MVWCC-2.80TM2.5R	426B-280MMT-WAV
RJ28D	40VI-6-CCLFLNL	WVR225CR2.80HLR	3225VWCC-2.80HLR	426B-280RST-WAPV
RN28D	40VI-6CCLFLNAL	WVR225CR2.80LR	3225VWCC-2.80LR	426B-280AST-WAPV
RT28D	40VI-6CCLFLNTL	WVR225CR2.80T0LR	3225VWCC-2.80T0LR	426B-280TST-WAPV
RV28D	40VI-6CCLFLNSL	WVR225CR2.80T2LR	3225VWCC-2.80T2LR	426B-280SST-WAPV
RG28D	40VI-6CCLFLNML	MWVR225CR2.80TM2.5LR	3225MVWCC-2.80TM2.5LR	426B-280MMT-WAPV

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. Example of PIN with available length designators.

PIN designator AA59590/06	Vendor similar designator or type part number <u>1/</u> <u>2/</u>			
	CAGE 18915	CAGE 61081	CAGE 5BG68	CAGE 3E7UB
CJ18	40VI-4-LN	V225CR1.80HR	3225VCG-1.80HR	426B-180RSG-AV
CJ23	40VI-5-LN	V225CR2.30HR	3225VCG-2.30HR	426B-230RSG-AV
CJ28	40VI-6-LN	V225CR2.80HR	3225VCG-2.80HR	426B-280RSG-AV
CJ30	<u>3/</u>	V225CR3.00HR	3225VCG-3.00HR	426B-300RSG-AV
CJ33	40VI-7-LN	V225CR3.30HR	3225VCG-3.30HR	426B-330RSG-AV
CJ35	<u>3/</u>	V225CR3.50HR	3225VCG-3.50HR	426B-350RSG-AV
CJ38	40VI-8-LN	V225CR3.80HR	3225VCG-3.80HR	426B-380RSG-AV
CJ43	40VI-9-LN	V225CR4.30HR	3225VCG-4.30HR	426B-430RSG-AV
CJ48	40VI-10-LN	V225CR4.80HR	3225VCG-4.80HR	426B-480RSG-AV
CK53 <u>4/</u>	40VI-11-LN	V225CR5.30EHR	3225VCG-5.30EHR	426B-530RSG-CAV
CK55 <u>4/</u>	<u>3/</u>	V225CR5.50EHR	3225VCG-5.50EHR	426B-550RSG-CAV
CK58 <u>4/</u>	40VI-12-LN	V225CR5.80EHR	3225VCG-5.80EHR	426B-580RSG-CAV
CK61 <u>4/</u>	<u>3/</u>	V225CR6.10EHR	3225VCG-6.20EHR	426B-610RSG-CAV
CK63 <u>4/</u>	40VI-13-LN	V225CR6.30EHR	3225VCG-6.30EHR	426B-630RSG-CAV
CK67 <u>4/</u>	<u>3/</u>	V225CR6.70EHR	3225VCG-6.70EHR	426B-670RSG-CAV
CK68 <u>4/</u>	40VI-14-LN	V225CR6.80EHR	3225VCG-6.80EHR	426B-680RSG-CAV
CK73 <u>4/</u>	40VI-15-LN	V225CR7.30EHR	3225VCG-7.30EHR	426B-730RSG-CAV
CK78 <u>4/</u>	40VI-16-LN	V225CR7.80EHR	3225VCG-7.80EHR	426B-780RSG-CAV
CK83 <u>4/</u>	40VI-17-LN	V225CR8.30EHR	3225VCG-8.30EHR	426B-830RSG-CAV
CK88 <u>4/</u>	40VI-18-LN	V225CR8.80EHR	3225VCG-8.80EHR	426B-880RSG-CAV

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.

4/ Lengths 5.3 inches (134.6 mm) and greater require three mounting holes (see [mounting holes](#)).

Guidance on use of alternative parts with less hazardous or non-hazardous materials. This CID specification sheet provides for a number of alternative corrosion prevention finish 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 5998-2012-046

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>.