

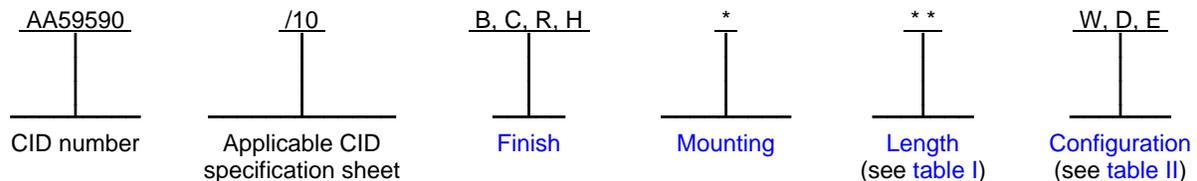
COMMERCIAL ITEM DESCRIPTION  
SPECIFICATION SHEET

HOLDER, ELECTRICAL CARD, WEDGE RETAINERS, 3 PIECE, SCREW ACTUATED DRIVE,  
.220 X .220 INCH BODY SIZE, WITH VISUAL INDICATION 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 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](#) herein).



Example: AA59590/10BN38 is the PIN for a hard black anodize finished, 3.8 inch (96.5 mm) long card holder with  
visual lock indication and a retained actuating screw. The card holder contains no mounting holes for 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.

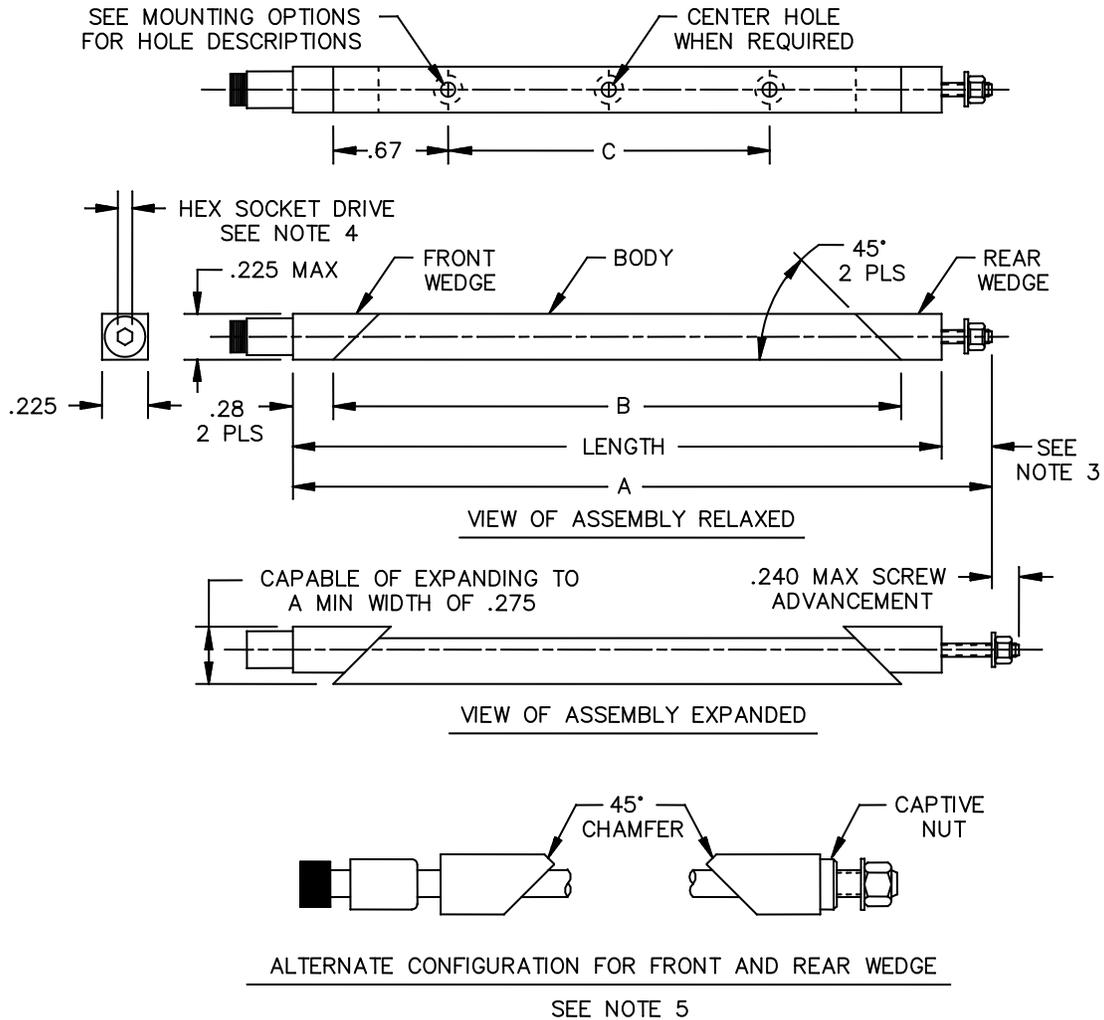
**Interface and physical dimensions.** The card holders supplied to this CID specification sheet shall be as specified on  
[figures 1, 2, 3, 4, 5](#), in [table I](#), and [A-A-59590](#).

**Visual lock indicator (see [figure 2](#)).** The visual lock indicator, intended to show when the card holder is in its relaxed  
unlocked state, shall be as specified in [figure 2](#). When the card holder is in the unlocked (relaxed) state, the end of  
the actuating 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.

**Screw retention (see [figure 3](#)).** The screw retention feature is intended to prevent unintentional disassembly of the  
card holder. The self-locking nut used for the screw retention feature shall be fabricated of a corrosion resistant  
material.

**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 (0.98 inch) for mounting options "G"  
and "M".

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



Inches	mm	Inches	mm	Inches	mm
.07	1.8	.225	5.72	.28	7.1
.220	5.59	.275	6.99	.67	17.0

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 .30 inch (7.6 mm) maximum on all card holder configurations.
4. The across flats dimension for hex drive socket shall be .094 inch (2.38 mm) for mounting options "J", "N", "T", "R", "V", and "S". The across flats dimension for hex drive socket shall be a metric dimension of 2.5 mm (0.98 inch) across flats for mounting options "G" and "M".
5. An alternate design for the front and rear wedge is used on CAGE 18915 parts. The overall length of the assembly will be reduced by approximately .030 inch (0.76 mm).

FIGURE 1. Relaxed and expanded dimensions.

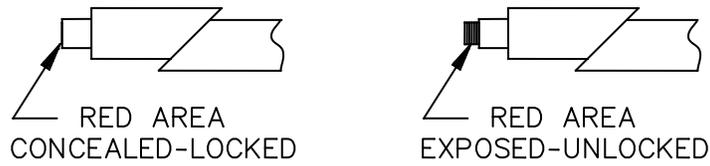


FIGURE 2. Visual lock

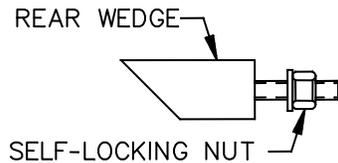


FIGURE 3. Screw retaining self-locking nut (corrosion resistant) details.

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".

Cold plate dimensions. The recommend cold plate slot width to accommodate the circuit card assembly with attached card holder is .250 inch (6.35 mm) plus the thickness of the printed board of the circuit card assembly (see [A-A-59590](#)).

Finish. The finish materials 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. 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). See table I and figure 1 for mounting hole spacing requirements. Card holders using mounting option "J" may be shipped unassembled.

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 .160 to .175 inch (4.06 to 4.45 mm) deep.

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

Mounting holes and 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.

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](#).

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)
18	1.8 (45.7)	2.20 (55.9)	1.24 (31.5)	.75 (19.1)
23	2.3 (58.4)	2.70 (68.6)	1.74 (44.2)	.40 (10.2)
28	2.8 (71.1)	3.20 (81.3)	2.24 (56.8)	.90 (22.9)
30	3.0 (76.2)	3.40 (86.4)	2.44 (62.0)	1.10 (27.9)
33	3.3 (83.8)	3.70 (94.0)	2.74 (69.6)	1.40 (35.6)
35	3.5 (88.9)	3.90 (99.1)	2.94 (74.7)	1.60 (40.6)
38	3.8 (96.5)	4.20 (106.7)	3.24 (82.3)	1.90 (48.3)
43	4.3 (109.2)	4.70 (119.4)	3.74 (95.0)	2.40 (61.0)
48	4.8 (121.9)	5.20 (132.1)	4.24 (107.7)	2.90 (73.7)
53	5.3 (134.6)	5.70 (144.8)	4.74 (120.4)	3.40 (86.4)
58	5.8 (147.3)	6.20 (157.5)	5.24 (133.1)	3.90 (99.1)
63	6.3 (160.0)	6.70 (170.2)	5.74 (145.8)	4.40 (111.8)
68	6.8 (172.7)	7.20 (182.9)	6.24 (158.5)	4.90 (124.5)
73	7.3 (185.4)	7.70 (195.6)	6.74 (171.2)	5.40 (137.2)
78	7.8 (198.1)	8.20 (208.3)	7.24 (183.9)	5.90 (149.9)
83	8.3 (210.8)	8.70 (221.0)	7.74 (196.6)	6.40 (162.6)
88	8.8 (223.5)	9.20 (233.7)	8.24 (209.3)	6.90 (175.3)

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 figures 1, 2, 3, and may include those on figures 4 and 5. The correct PIN configuration identifier for each option is listed in table II. 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 table I, classification and notes herein).

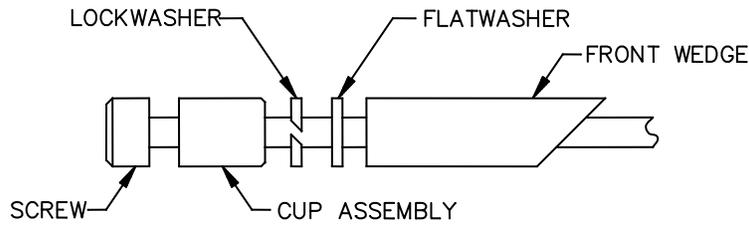


FIGURE 4. Lockwasher and flat washer details.

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 [table I, classification](#) and notes herein).

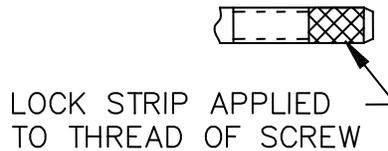


FIGURE 5. Screw self-locking element details.

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 [table I, 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): <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 supersedes the following manufacturer's part numbers as shown in table III. The CID PINs listed in table II 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 AA59590/10	Vendor similar designator or type part number <a href="#">1/</a> <a href="#">2/</a>			
	CAGE 18915	CAGE 61081	CAGE 5BG68	CAGE 3E7UB
BJ28	42VI-6-B-LN	VA230CR2.80HR	3220VBA-2.80HR	422B-280RSB-AV
BN28	42VI-6-B-LN-A	VA230CR2.80R	3220VBA-2.80R	422B-280ASB-AV
BT28	42VI-6-B-LN-T	VA230CR2.80T0R	3220VBA-2.80T0R	422B-280TSB-AV
BV28	42VI-6-B-LN-S	VA230CR2.80T2R	3220VBA-2.80T2R	422B-280SSB-AV
BG28	42VI-6-B-LN-M	MVA230CR2.80TM2.5R	3220MVBA-2.80TM2.5R	422B-280MMB-AV
BJ28W	42VI-6-B-LF-LN	WVA230CR2.80HR	3220VWBA-2.80HR	422B-280RSB-WAV
BN28W	42VI-6-B-LFLNA	WVA230CR2.80R	3220VWBA-2.80R	422B-280ASB-WAV
BT28W	42VI-6-B-LFLNT	WVA230CR2.80T0R	3220VWBA-2.80T0R	422B-280TSB-WAV
BV28W	42VI-6-B-LFLNS	WVA230CR2.80T2R	3220VWBA-2.80T2R	422B-280SSB-WAV
BG28W	42VI-6-B-LFLNM	MWVA230CR2.80TM2.5R	3220MVWBA-2.80TM2.5R	422B-280MMB-WAV

See footnotes at end of table.

TABLE III. Commercial part number supersession data – Continued.

PIN designator AA59590/10	Vendor similar designator or type part number <a href="#">1/</a> <a href="#">2/</a>			
	CAGE 18915	CAGE 61081	CAGE 5BG68	CAGE 3E7UB
BJ28E	42VI-6-B-LN-L	VA230CR2.80HLR	3220VBA-2.80HLR	422B-280RSB-APV
BN28E	42VI-6-B-LN-AL	VA230CR2.80LR	3220VBA-2.80LR	422B-280ASB-APV
BT28E	42VI-6-B-LN-TL	VA230CR2.80T0LR	3220VBA-2.80T0LR	422B-280TSB-APV
BV28E	42VI-6-B-LN-SL	VA230CR2.80T2LR	3220VBA-2.80T2LR	422B-280SSB-APV
BG28E	42VI-6-B-LN-ML	MVA230CR2.80TM2.5LR	3220MVBA-2.80TM2.5LR	422B-280MMB-APV
BJ28D	42VI-6-B-LFLNL	WVA230CR2.80HLR	3220VWBA-2.80HLR	422B-280RSB-WAPV
BN28D	42VI-6-BLFLNAL	WVA230CR2.80LR	3220VWBA-2.80LR	422B-280ASB-WAPV
BT28D	42VI-6-BLFLNTL	WVA230CR2.80T0LR	3220VWBA-2.80T0LR	422B-280TSB-WAPV
BV28D	42VI-6-BLFLNSL	WVA230CR2.80T2LR	3220VWBA-2.80T2LR	422B-280SSB-WAPV
BG28D	42VI-6-BLFLNML	MWVA230CR2.80TM2.5LR	3220MVWBA-2.80TM2.5LR	422B-280MMB-WAPV
CJ28	42VI-6-LN	V230CR2.80HR	3220VCG-2.80HR	422B-280RSG-AV
CN28	42VI-6-LN-A	V230CR2.80R	3220VCG-2.80R	422B-280ASG-AV
CT28	42VI-6-LN-T	V230CR2.80T0R	3220VCG-2.80T0R	422B-280TSG-AV
CV28	42VI-6-LN-S	V230CR2.80T2R	3220VCG-2.80T2R	422B-280SSG-AV
CG28	42VI-6-LN-M	MV230CR2.80TM2.5R	3220VCG-2.80TM2.5R	422B-280MMG-AV
CJ28W	42VI-6-LF-LN	WV230CR2.80HR	3220VWCG-2.80HR	422B-280RSG-WAV
CN28W	42VI-6-LF-LN-A	WV230CR2.80R	3220VWCG-2.80R	422B-280ASG-WAV
CT28W	42VI-6-LF-LN-T	WV230CR2.80T0R	3220VWCG-2.80T0R	422B-280TSG-WAV
CV28W	42VI-6-LF-LN-S	WV230CR2.80T2R	3220VWCG-2.80T2R	422B-280SSG-WAV
CG28W	42VI-6-LF-LN-M	MWV230CR2.80TM2.5R	3220MVWCG-2.80TM2.5R	422B-280MMG-WAV
CJ28E	42VI-6-LN-L	V230CR2.80HLR	3220VCG-2.80HLR	422B-280RSG-APV
CN28E	42VI-6-LN-A-L	V230CR2.80LR	3220VCG-2.80LR	422B-280ASG-APV
CT28E	42VI-6-LN-T-L	V230CR2.80T0LR	3220VCG-2.80T0LR	422B-280TSG-APV
CV28E	42VI-6-LN-S-L	V230CR2.80T2LR	3220VCG-2.80T2LR	422B-280SSG-APV
CG28E	42VI-6-LN-M-L	MV230CR2.80TM2.5LR	3220MVCG-2.80TM2.5LR	422B-280MMG-APV
CJ28D	42VI-6-LF-LN-L	WV230CR2.80HLR	3220VWCG-2.80HLR	422B-280RSG-WAPV
CN28D	42VI-6-LF-LNAL	WV230CR2.80LR	3220VWCG-2.80LR	422B-280ASG-WAPV
CT28D	42VI-6-LF-LNTL	WV230CR2.80T0LR	3220VWCG-2.80T0LR	422B-280TSG-WAPV
CV28D	42VI-6-LF-LNSL	WV230CR2.80T2LR	3220VWCG-2.80T2LR	422B-280SSG-WAPV
CG28D	42VI-6-LF-LNML	MWV230CR2.80TM2.5LR	3220MVWCG-2.80TM2.5LR	422B-280MMG-WAPV

See footnotes at end of table.

TABLE III. Commercial part number supersession data – Continued.

PIN designator AA59590/10	Vendor similar designator or type part number <a href="#">1/</a> <a href="#">2/</a>			
	CAGE 18915	CAGE 61081	CAGE 5BG68	CAGE 3E7UB
HJ28	42VI-6-B3-LN	VHA230CR2.80HR	3220VHA-2.80HR	422B-280RSH-AV
HN28	42VI-6-B3-LN-A	VHA230CR2.80R	3220VHA-2.80R	422B-280ASH-AV
HT28	42VI-6-B3-LN-T	VHA230CR2.80T0R	3220VHA-2.80T0R	422B-280TSH-AV
HV28	42VI-6-B3-LN-S	VHA230CR2.80T2R	3220VHA-2.80T2R	422B-280SSH-AV
HG28	42VI-6-B3-LN-M	MVHA230CR2.80TM2.5R	3220MVHA-2.80TM2.5R	422B-280MMH-AV
HJ28W	42VI-6-B3-LFLN	WVHA230CR2.80HR	3220VWHA-2.80HR	422B-280RSH-WAV
HN28W	42VI-6-B3LFLNA	WVHA230CR2.80R	3220VWHA-2.80R	422B-280ASH-WAV
HT28W	42VI-6-B3LFLNT	WVHA230CR2.80T0R	3220VWHA-2.80T0R	422B-280TSH-WAV
HV28W	42VI-6-B3LFLNS	WVHA230CR2.80T2R	3220VWHA-2.80T2R	422B-280SSH-WAV
HG28W	42VI-6-B3LFLNM	MWVHA230CR2.80TM2.5R	3220MVWHA-2.80TM2.5R	422B-280MMH-WAV
HJ28E	42VI-6-B3-LN-L	VHA230CR2.80HLR	3220VHA-2.80HLR	422B-280RSH-APV
HN28E	42VI-6-B3-LNAL	VHA230CR2.80LR	3220VHA-2.80LR	422B-280ASH-APV
HT28E	42VI-6-B3-LNTL	VHA230CR2.80T0LR	3220VHA-2.80T0LR	422B-280TSH-APV
HV28E	42VI-6-B3-LNSL	VHA230CR2.80T2LR	3220VHA-2.80T2LR	422B-280SSH-APV
HG28E	42VI-6-B3-LNML	MVHA230CR2.80TM2.5LR	3220MVHA-2.80TM2.5LR	422B-280MMH-APV
HJ28D	42VI-6-B3LFLNL	WVHA230CR2.80HLR	3220VWHA-2.80HLR	422B-280RSH-WAPV
HN28D	42VI-6B3LFLNAL	WVHA230CR2.80LR	3220VWHA-2.80LR	422B-280ASH-WAPV
HT28D	42VI-6B3LFLNTL	WVHA230CR2.80T0LR	3220VWHA-2.80T0LR	422B-280TSH-WAPV
HV28D	42VI-6B3LFLNSL	WVHA230CR2.80T2LR	3220VWHA-2.80T2LR	422B-280SSH-WAPV
HG28D	42VI-6B3LFLNML	MWVHA230CR2.80TM2.5LR	3220MVWHA-2.80TM2.5LR	422B-280MMH-WAPV
RJ28	42VI-6-CC-LN	VR230CR2.80HR	3220VCC-2.80HR	422B-280RST-AV
RN28	42VI-6-CC-LN-A	VR230CR2.80R	3220VCC-2.80R	422B-280AST-AV
RT28	42VI-6-CC-LN-T	VR230CR2.80T0R	3220VCC-2.80T0R	422B-280TST-AV
RV28	42VI-6-CC-LN-S	VR230CR2.80T2R	3220VCC-2.80T2R	422B-280SST-AV
RG28	42VI-6-CC-LN-M	MVR230CR2.80TM2.5R	3220MVCC-2.80TM2.5R	422B-280MMT-AV
RJ28W	42VI-6-CC-LFLN	WVR230CR2.80HR	3220VWCC-2.80HR	422B-280RST-WAV
RN28W	42VI-6-CCLFLNA	WVR230CR2.80R	3220VWCC-2.80R	422B-280AST-WAV
RT28W	42VI-6-CCLFLNT	WVR230CR2.80T0R	3220VWCC-2.80T0R	422B-280TST-WAV
RV28W	42VI-6-CCLFLNS	WVR230CR2.80T2R	3220VWCC-2.80T2R	422B-280SST-WAV
RG28W	42VI-6-CCLFLNM	MWVR230CR2.80TM2.5R	3220MVWCC-2.80TM2.5R	422B-280MMT-WAV

See footnotes at end of table.

TABLE III. Commercial part number supersession data – Continued.

PIN designator AA59590/10	Vendor similar designator or type part number <u>1/</u> <u>2/</u>			
	CAGE 18915	CAGE 61081	CAGE 5BG68	CAGE 3E7UB
RJ28E	42VI-6-CC-LN-L	VR230CR2.80HLR	3220VCC-2.80HLR	422B-280RST-APV
RN28E	42VI-6-CC-LNAL	VR230CR2.80LR	3220VCC-2.80LR	422B-280AST-APV
RT28E	42VI-6-CC-LNTL	VR230CR2.80T0LR	3220VCC-2.80T0LR	422B-280TST-APV
RV28E	42VI-6-CC-LNSL	VR230CR2.80T2LR	3220VCC-2.80T2LR	422B-280SST-APV
RG28E	42VI-6-CC-LNML	MVR230CR2.80TM2.5LR	3220MVCC-2.80TM2.5LR	422B-280MMT-APV
RJ28D	42VI-6CCLFLNL	WVR230CR2.80HLR	3220VWCC-2.80HLR	422B-280RST-WAPV
RN28D	42VI-6CCLFLNAL	WVR230CR2.80LR	3220VWCC-2.80LR	422B-280AST-WAPV
RT28D	42VI-6CCLFLNTL	WVR230CR2.80T0LR	3220VWCC-2.80T0LR	422B-280TST-WAPV
RV28D	42VI-6CCLFLNSL	WVR230CR2.80T2LR	3220VWCC-2.80T2LR	422B-280SST-WAPV
RG28D	42VI-6CCLFLNML	MWVR230CR2.80TM2.5LR	3220MVWCC-2.80TM2.5LR	422B-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 AA59590/10	Vendor similar designator or type part number <u>1/</u> <u>2/</u>			
	CAGE 18915	CAGE 61081	CAGE 5BG68	CAGE 3E7UB
BN18	42VI-4-B-LN-A		3220VBA-1.80T2LR	422B-180ASB-AV
BN23	42VI-5-B-LN-A	VA230CR2.30T2LR	3220VBA-2.30T2LR	422B-230ASB-AV
BN28	42VI-6-B-LN-A	VA230CR2.80R	3220VBA-2.80R	422B-280ASB-AV
BN30	<u>3/</u>	VA230CR3.00T2LR	3220VBA-3.00T2LR	422B-300ASB-AV
BN33	42VI-7-B-LN-A	VA230CR3.30T2LR	3220VBA-3.30T2LR	422B-330ASB-AV
BN35	<u>3/</u>	VA230CR3.50T2LR	3220VBA-3.50T2LR	422B-350ASB-AV
BN38	42VI-8-B-LN-A	VA230CR3.80T2LR	3220VBA-3.80T2LR	422B-380ASB-AV
BN43	42VI-9-B-LN-A	VA230CR4.30T2LR	3220VBA-4.30T2LR	422B-430ASB-AV
BN48	42VI-10-B-LN-A	VA230CR4.80T2LR	3220VBA-4.80T2LR	422B-480ASB-AV
BN53	42VI-11-B-LN-A	VA230CR5.30ET2LR	3220VBA-5.30ET2LR	422B-530ASB-CAV
BN58	42VI-12-B-LN-A	VA230CR5.80ET2LR	3220VBA-5.80ET2LR	422B-580ASB-CAV
BN63	42VI-13-B-LN-A	VA230CR6.30ET2LR	3220VBA-6.30ET2LR	422B-630ASB-CAV
BN68	42VI-14-B-LN-A	VA230CR6.80ET2LR	3220VBA-6.80ET2LR	422B-680ASB-CAV

See footnotes at end of table.

TABLE IV. Example of PIN with available length designators – Continued.

PIN designator AA59590/10	Vendor similar designator or type part number <u>1/</u> <u>2/</u>			
	CAGE 18915	CAGE 61081	CAGE 5BG68	CAGE 3E7UB
BN73	42VI-15-B-LN-A	VA230CR7.30ET2LR	3220VBA-7.30ET2LR	422B-730ASB-CAV
BN78	42VI-16-B-LN-A	VA230CR7.80ET2LR	3220VBA-7.80ET2LR	422B-780ASB-CAV
BN83	42VI-17-B-LN-A	VA230CR8.30ET2LR	3220VBA-8.30ET2LR	422B-830ASB-CAV
BN88	42VI-18-B-LN-A	VA230CR8.80ET2LR	3220VBA-8.80ET2LR	422B-880ASB-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.

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 activities:

- Army – MI
- Air Force – 99

CIVIL AGENCY COORDINATING ACTIVITY:

GSA – FAS

Preparing activity:

DLA – CC

Project 5998-2012-050

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>.