

[INCH-POUND]
A-A-59590/9C
9 October 2013
SUPERSEDING
A-A-59590/9B
21 June 2010

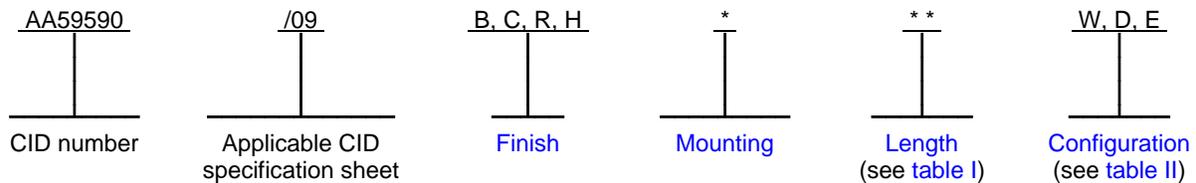
COMMERCIAL ITEM DESCRIPTION
SPECIFICATION SHEET

HOLDER, ELECTRICAL CARD, WEDGE RETAINERS, 3 PIECE,
SCREW ACTUATED DRIVE, .220 X .220 INCH BODY SIZE, WITH 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: AA59590/09BV28E is the PIN for a hard black anodize finished, 2.8 inch (71.1 mm) long card holder with a
retained actuating screw. The card holder also features two tapped mounting holes for use with 2-56 UNC 2B
fasteners and a screw self-lock element for added resistance to loosening.

SALIENT CHARACTERISTICS.

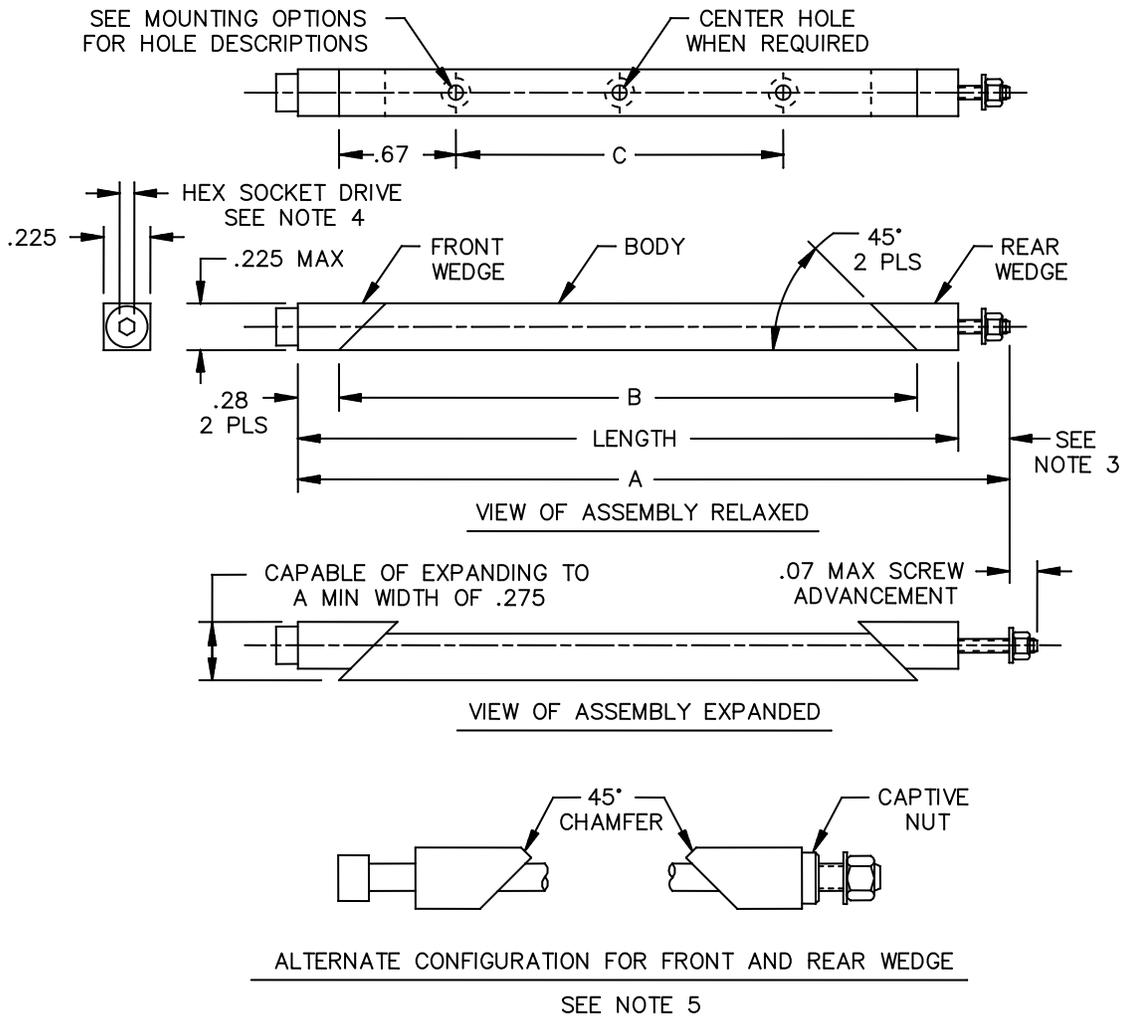
Performance. Card holders shall hold the circuit card assembly firmly in its installed position. When the card holder
is installed properly, it is capable of withstanding 60g/6ms of shock, 25 G-rms of vibration, and provides from 2 to 4
degrees C/W/inch thermal resistance transfer between the circuit 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](#), in [table I](#), and [A-A-59590](#).

Screw retention (see [figure 2](#)). The screw retention feature is intended to prevent the 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 ± 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 .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.

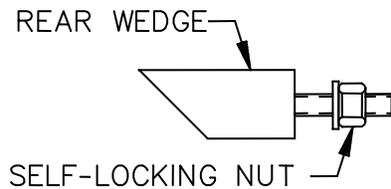


FIGURE 2. Screw retaining self-locking nut (corrosion resistant) details.

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.

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.

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.

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" 2/ ±.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.

2/ The overall length of the assembly supplied by CAGE 18915 will be reduced by approximately .030 inch (0.76 mm) due to an alternate design for the front and rear wedge.

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 and 2, and may include those on figures 3 and 4. 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. 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 [table I](#), [classification](#) and notes herein).

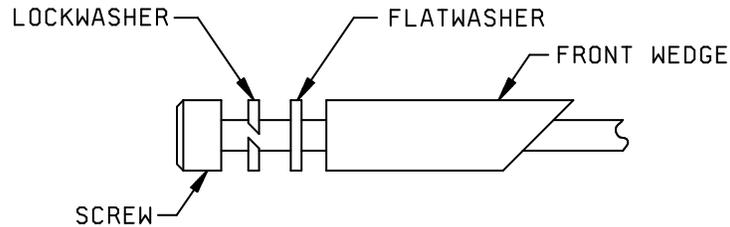


FIGURE 3. Lockwasher and flat washer details.

Screw self-locking element (see figure 4). The use of a screw self-locking element on the screw will provide 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).

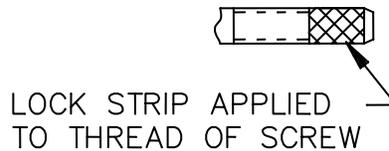


FIGURE 4. Screw self-locking element details.

Lockwasher, flat washer, and screw self-locking element. Card holders requiring a lockwasher, flat washer, and screw self-locking element 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): 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: 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 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 AA59590/09	Vendor similar designator or type part number <u>1/</u> <u>2/</u>			
	CAGE 18915	CAGE 61081	CAGE 5BG68	CAGE 3E7UB
BJ28	42-6-B-LN	A230CR2.80HR	3220BA-2.80HR	422B-280RSB-A
BN28	42-6-B-LN-A	A230CR2.80R	3220BA-2.80R	422B-280ASB-A
BT28	42-6-B-LN-T	A230CR2.80T0R	3220BA-2.80T0R	422B-280TSB-A
BV28	42-6-B-LN-S	A230CR2.80T2R	3220BA-2.80T2R	422B-280SSB-A
BG28	42-6-B-LN-M	MA230CR2.80TM2.5R	3220MBA-2.80TM2.5R	422B-280MMB-A
BJ28W	42-6-B-LF-LN	WA230CR2.80HR	3220WBA-2.80HR	422B-280RSB-WA
BN28W	42-6-B-LF-LN-A	WA230CR2.80R	3220WBA-2.80R	422B-280ASB-WA
BT28W	42-6-B-LF-LN-T	WA230CR2.80T0R	3220WBA-2.80T0R	422B-280TSB-WA
BV28W	42-6-B-LF-LN-S	WA230CR2.80T2R	3220WBA-2.80T2R	422B-280SSB-WA
BG28W	42-6-B-LF-LN-M	MWA230CR2.80TM2.5R	3220MWBA-2.80TM2.5R	422B-280MMB-WA

See footnotes at end of table.

TABLE III. Commercial part number supersession data – Continued.

PIN designator AA59590/09	Vendor similar designator or type part number 1/ 2/			
	CAGE 18915	CAGE 61081	CAGE 5BG68	CAGE 3E7UB
BJ28E	42-6-B-LN-L	A230CR2.80HLR	3220BA-2.80HLR	422B-280RSB-AP
BN28E	42-6-B-LN-A-L	A230CR2.80LR	3220BA-2.80LR	422B-280ASB-AP
BT28E	42-6-B-LN-T-L	A230CR2.80T0LR	3220BA-2.80T0LR	422B-280TSB-AP
BV28E	42-6-B-LN-S-L	A230CR2.80T2LR	3220BA-2.80T2LR	422B-280SSB-AP
BG28E	42-6-B-LN-M-L	MA230CR2.80TM2.5LR	3220BA-2.80TM2.5LR	422B-280MMB-AP
BJ28D	42-6-B-LF-LN-L	WA230CR2.80HLR	3220WBA-2.80HLR	422B-280RSB-WAP
BN28D	42-6-B-LF-LNAL	WA230CR2.80LR	3220WBA-2.80LR	422B-280ASB-WAP
BT28D	42-6-B-LF-LNTL	WA230CR2.80T0LR	3220WBA-2.80T0LR	422B-280TSB-WAP
BV28D	42-6-B-LF-LNSL	WA230CR2.80T2LR	3220WBA-2.80T2LR	422B-280SSB-WAP
BG28D	42-6-B-LF-LNML	MWA230CR2.80TM2.5LR	3220MWBA-2.80TM2.5LR	422B-280MMB-WAP
CJ28	42-6-LN	230CR2.80HR	3220CG-2.80HR	422B-280RSG-A
CN28	42-6-LN-A	230CR2.80R	3220CG-2.80R	422B-280ASG-A
CT28	42-6-LN-T	230CR2.80T0R	3220CG-2.80T0R	422B-280TSG-A
CV28	42-6-LN-S	230CR2.80T2R	3220CG-2.80T2R	422B-280SSG-A
CG28	42-6-LN-M	M230CR2.80TM2.5R	3220MCG-2.80TM2.5R	422B-280MMG-A
CJ28W	42-6-LF-LN	W230CR2.80HR	3220WCG-2.80HR	422B-280RSG-WA
CN28W	42-6-LF-LN-A	W230CR2.80R	3220WCG-2.80R	422B-280ASG-WA
CT28W	42-6-LF-LN-T	W230CR2.80T0R	3220WCG-2.80T0R	422B-280TSG-WA
CV28W	42-6-LF-LN-S	W230CR2.80T2R	3220WCG-2.80T2R	422B-280SSG-WA
CG28W	42-6-LF-LN-M	MW230CR2.80TM2.5R	3220MWCG-2.80TM2.5R	422B-280MMG-WA
CJ28E	42-6-LN-L	230CR2.80HLR	3220CG-2.80HLR	422B-280RSG-AP
CN28E	42-6-LN-A-L	230CR2.80LR	3220CG-2.80LR	422B-280ASG-AP
CT28E	42-6-LN-T-L	230CR2.80T0LR	3220CG-2.80T0LR	422B-280TSG-AP
CV28E	42-6-LN-S-L	230CR2.80T2LR	3220CG-2.80T2LR	422B-280SSG-AP
CG28E	42-6-LN-M-L	M230CR2.80TM2.5LR	3220MCG-2.80TM2.5LR	422B-280MMG-AP
CJ28D	42-6-LF-LN-L	W230CR2.80HLR	3220WCG-2.80HLR	422B-280RSG-WAP
CN28D	42-6-LF-LN-A-L	W230CR2.80LR	3220WCG-2.80LR	422B-280ASG-WAP
CT28D	42-6-LF-LN-T-L	W230CR2.80T0LR	3220WCG-2.80T0LR	422B-280TSG-WAP
CV28D	42-6-LF-LN-S-L	W230CR2.80T2LR	3220WCG-2.80T2LR	422B-280SSG-WAP
CG28D	42-6-LF-LN-M-L	MW230CR2.80TM2.5LR	3220MWCG-2.80TM2.5LR	422B-280MMG-WAP

See footnotes at end of table.

TABLE III. Commercial part number supersession data – Continued.

PIN designator AA59590/09	Vendor similar designator or type part number 1/ 2/			
	CAGE 18915	CAGE 61081	CAGE 5BG68	CAGE 3E7UB
HJ28	42-6-B3-LN	HA230CR2.80HR	3220HA-2.80HR	422B-280RSH-A
HN28	42-6-B3-LN-A	HA230CR2.80R	3220HA-2.80R	422B-280ASH-A
HT28	42-6-B3-LN-T	HA230CR2.80T0R	3220HA-2.80T0R	422B-280TSH-A
HV28	42-6-B3-LN-S	HA230CR2.80T2R	3220HA-2.80T2R	422B-280SSH-A
HG28	42-6-B3-LN-M	MHA230CR2.80TM2.5R	3220MHA-2.80TM2.5R	422B-280MMH-A
HJ28W	42-6-B3-LN-LF	WHA230CR2.80HR	3220WHA-2.80HR	422B-280RSH-WA
HN28W	42-6-B3-LF-LNA	WHA230CR2.80R	3220WHA-2.80R	422B-280ASH-WA
HT28W	42-6-B3-LF-LNT	WHA230CR2.80T0R	3220WHA-2.80T0R	422B-280TSH-WA
HV28W	42-6-B3-LF-LNS	WHA230CR2.80T2R	3220WHA-2.80T2R	422B-280SSH-WA
HG28W	42-6-B3-LF-LNM	MWHA230CR2.80TM2.5R	3220MWHA-2.80TM2.5R	422B-280MMH-WA
HJ28E	42-6-B3-LN-L	HA230CR2.80HLR	3220HA-2.80HLR	422B-280RSH-AP
HN28E	42-6-B3-LN-A-L	HA230CR2.80LR	3220HA-2.80LR	422B-280ASH-AP
HT28E	42-6-B3-LN-T-L	HA230CR2.80T0LR	3220HA-2.80T0LR	422B-280TSH-AP
HV28E	42-6-B3-LN-S-L	HA230CR2.80T2LR	3220HA-2.80T2LR	422B-280SSH-AP
HG28E	42-6-B3-LN-M-L	MHA230CR2.80TM2.5LR	3220MHA-2.80TM2.5LR	422B-280MMH-AP
HJ28D	42-6-B3-LF-LNL	WHA230CR2.80HLR	3220WHA-2.80HLR	422B-280RSH-WAP
HN28D	42-6-B3-LFLNAL	WHA230CR2.80LR	3220WHA-2.80LR	422B-280ASH-WAP
HT28D	42-6-B3-LFLNTL	WHA230CR2.80T0LR	3220WHA-2.80T0LR	422B-280TSH-WAP
HV28D	42-6-B3-LFLNSL	WHA230CR2.80T2LR	3220WHA-2.80T2LR	422B-280SSH-WAP
HG28D	42-6-B3-LFLNML	MWHA230CR2.80TM2.5LR	3220MWHA-2.80TM2.5LR	422B-280MMH-WAP
RJ28	42-6-CC-LN	R230CR2.80HR	3220CC-2.80HR	422B-280RST-A
RN28	42-6-CC-LN-A	R230CR2.80R	3220CC-2.80R	422B-280AST-A
RT28	42-6-CC-LN-T	R230CR2.80T0R	3220CC-2.80T0R	422B-280TST-A
RV28	42-6-CC-LN-S	R230CR2.80T2R	3220CC-2.80T2R	422B-280SST-A
RG28	42-6-CC-LN-M	RM230CR2.80TM2.5R	3220MCC-2.80TM2.5R	422B-280MMT-A
RJ28W	42-6-CC-LN-LF	WR230CR2.80HR	3220WCC-2.80HR	422B-280RST-WA
RN28W	42-6-CC-LF-LNA	WR230CR2.80R	3220WCC-2.80R	422B-280AST-WA
RT28W	42-6-CC-LF-LNT	WR230CR2.80T0R	3220WCC-2.80T0R	422B-280TST-WA
RV28W	42-6-CC-LF-LNS	WR230CR2.80T2R	3220WCC-2.80T2R	422B-280SST-WA
RG28W	42-6-CC-LF-LNM	MWR230CR2.80TM2.5R	3220MWCC-2.80TM2.5R	422B-280MMT-WA

See footnotes at end of table.

TABLE III. Commercial part number supersession data – Continued.

PIN designator AA59590/09	Vendor similar designator or type part number <u>1/ 2/</u>			
	CAGE 18915	CAGE 61081	CAGE 5BG68	CAGE 3E7UB
RJ28E	42-6-CC-LN-L	R230CR2.80HLR	3220CC-2.80HLR	422B-280RST-AP
RN28E	42-6-CC-LN-A-L	R230CR2.80LR	3220CC-2.80LR	422B-280AST-AP
RT28E	42-6-CC-LN-T-L	R230CR2.80T0LR	3220CC-2.80T0LR	422B-280TST-AP
RV28E	42-6-CC-LN-S-L	R230CR2.80T2LR	3220CC-2.80T2LR	422B-280SST-AP
RG28E	42-6-CC-LN-M-L	RM230CR2.80TM2.5LR	3220MCC-2.80TM2.5LR	422B-280MMT-AP
RJ28D	42-6-CC-LF-LNL	WR230CR2.80HLR	3220WCC-2.80HLR	422B-280RST-WAP
RN28D	42-6-CC-LFLNAL	WR230CR2.80LR	3220WCC-2.80LR	422B-280AST-WAP
RT28D	42-6-CC-LFLNLT	WR230CR2.80T0LR	3220WCC-2.80T0LR	422B-280TST-WAP
RV28D	42-6-CC-LFLNSL	WR230CR2.80T2LR	3220WCC-2.80T2LR	422B-280SST-WAP
RG28D	42-6-CC-LFLNML	MWR230CR2.80TM2.5LR	3220MWCC-2.80TM2.5LR	422B-280MMT-WAP

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 AA59590/09	Vendor similar designator or type part number <u>1/ 2/</u>			
	CAGE 18915	CAGE 61081	CAGE 5BG68	CAGE 3E7UB
BV18E	42-4-B-LN-S-L		3220BA-1.80T2LR	422B-180SSB-AP
BV23E	42-5-B-LN-S-L	A230CR2.30T2LR	3220BA-2.30T2LR	422B-230SSB-AP
BV28E	42-6-B-LN-S-L	A230CR2.80T2LR	3220BA-2.80T2LR	422B-280SSB-AP
BV30E	<u>3/</u>	A230CR3.00T2LR	3220BA-3.00T2LR	422B-300SSB-AP
BV33E	42-7-B-LN-S-L	A230CR3.30T2LR	3220BA-3.30T2LR	422B-330SSB-AP
BV35E	<u>3/</u>	A230CR3.50T2LR	3220BA-3.50T2LR	422B-350SSB-AP
BV38E	42-8-B-LN-S-L	A230CR3.80T2LR	3220BA-3.80T2LR	422B-380SSB-AP
BV43E	42-9-B-LN-S-L	A230CR4.30T2LR	3220BA-4.30T2LR	422B-430SSB-AP
BV48E	42-10-B-LN-S-L	A230CR4.80T2LR	3220BA-4.80T2LR	422B-480SSB-AP
BS53E	42-11-B-LN-S-L	A230CR5.30ET2LR	3220BA-5.30ET2LR	422B-530SSB-CAP
BS58E	42-12-B-LN-S-L	A230CR5.80ET2LR	3220BA-5.80ET2LR	422B-580SSB-CAP
BS63E	42-13-B-LN-S-L	A230CR6.30ET2LR	3220BA-6.30ET2LR	422B-630SSB-CAP
BS68E	42-14-B-LN-S-L	A230CR6.80ET2LR	3220BA-6.80ET2LR	422B-680SSB-CAP

See footnote at end of table.

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

PIN designator AA59590/09	Vendor similar designator or type part number <u>1/</u> <u>2/</u>			
	CAGE 18915	CAGE 61081	CAGE 5BG68	CAGE 3E7UB
BS73E	42-15-B-LN-S-L	A230CR7.30ET2LR	3220BA-7.30ET2LR	422B-730SSB-CAP
BS78E	42-16-B-LN-S-L	A230CR7.80ET2LR	3220BA-7.80ET2LR	422B-780SSB-CAP
BS83E	42-17-B-LN-S-L	A230CR8.30ET2LR	3220BA-8.30ET2LR	422B-830SSB-CAP
BS88E	42-18-B-LN-S-L	A230CR8.80ET2LR	3220BA-8.80ET2LR	422B-880SSB-CAP

- 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 5998-2012-049

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>.