

[INCH-POUND]
A-A-59789/19B
19 May 2015
SUPERSEDING
A-A-59789/19A
31 March 2010

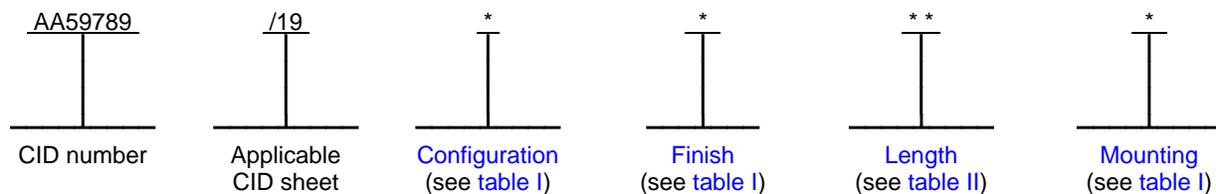
COMMERCIAL ITEM DESCRIPTION SPECIFICATION SHEET

HOLDER, ELECTRICAL CARD, WEDGE RETAINERS, 5 PIECE, FOR COLD PLATE APPLICATIONS,
.250 X .270 INCH (6.35 x 6.86 mm) BODY SIZE, SHAFT MOUNTING BODY,
WITH CAPTIVE REAR WEDGE, SCREW ACTUATED

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-59789](#).

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



Example: AA59789/19DH30S is the PIN for a hard black anodized finished, 2.8 inch (71.1 mm) long card holder. The card holder also features three tapped mounting holes for use with 2-56 UNF 2B fasteners and a screw self-locking element for added resistance to loosening.

SALIENT CHARACTERISTICS.

Performance. Card holders shall hold the circuit card firmly in place providing high resistance to shock and vibration while providing maximum thermal transfer.

Interface and physical dimensions. The card holders supplied to this CID specification sheet shall be as specified herein and meet the general requirements specified in CID [A-A-59789](#).

Material. Unless otherwise specified herein, the card holder materials shall be as specified in [A-A-59789](#).

Actuating screw hex drive socket. The dimension for hex drive socket shall be .094 inch (2.38 mm) across flats for mounting options "M", "R", "S", "T", and "U".

Cold plate slot width. The recommended 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-59789](#)).

Installation torque. The recommended nominal installation torque is follows: 6 inch-pounds (0.7 N-m) for card holders of configuration "C" or "E" and 7 to 8 inch-pounds (0.8 to 0.9 N-m) for assemblies of configurations "L" or "D".

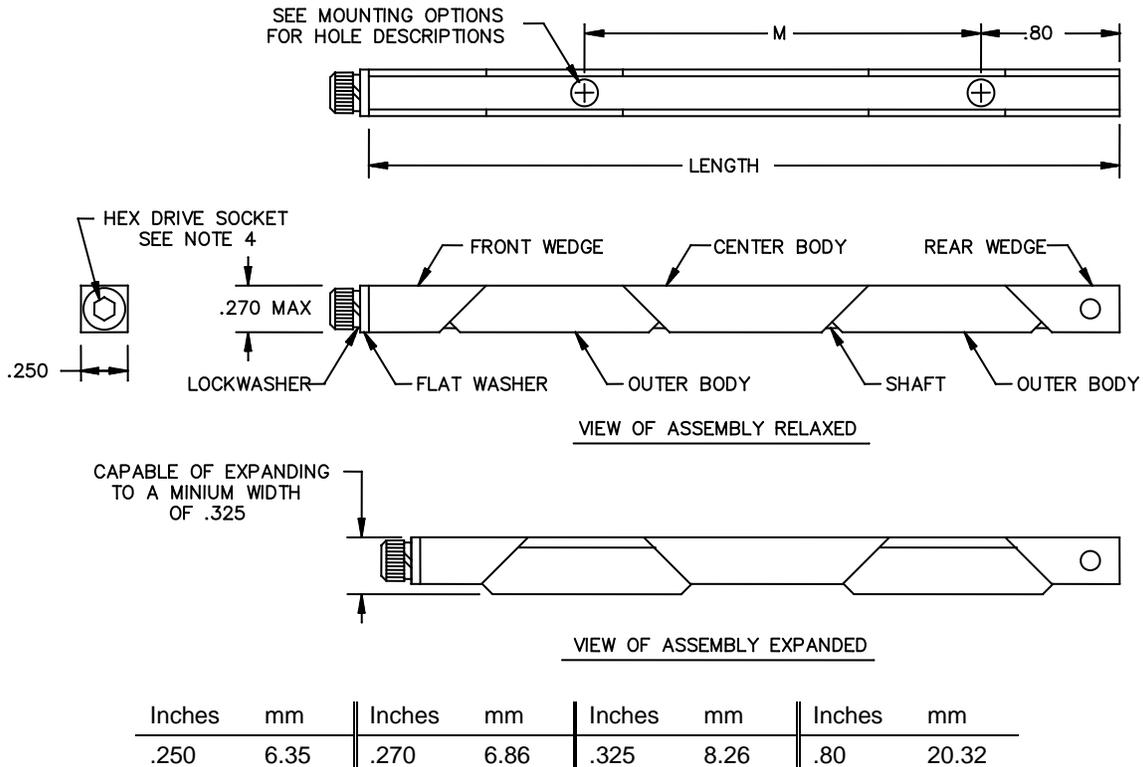
Configuration. The configuration of a card holder shall be as specified in [table I](#). The details of a particular configuration consist of those on [figure 1](#), and may include those on [figures 2](#) and [3](#).



Finish. The finish designator shall be as specified in A-A-59789. The finishes available for this CID specification sheet are as follows: "B" (black anodize), "C" (gold chemical film), "E" (electroless nickel), "H" (hard black anodize) or "R" (clear chemical film).

TABLE I. Configurations.

Configuration	Applicable figures	Hardware options
C	1	No added options
L	1 and 2	Screw self-locking element
E	1 and 3	Additional mounting hole
D	1, 2, and 3	Screw self-locking element and additional mounting hole



NOTES:

1. Dimensions are in inches. Millimeter equivalents 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. Tolerance for the hole spacing is ± 0.005 inch (0.13 mm).
4. The across flats dimension for hex drive socket shall be .094 inch (2.38 mm).

FIGURE 1. Relaxed and expanded dimensions.

Length, expanded, and relaxed dimensions. The length designator shall be as specified in [A-A-59789](#) and the lengths available for this CID specification sheet are listed in table II. The length, expanded, and relaxed dimensions shall be as specified on [figure 1](#).

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

PIN length designator	Dimension "length" ±.02 (0.5)	Dimension "M" ±.005 (0.13)	Dimension "M/2" ±.005 (0.13)
30	2.80 (71.1)	.90 (22.9)	.45 (11.4)
40	3.80 (96.5)	1.90 (48.3)	.95 (24.1)
50	4.80 (121.9)	2.90 (73.7)	1.45 (36.8)

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

Mounting. The mounting designators shall be as specified in [A-A-59789](#). The mounting options available for this CID specification sheet are as follows: "M" (tapped metric M2.5 x 0.45 holes), "R" (rivet mount holes with counterbore and countersink), "S" (tapped 2-56 holes), "T" (tapped 0-80 holes), or "U" (tapped metric M2 x 0.4 holes). See [figure 1](#) for mounting hole spacing requirements.

Rivet mounting holes. The holes used for rivet mounting shall be .068/.073 inch (1.73/1.85 mm) diameter, countersunk 100 degrees by .060 inch (1.52 mm) deep.

Rivets. This card holder uses rivet type A as specified in [A-A-59789](#) when rivet mounting is used.

Configuration hardware options. Card holders can have the following options. See [table I](#) for the correct PIN configuration identifier.

Screw self-locking element (see [figure 2](#)). The use of a screw self-locking element will provide prevailing torque for resistance to loosening of the card holder assembly from shock vibration. The screw self-locking element shall be as specified in [A-A-59789](#). Card holders requiring a screw self-locking element shall include configuration identifier "L" in the PIN (see [classification](#) and [notes](#)).

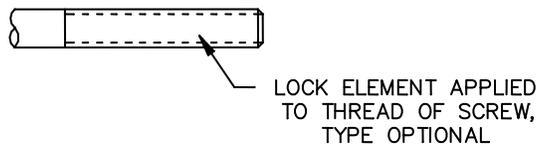


FIGURE 2. Screw self-locking element details.

Additional mounting hole (see [figure 3](#)). Card holders requiring an additional mounting hole shall include configuration identifier "E" in the PIN (see [classification](#) and [notes](#)).

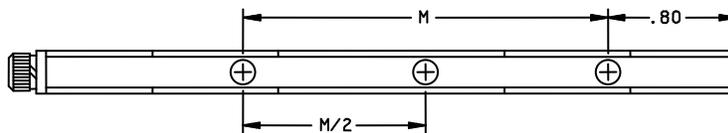


FIGURE 3. Additional mounting hole details.

Screw self-locking element and additional mounting hole. Card holders requiring a screw self-locking element and an additional mounting hole shall include configuration identifier "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-59789](#) – Holder, Electrical Card, Wedge Retainers, 5 Piece, For Cold Plate Applications, General Requirements For.

(Copies of these documents are available online at <http://quicksearch.dla.mil>.)

Ordering data. Ordering data shall be as specified in [A-A-59789](#).

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>	
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	
76096	Elma Electronic, Inc. 44350 Grimmer Blvd. Fremont, CA 94538-6385	Telephone: (510) 656-3400 Facsimile: (510) 656-3783 Electronic mail: sales@elma.com URL: www.elma.com	
61081	Schroff – A Division of Pentair Equipment and Electronic Protection (formerly Calmark) 7328 Trade Street San Diego, CA 92121-3410	Telephone: (858) 740-2400 Toll Free: (800) 854-7086 Facsimile: (858) 740-2430 E-mail: schroff.us@pentair.com URL: http://www.pentairprotect.com	
3E7U8	Wakefield-Vette 2910 Industrial Drive Raleigh, NC 27609-7529	Telephone: (919) 469-2004 Facsimile: (919) 469-2827 E-mail: wedgelocks@wakefield.com URL: www.wakefield-vette.com	

Part number supersession data. This CID specification sheet PINs supersedes the following manufacturer's part numbers as shown in [table III](#) and on DESC Drawing 89024 ([table IV](#)) as shown. The CID PINs listed in [table III](#) are only for length designator "50". See [table V](#) for CID PIN construction using other available lengths for this CID 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 AA59590/19	Vendor similar designator or type part number 1/			
	CAGE 61081	CAGE 5BG68	CAGE 3E7UB	CAGE 76096
CB50M	A260-4.80TM2.5	5260BA-4.80TM2.5	426C-480MSB	325-04.80TNBA2TM2.5NN
CB50R	A260-4.80H	5260BA-4.80H	426C-480RSB	325-04.80TNBA2H00.0NN
CB50S	A260-4.80T2	5260BA-4.80T2	426C-480SSB	325-04.80TNBA2T20.0NN
CB50T	A260-4.80T0	5260BA-4.80T0	426C-480TSB	325-04.80TNBA2T00.0NN
CB50U	A260-4.80TM2	5260BA-4.80TM2	426C-480USB	325-04.80TNBA2TM2.0NN
LB50M	A260-4.80TM2.5L	5260BA-4.80TM2.5L	426C-480MSB-P	325-04.80TNBA2TM2.5LN
LB50R	A260-4.80HL	5260BA-4.80HL	426C-480RSB-P	325-04.80TNBA2H00.0LN
LB50S	A260-4.80T2L	5260BA-4.80T2L	426C-480SSB-P	325-04.80TNBA2T20.0LN
LB50T	A260-4.80T0L	5260BA-4.80T0L	426C-480TSB-P	325-04.80TNBA2T00.0LN
LB50U	A260-4.80TM2L	5260BA-4.80TM2L	426C-480USB-P	325-04.80TNBA2TM2.0LN
EB50M	A260-4.80ETM2.5	5260BA-4.80ETM2.5	426C-480MSB-C	325-04.80TNBA3TM2.5NN
EB50R	A260-4.80EH	5260BA-4.80EH	426C-480RSB-C	325-04.80TNBA3H00.0NN
EB50S	A260-4.80ET2	5260BA-4.80ET2	426C-480SSB-C	325-04.80TNBA3T20.0NN
EB50T	A260-4.80ET0	5260BA-4.80ET0	426C-480TSB-C	325-04.80TNBA3T00.0NN
EB50U	A260-4.80ETM2	5260BA-4.80ETM2	426C-480USB-C	325-04.80TNBA3TM2.0LN
DB50M	A260-4.80ETM2.5L	5260BA-4.80ETM2.5L	426C-480MSB-CP	325-04.80TNBA3TM2.5LN
DB50R	A260-4.80EHL	5260BA-4.80EHL	426C-480RSB-CP	325-04.80TNBA3H00.0NN
DB50S	A260-4.80ET2L	5260BA-4.80ET2L	426C-480SSB-CP	325-04.80TNBA3T20.0NN
DB50T	A260-4.80ET0L	5260BA-4.80ET0L	426C-480TSB-CP	325-04.80TNBA3T00.0NN
DB50U	A260-4.80ETM2L	5260BA-4.80ETM2L	426C-480USB-CP	325-04.80TNBA3TM2.0LN
CC50M	260-4.80TM2.5	5260CG-4.80TM2.5	426C-480MSG	325-04.80TNCG2TM2.5NN
CC50R	260-4.80H	5260CG-4.80H	426C-480RSG	325-04.80TNCG2H00.0NN
CC50S	260-4.80T2	5260CG-4.80T2	426C-480SSG	325-04.80TNCG2T20.0NN
CC50T	260-4.80T0	5260CG-4.80T0	426C-480TSG	325-04.80TNCG2T00.0NN
CC50U	260-4.80TM2	5260CG-4.80TM2	426C-480USG	325-04.80TNCG2TM2.0NN
LC50M	260-4.80TM2.5L	5260CG-4.80TM2.5L	426C-480MSG-P	325-04.80TNCG2TM2.5LN
LC50R	260-4.80HL	5260CG-4.80HL	426C-480RSG-P	325-04.80TNCG2H00.0LN
LC50S	260-4.80T2L	5260CG-4.80T2L	426C-480SSG-P	325-04.80TNCG2T20.0LN
LC50T	260-4.80T0L	5260CG-4.80T0L	426C-480TSG-P	325-04.80TNCG2T00.0LN
LC50U	260-4.80TM2L	5260CG-4.80TM2L	426C-480USG-P	325-04.80TNCG2TM2.0LN

See footnote at end of table.

TABLE III. Commercial part number supersession data – Continued.

PIN designator AA59590/19	Vendor similar designator or type part number 1/			
	CAGE 61081	CAGE 5BG68	CAGE 3E7UB	CAGE 76096
EC50M	260-4.80ETM2.5	5260CG-4.80ETM2.5	426C-480MSG-C	325-04.80TNCG3TM2.5NN
EC50R	260-4.80EH	5260CG-4.80EH	426C-480RSG-C	325-04.80TNCG3H00.0NN
EC50S	260-4.80ET2	5260CG-4.80ET2	426C-480SSG-C	325-04.80TNCG3T20.0NN
EC50T	260-4.80ET0	5260CG-4.80ET0	426C-480TSG-C	325-04.80TNCG3T00.0NN
EC50U	260-4.80ETM2	5260CG-4.80ETM2	426C-480USG-C	325-04.80TNCG3TM2.0LN
DC50M	260-4.80ETM2.5L	5260CG-4.80ETM2.5L	426C-480MSG-CP	325-04.80TNCG3TM2.5LN
DC50R	260-4.80EHL	5260CG-4.80EHL	426C-480RSG-CP	325-04.80TNCG3H00.0NN
DC50S	260-4.80ET2L	5260CG-4.80ET2L	426C-480SSG-CP	325-04.80TNCG3T20.0NN
DC50T	260-4.80ET0L	5260CG-4.80ET0L	426C-480TSG-CP	325-04.80TNCG3T00.0NN
DC50U	260-4.80ETM2L	5260CG-4.80ETM2L	426C-480USG-CP	325-04.80TNCG3TM2.0LN
CE50M	EN260-4.80TM2.5	5260EN-4.80TM2.5	426C-480MSE	325-04.80TNEN2TM2.5NN
CE50R	EN260-4.80H	5260EN-4.80H	426C-480RSE	325-04.80TNEN2H00.0NN
CE50S	EN260-4.80T2	5260EN-4.80T2	426C-480SSE	325-04.80TNEN2T20.0NN
CE50T	EN260-4.80T0	5260EN-4.80T0	426C-480TSE	325-04.80TNEN2T00.0NN
CE50U	EN260-4.80TM2	5260EN-4.80TM2	426C-480USE	325-04.80TNEN2TM2.0NN
LE50M	EN260-4.80TM2.5L	5260EN-4.80TM2.5L	426C-480MSE-P	325-04.80TNEN2TM2.5LN
LE50R	EN260-4.80HL	5260EN-4.80HL	426C-480RSE-P	325-04.80TNEN2H00.0LN
LE50S	EN260-4.80T2L	5260EN-4.80T2L	426C-480SSE-P	325-04.80TNEN2T20.0LN
LE50T	EN260-4.80T0L	5260EN-4.80T0L	426C-480TSE-P	325-04.80TNEN2T00.0LN
LE50U	EN260-4.80TM2L	5260EN-4.80TM2L	426C-480USE-P	325-04.80TNEN2TM2.0LN
EE50M	EN260-4.80ETM2.5	5260EN-4.80ETM2.5	426C-480MSE-C	325-04.80TNEN3TM2.5NN
EE50R	EN260-4.80EH	5260EN-4.80EH	426C-480RSE-C	325-04.80TNEN3H00.0NN
EE50S	EN260-4.80ET2	5260EN-4.80ET2	426C-480SSE-C	325-04.80TNEN3T20.0NN
EE50T	EN260-4.80ET0	5260EN-4.80ET0	426C-480TSE-C	325-04.80TNEN3T00.0NN
EE50U	EN260-4.80ETM2	5260EN-4.80ETM2	426C-480USE-C	325-04.80TNEN3TM2.0LN
DE50M	EN260-4.80ETM2.5L	5260EN-4.80ETM2.5L	426C-480MSE-CP	325-04.80TNEN3TM2.5LN
DE50R	EN260-4.80EHL	5260EN-4.80EHL	426C-480RSE-CP	325-04.80TNEN3H00.0NN
DE50S	EN260-4.80ET2L	5260EN-4.80ET2L	426C-480SSE-CP	325-04.80TNEN3T20.0NN
DE50T	EN260-4.80ET0L	5260EN-4.80ET0L	426C-480TSE-CP	325-04.80TNEN3T00.0NN
DE50U	EN260-4.80ETM2L	5260EN-4.80ETM2L	426C-480USE-CP	325-04.80TNEN3TM2.0LN

See footnote at end of table.

TABLE III. Commercial part number supersession data – Continued.

PIN designator AA59590/19	Vendor similar designator or type part number 1/			
	CAGE 61081	CAGE 5BG68	CAGE 3E7UB	CAGE 76096
CH50M	HA260-4.80TM2.5	5260BH-4.80TM2.5	426C-480MSH	325-04.80TNHA2TM2.5NN
CH50R	HA260-4.80H	5260BH-4.80H	426C-480RSH	325-04.80TNHA2H00.0NN
CH50S	HA260-4.80T2	5260BH-4.80T2	426C-480SSH	325-04.80TNHA2T20.0NN
CH50T	HA260-4.80T0	5260BH-4.80T0	426C-480TSH	325-04.80TNHA2T00.0NN
CH50U	HA260-4.80TM2	5260BH-4.80TM2	426C-480USH	325-04.80TNHA2TM2.0NN
LH50M	HA260-4.80TM2.5L	5260BH-4.80TM2.5L	426C-480MSH-P	325-04.80TNHA2TM2.5LN
LH50R	HA260-4.80HL	5260BH-4.80HL	426C-480RSH-P	325-04.80TNHA2H00.0LN
LH50S	HA260-4.80T2L	5260BH-4.80T2L	426C-480SSH-P	325-04.80TNHA2T20.0LN
LH50T	HA260-4.80T0L	5260BH-4.80T0L	426C-480TSH-P	325-04.80TNHA2T00.0LN
LH50U	HA260-4.80TM2L	5260BH-4.80TM2L	426C-480USH-P	325-04.80TNHA2TM2.0LN
EH50M	HA260-4.80ETM2.5	5260BH-4.80ETM2.5	426C-480MSH-C	325-04.80TNHA3TM2.5NN
EH50R	HA260-4.80EH	5260BH-4.80EH	426C-480RSH-C	325-04.80TNHA3H00.0NN
EH50S	HA260-4.80ET2	5260BH-4.80ET2	426C-480SSH-C	325-04.80TNHA3T20.0NN
EH50T	HA260-4.80ET0	5260BH-4.80ET0	426C-480TSH-C	325-04.80TNHA3T00.0NN
EH50U	HA260-4.80ETM2	5260BH-4.80ETM2	426C-480USH-C	325-04.80TNHA3TM2.0LN
DH50M	HA260-4.80ETM2.5L	5260BH-4.80ETM2.5L	426C-480MSH-CP	325-04.80TNHA3TM2.5LN
DH50R	HA260-4.80EHL	5260BH-4.80EHL	426C-480RSH-CP	325-04.80TNHA3H00.0NN
DH50S	HA260-4.80ET2L	5260BH-4.80ET2L	426C-480SSH-CP	325-04.80TNHA3T20.0NN
DH50T	HA260-4.80ET0L	5260BH-4.80ET0L	426C-480TSH-CP	325-04.80TNHA3T00.0NN
DH50U	HA260-4.80ETM2L	5260BH-4.80ETM2L	426C-480USH-CP	325-04.80TNHA3TM2.0LN
CR50M	R260-4.80TM2.5	5260CC-4.80TM2.5	426C-480MST	325-04.80TNCR2TM2.5NN
CR50R	R260-4.80H	5260CC-4.80H	426C-480RST	325-04.80TNCR2H00.0NN
CR50S	R260-4.80T2	5260CC-4.80T2	426C-480SST	325-04.80TNCR2T20.0NN
CR50T	R260-4.80T0	5260CC-4.80T0	426C-480TST	325-04.80TNCR2T00.0NN
CR50U	R260-4.80TM2	5260CC-4.80TM2	426C-480UST	325-04.80TNCR2TM2.0NN
LR50M	R260-4.80TM2.5L	5260CC-4.80TM2.5L	426C-480MST-P	325-04.80TNCR2TM2.5LN
LR50R	R260-4.80HL	5260CC-4.80HL	426C-480RST-P	325-04.80TNCR2H00.0LN
LR50S	R260-4.80T2L	5260CC-4.80T2L	426C-480SST-P	325-04.80TNCR2T20.0LN
LR50T	R260-4.80T0L	5260CC-4.80T0L	426C-480TST-P	325-04.80TNCR2T00.0LN
LR50U	R260-4.80TM2L	5260CC-4.80TM2L	426C-480UST-P	325-04.80TNCR2TM2.0LN

See footnote at end of table.

TABLE III. Commercial part number supersession data – Continued.

PIN designator AA59590/19	Vendor similar designator or type part number ^{1/}			
	CAGE 61081	CAGE 5BG68	CAGE 3E7UB	CAGE 76096
ER50M	R260-4.80ETM2.5	5260CC-4.80ETM2.5	426C-480MST-C	325-04.80TNCR3TM2.5NN
ER50R	R260-4.80EH	5260CC-4.80EH	426C-480RST-C	325-04.80TNCR3H00.0NN
ER50S	R260-4.80ET2	5260CC-4.80ET2	426C-480SST-C	325-04.80TNCR3T20.0NN
ER50T	R260-4.80ET0	5260CC-4.80ET0	426C-480TST-C	325-04.80TNCR3T00.0NN
ER50U	R260-4.80ETM2	5260CC-4.80ETM2	426C-480UST-C	325-04.80TNCR3TM2.0LN
DR50M	R260-4.80ETM2.5L	5260CC-4.80ETM2.5L	426C-480MST-CP	325-04.80TNCR3TM2.5LN
DR50R	R260-4.80EHL	5260CC-4.80EHL	426C-480RST-CP	325-04.80TNCR3H00.0NN
DR50S	R260-4.80ET2L	5260CC-4.80ET2L	426C-480SST-CP	325-04.80TNCR3T20.0NN
DR50T	R260-4.80ET0L	5260CC-4.80ET0L	426C-480TST-CP	325-04.80TNCR3T00.0NN
DR50U	R260-4.80ETM2L	5260CC-4.80ETM2L	426C-480UST-CP	325-04.80TNCR3TM2.0LN

^{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-59789](#).

TABLE IV. DESC Drawing PIN supersession information.

Superseded (old) PIN in accordance with DESC Drawing 89024	Superseding (new) CID PIN	Superseded (old) PIN in accordance with DESC Drawing 89024	Superseding (new) CID PIN
89024-01BH	AA59789/19CB30R	89024-01CH	AA59789/19CC30R
89024-04BH	AA59789/19CB40R	89024-04CH	AA59789/19CC40R
89024-07BH	AA59789/19CB50R	89024-07CH	AA59789/19CC50R
89024-01BS	AA59789/19CB30T	89024-01CS	AA59789/19CC30T
89024-04BS	AA59789/19CB40T	89024-04CS	AA59789/19CC40T
89024-07BS	AA59789/19CB50T	89024-07CS	AA59789/19CC50T
89024-01BT	AA59789/19CB30S	89024-01CT	AA59789/19CC30S
89024-04BT	AA59789/19CB40S	89024-04CT	AA59789/19CC40S
89024-07BT	AA59789/19CB50S	89024-07CT	AA59789/19CC50S

PIN length examples. The CID PINs listed in table V are for all available standard card holder lengths for this specification sheet. However, only one specific finish, mounting and configuration are listed (see PIN example for a break-down of the codes).

TABLE V. Example of PIN with available length designators.

PIN designator AA59789/19	Vendor similar designator or type part number <u>1/</u> <u>2/</u>			
	CAGE 61081	CAGE 5BG68	CAGE 3E7UB	CAGE 76096
DH30S	HA260-2.80ET2L	5260BH-2.80ET2L	426C-280SSH-CP	325-02.80TNHA3T20.0LN
DH40S	HA260-3.80ET2L	5260BH-3.80ET2L	426C-380SSH-CP	325-03.80TNHA3T20.0LN
DH50S	HA260-4.80ET2L	5260BH-4.80ET2L	426C-480SSH-CP	325-04.80TNHA3T20.0LN

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-59789](#).

2/ Other lengths are available on request.

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 5998-2015-007

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>.