

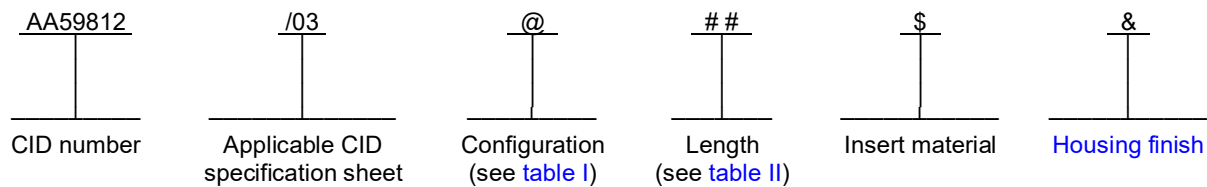
COMMERCIAL ITEM DESCRIPTION
SPECIFICATION SHEET

HOLDER, ELECTRICAL CARD, METAL CARD GUIDE, MULTIPLE PIECE,
WITH HEAT TRANSFER HOUSING, FLANGE MOUNTING WITH TWO, THREE, OR FOUR
MOUNTING HOLES FOR CHASSIS OR COLD PLATE MOUNTING APPLICATIONS

The General Services Administration has authorized the use of this
commercial item description (CID) for all federal agencies.

The complete requirements for procuring electrical card guides described herein shall consist of this document and
the latest issue in effect of [A-A-59812](#).

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: AA59812/03L95PG is the PIN for a left-hand facing beryllium copper, 9.5 inches (241 mm) long, three
mounting hole card guide. The assembly uses a phosphor bronze insert and the housing has a gold anodize finish.

SALIENT CHARACTERISTICS.

Interface and physical dimensions. The card guides supplied to this CID specification sheet shall be as specified
herein (see [figures 1, 2, 3, and 4](#)) and meet the general requirements specified in CID [A-A-59812](#).

Configuration. The configuration of card guides shall be as identified in [table I](#) and as depicted on [figures 1 or 2](#).
Card guides of configuration "L" and "R" can be secured with rivets or fasteners using the holes incorporated into the
housing flange as depicted on [figure 1](#). Card guides of configuration "S" and "T" are secured with fasteners into the
swage nuts that are incorporated into the housing flange as depicted on [figure 2](#). [Figure 3](#) shows the orientation of
the card guide facings. The configuration designator "L", "R", "S", or "T" shall be included in the PIN.

Housing length. The housing length is shown on [figures 1 and 2](#) as dimension "L". The housing length dimensions
available for this CID specification sheet and associated housing length designators are listed in [table II](#). The
applicable housing length designator shall be included in the PIN.

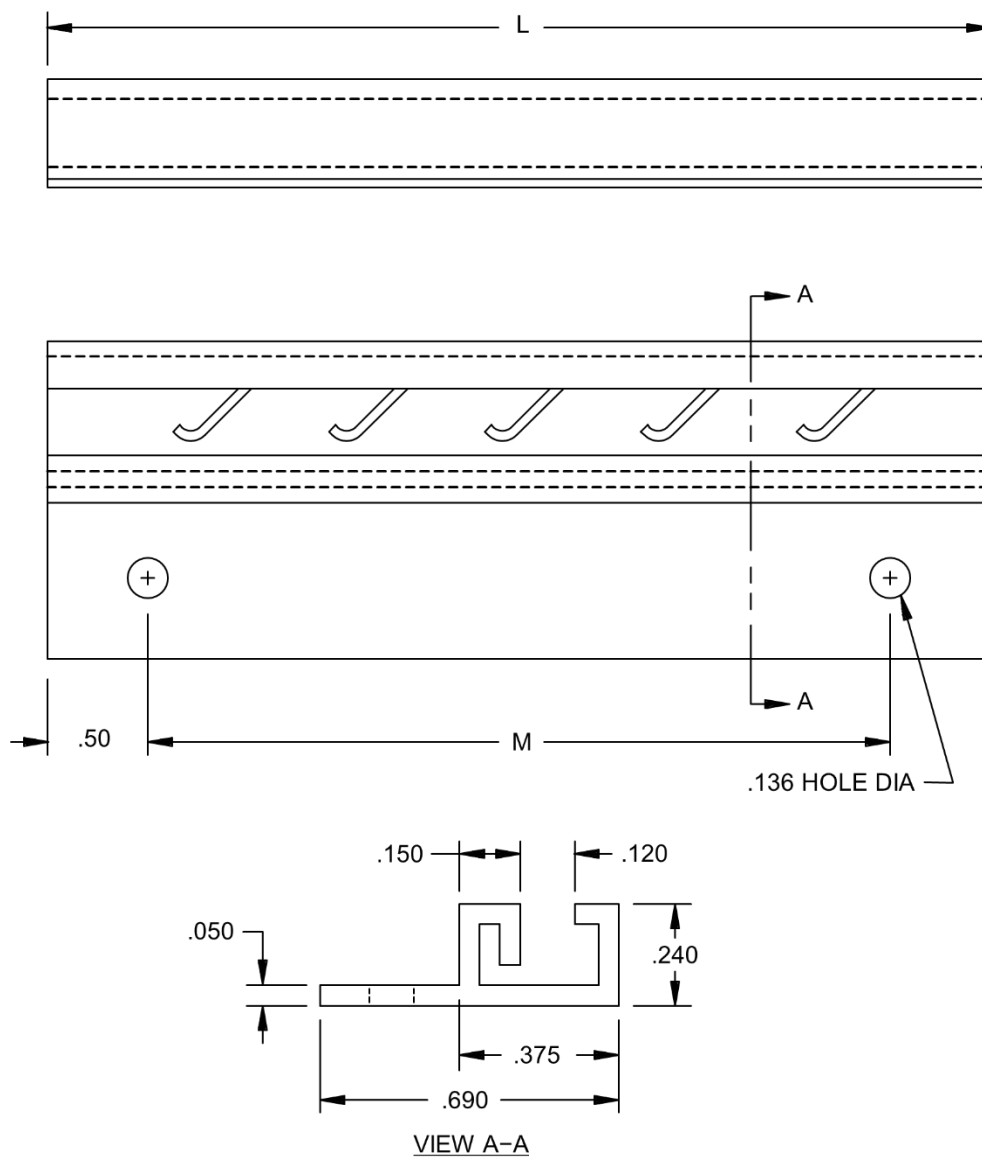
Insert material type. Insert material types shall be defined in [A-A-59812](#). The applicable material type designators
for this CID specification sheet are "B" (beryllium copper), "C" (stainless steel), or "P" (phosphor bronze).

Insert material thickness. The beryllium copper, phosphor bronze, or stainless steel thickness shall be .009 ±.002
inch (0.23 ±0.05 mm).

Housing material. The housing shall be aluminum alloy 6061 temper T6 in accordance with [A-A-59812](#).



A-A-59812/3C



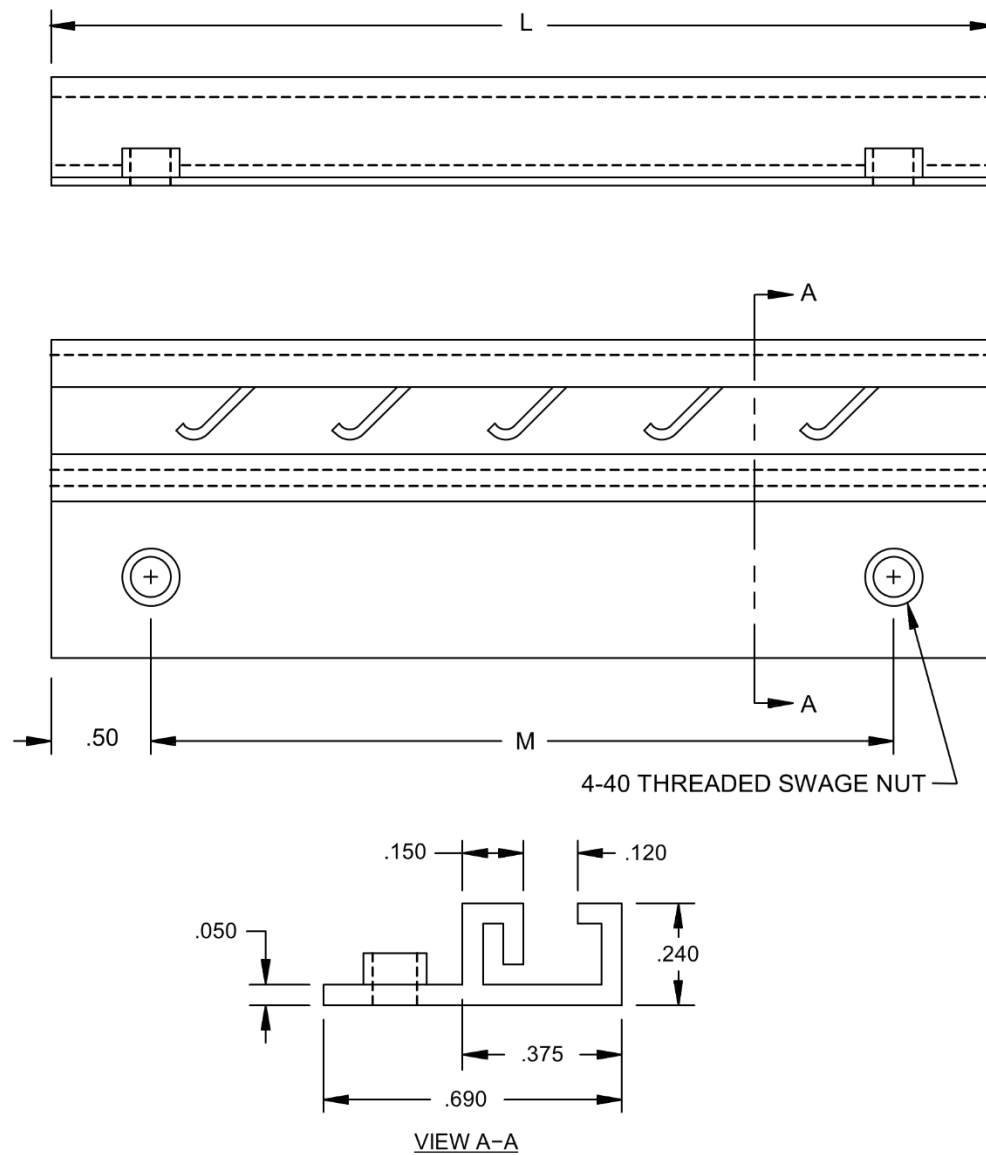
Inches	mm	Inches	mm	Inches	mm	Inches	mm
.050	1.27	.136	3.45	.240	6.1	.50	12.7
.120	3.05	.150	3.81	.375	9.53	.690	17.53

NOTES:

1. Dimensions are in inches. Millimeters are given for general information only.
2. Unless otherwise specified, tolerances are ± 0.01 inch (0.25 mm) for two place decimals and ± 0.005 (0.13 mm) for three place decimals.

FIGURE 1. Card guide design and dimensions for through hole mounting (configuration L shown).

A-A-59812/3C



Inches	mm	Inches	mm	Inches	mm	Inches	mm
.050	1.27	.150	3.81	.375	9.53	.690	17.53
.120	3.05	.240	6.10	.50	12.7		

NOTES:

1. Dimensions are in inches. Millimeters are given for general information only.
2. Unless otherwise specified, tolerances are ± 0.01 inch (0.25 mm) for two place decimals and ± 0.005 (0.13 mm) for three place decimals.

FIGURE 2. Card guide design and dimensions for swage nut mounting (configuration S shown).

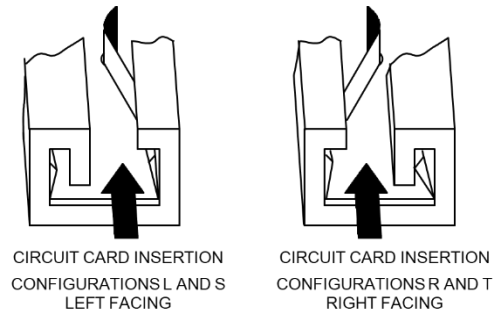
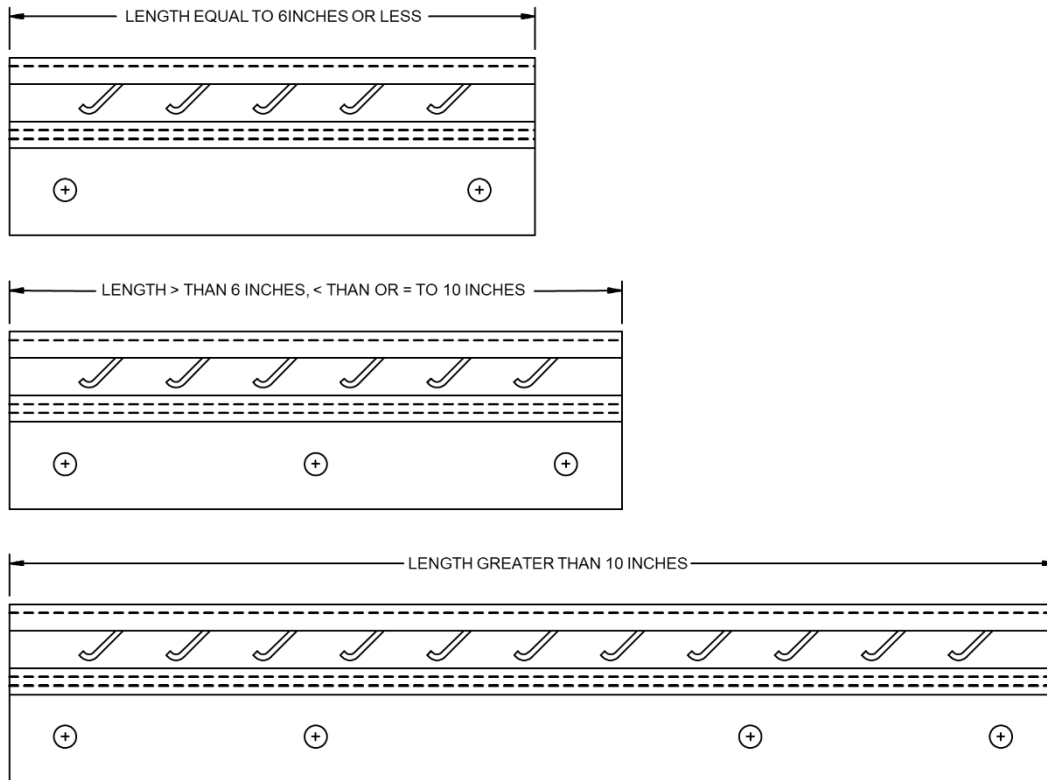


FIGURE 3. Configurations and facings.



Inches	mm	Inches	mm
6	152	10	254

NOTES:

1. Dimensions are in inches. Millimeters are given for general information only.
2. Unless otherwise specified, tolerances are ± 0.01 inch (0.25 mm) for two place decimals and ± 0.005 (0.13 mm) for three place decimals.

FIGURE 4. Card guide mounting details with regards to housing length (configuration L shown).

Housing finish. The housing finish types shall be defined in [A-A-59812](#). Applicable finish materials designator "B" (black anodize), "C" (clear anodize), "G" (gold anodize), "F" (clear chemical film), "Y" (gold chemical film), or "N" (no finish) are available.

Mounting hole spacing. Mounting hole spacing is shown on [figures 1 and 2](#) as dimension "M". Dimension "M" is listed in [table II](#) herein.

Circuit card assembly printed board thickness. The card guide are able to accommodate printed board thickness from .040 inch (1.02 mm) to .095 inch (2.41 mm).

TABLE I. Configurations.

CID PIN designator for configuration	Facing	Mounting style
L	Left	Hole
R	Right	Hole
S	Left	Swage nut
T	Right	Swage nut

TABLE II. Length and hole spacing. 1/ 2/

CID PIN designator for length	Dimension "L" $\pm.020$ (0.51)	Dimension "M" $\pm.020$ (0.51) 3/	Number of mounting holes 4/
20	2.0 (51)	1.0 (25)	2
25	2.5 (64)	1.5 (38)	2
30	3.0 (76)	2.0 (51)	2
35	3.5 (89)	2.5 (64)	2
40	4.0 (102)	3.0 (76)	2
45	4.5 (114)	3.5 (89)	2
50	5.0 (127)	4.0 (102)	2
55	5.5 (140)	4.5 (114)	2
60	6.0 (152)	5.0 (127)	2
65	6.5 (165)	5.5 (140)	3
70	7.0 (178)	6.0 (152)	3
75	7.5 (191)	6.5 (165)	3
80	8.0 (203)	7.0 (178)	3
85	8.5 (216)	7.5 (191)	3
90	9.0 (229)	8.0 (203)	3
95	9.5 (241)	8.5 (216)	3
A0	10.0 (254)	9.0 (229)	4
A5	10.5 (267)	9.5 (241)	4

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

2/ Unless otherwise specified, tolerances are $\pm.02$ inch (0.5 mm) for two place decimals and $\pm.010$ inch (0.25 mm) for three place decimals.

3/ See [figures 1 and 2](#).

4/ See [figure 4](#).

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-59812 – Holder, Electrical Card, Metal Card Guide, Multiple Piece, General Requirements for

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

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.)

Manufacturer CAGE	Manufacturer name and address	Manufacturer contact information
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07556	Unitrack Industries, Inc. 967 E. Masten Circle Milford, DE 19963-1085	Telephone: (302) 424-5050 Electronic mail: unitrack@unitrack.com URL: http://www.unitrack.com
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Part number supersession data. This CID specification sheet supersedes the following manufacturer's part numbers as shown. The information in table III is being provided to assist in reducing proliferation in the Government inventory system.

TABLE III. Commercial part number supersession data.

CID PIN; AA59812/03@##\$& 1/				Manufacturers 2/ CAGE 07556
Configuration "@"	Housing length "##"	Insert material "\$"	Housing finish "&"	
L	20	B C P	3/	KGBC690-2.0LH* KGSS690-2.0LH* KGPB690-2.0LH*
R	20	B C P	3/	KGBC690-2.0RH* KGSS690-2.0RH* KGPB690-2.0RH*
S	20	B C P	3/	KGBC690-2.0LN* KGSS690-2.0LN* KGPB690-2.0LN*
T	20	B C P	3/	KGBC690-2.0RN* KGSS690-2.0RN* KGPB690-2.0RN*

See footnotes at end of table.

TABLE III. Commercial part number supersession data – Continued.

CID PIN; AA59812/03@##\$& 1/				Manufacturers 2/
Configuration "@"	Housing length "##"	Insert material "\$"	Housing finish "&"	CAGE 07556
L	25	B C P	<u>3/</u>	KGBC690-2.5LH* KGSS690-2.5LH* KGPB690-2.5LH*
R	25	B C P	<u>3/</u>	KGBC690-2.5RH* KGSS690-2.5RH* KGPB690-2.5RH*
S	25	B C P	<u>3/</u>	KGBC690-2.5LN* KGSS690-2.5LN* KGPB690-2.5LN*
T	25	B C P	<u>3/</u>	KGBC690-2.5RN* KGSS690-2.5RN* KGPB690-2.5RN*
L	30	B C P	<u>3/</u>	KGBC690-3.0LH* KGSS690-3.0LH* KGPB690-3.0LH*
R	30	B C P	3/	KGBC690-3.0RH* KGSS690-3.0RH* KGPB690-3.0RH*
S	30	B C P	<u>3/</u>	KGBC690-3.0LN* KGSS690-3.0LN* KGPB690-3.0LN*
T	30	B C P	<u>3/</u>	KGBC690-3.0RN* KGSS690-3.0RN* KGPB690-3.0RN*
L	35	B C P	<u>3/</u>	KGBC690-3.5LH* KGSS690-3.5LH* KGPB690-3.5LH*
R	35	B C P	<u>3/</u>	KGBC690-3.5RH* KGSS690-3.5RH* KGPB690-3.5RH*
S	35	B C P	<u>3/</u>	KGBC690-3.5LN* KGSS690-3.5LN* KGPB690-3.5LN*
T	35	B C P	<u>3/</u>	KGBC690-3.5RN* KGSS690-3.5RN* KGPB690-3.5RN*

See footnotes at end of table.

TABLE III. Commercial part number supersession data – Continued.

CID PIN; AA59812/03@##\$& 1/				Manufacturers 2/
Configuration "@"	Housing length "##"	Insert material "\$"	Housing finish "&"	CAGE 07556
L	40	B C P	<u>3/</u>	KGBC690-4.0LH* KGSS690-4.0LH* KGPB690-4.0LH*
R	40	B C P	<u>3/</u>	KGBC690-4.0RH* KGSS690-4.0RH* KGPB690-4.0RH*
S	40	B C P	<u>3/</u>	KGBC690-4.0LN* KGSS690-4.0LN* KGPB690-4.0LN*
T	40	B C P	<u>3/</u>	KGBC690-4.0RN* KGSS690-4.0RN* KGPB690-4.0RN*
L	45	B C P	<u>3/</u>	KGBC690-4.5LH* KGSS690-4.5LH* KGPB690-4.5LH*
R	45	B C P	<u>3/</u>	KGBC690-4.5RH* KGSS690-4.5RH* KGPB690-4.5RH*
S	45	B C P	<u>3/</u>	KGBC690-4.5LN* KGSS690-4.5LN* KGPB690-4.5LN*
T	45	B C P	<u>3/</u>	KGBC690-4.5RN* KGSS690-4.5RN* KGPB690-4.5RN*
L	50	B C P	<u>3/</u>	KGBC690-5.0LH* KGSS690-5.0LH* KGPB690-5.0LH*
R	50	B C P	<u>3/</u>	KGBC690-5.0RH* KGSS690-5.0RH* KGPB690-5.0RH*
S	50	B C P	<u>3/</u>	KGBC690-5.0LN* KGSS690-5.0LN* KGPB690-5.0LN*
T	50	B C P	<u>3/</u>	KGBC690-5.0RN* KGSS690-5.0RN* KGPB690-5.0RN*

See footnotes at end of table.

TABLE III. Commercial part number supersession data – Continued.

CID PIN; AA59812/03@##\$& 1/				Manufacturers 2/
Configuration "@"	Housing length "##"	Insert material "\$"	Housing finish "&"	CAGE 07556
L	55	B C P	<u>3/</u>	KGBC690-5.5LH* KGSS690-5.5LH* KGPB690-5.5LH*
R	55	B C P	<u>3/</u>	KGBC690-5.5RH* KGSS690-5.5RH* KGPB690-5.5RH*
S	55	B C P	<u>3/</u>	KGBC690-5.5LN* KGSS690-5.5LN* KGPB690-5.5LN*
T	55	B C P	<u>3/</u>	KGBC690-5.5RN* KGSS690-5.5RN* KGPB690-5.5RN*
L	60	B C P	<u>3/</u>	KGBC690-6.0LH* KGSS690-6.0LH* KGPB690-6.0LH*
R	60	B C P	<u>3/</u>	KGBC690-6.0RH* KGSS690-6.0RH* KGPB690-6.0RH*
S	60	B C P	<u>3/</u>	KGBC690-6.0LN* KGSS690-6.0LN* KGPB690-6.0LN*
T	60	B C P	<u>3/</u>	KGBC690-6.0RN* KGSS690-6.0RN* KGPB690-6.0RN*
L	65	B C P	<u>3/</u>	KGBC690-6.5LH* KGSS690-6.5LH* KGPB690-6.5LH*
R	65	B C P	<u>3/</u>	KGBC690-6.5RH* KGSS690-6.5RH* KGPB690-6.5RH*
S	65	B C P	<u>3/</u>	KGBC690-6.5LN* KGSS690-6.5LN* KGPB690-6.5LN*
T	65	B C P	<u>3/</u>	KGBC690-6.5RN* KGSS690-6.5RN* KGPB690-6.5RN*

See footnotes at end of table.

TABLE III. Commercial part number supersession data – Continued.

CID PIN; AA59812/03@##\$& 1/				Manufacturers 2/
Configuration "@"	Housing length "##"	Insert material "\$"	Housing finish "&"	CAGE 07556
L	70	B C P	<u>3/</u>	KGBC690-7.0LH* KGSS690-7.0LH* KGPB690-7.0LH*
R	70	B C P	<u>3/</u>	KGBC690-7.0RH* KGSS690-7.0RH* KGPB690-7.0RH*
S	70	B C P	<u>3/</u>	KGBC690-7.0LN* KGSS690-7.0LN* KGPB690-7.0LN*
T	70	B C P	<u>3/</u>	KGBC690-7.0RN* KGSS690-7.0RN* KGPB690-7.0RN*
L	75	B C P	<u>3/</u>	KGBC690-7.5LH* KGSS690-7.5LH* KGPB690-7.5LH*
R	75	B C P	<u>3/</u>	KGBC690-7.5RH* KGSS690-7.5RH* KGPB690-7.5RH*
S	75	B C P	<u>3/</u>	KGBC690-7.5LN* KGSS690-7.5LN* KGPB690-7.5LN*
T	75	B C P	<u>3/</u>	KGBC690-7.5RN* KGSS690-7.5RN* KGPB690-7.5RN*
L	80	B C P	<u>3/</u>	KGBC690-8.0LH* KGSS690-8.0LH* KGPB690-8.0LH*
R	80	B C P	<u>3/</u>	KGBC690-8.0RH* KGSS690-8.0RH* KGPB690-8.0RH*
S	80	B C P	<u>3/</u>	KGBC690-8.0LN* KGSS690-8.0LN* KGPB690-8.0LN*
T	80	B C P	<u>3/</u>	KGBC690-8.0RN* KGSS690-8.0RN* KGPB690-8.0RN*

See footnotes at end of table.

TABLE III. Commercial part number supersession data – Continued.

CID PIN; AA59812/03@##\$& 1/				Manufacturers 2/
Configuration "@"	Housing length "##"	Insert material "\$"	Housing finish "&"	CAGE 07556
L	85	B C P	3/	KGBC690-8.5LH* KGSS690-8.5LH* KGPB690-8.5LH*
R	85	B C P	3/	KGBC690-8.5RH* KGSS690-8.5RH* KGPB690-8.5RH*
S	85	B C P	3/	KGBC690-8.5LN* KGSS690-8.5LN* KGPB690-8.5LN*
T	85	B C P	3/	KGBC690-8.5RN* KGSS690-8.5RN* KGPB690-8.5RN*
L	90	B C P	3/	KGBC690-9.0LH* KGSS690-9.0LH* KGPB690-9.0LH*
R	90	B C P	3/	KGBC690-9.0RH* KGSS690-9.0RH* KGPB690-9.0RH*
S	90	B C P	3/	KGBC690-9.0LN* KGSS690-9.0LN* KGPB690-9.0LN*
T	90	B C P	3/	KGBC690-9.0RN* KGSS690-9.0RN* KGPB690-9.0RN*
L	95	B C P	3/	KGBC690-9.5LH* KGSS690-9.5LH* KGPB690-9.5LH*
R	95	B C P	3/	KGBC690-9.5RH* KGSS690-9.5RH* KGPB690-9.5RH*
S	95	B C P	3/	KGBC690-9.5LN* KGSS690-9.5LN* KGPB690-9.5LN*
T	95	B C P	3/	KGBC690-9.5RN* KGSS690-9.5RN* KGPB690-9.5RN*

See footnotes at end of table.

TABLE III. Commercial part number supersession data – Continued.

CID PIN; AA59812/03@##\$& 1/				Manufacturers 2/ CAGE 07556
Configuration "@"	Housing length "##"	Insert material "\$"	Housing finish "&"	
L	A0	B C P	3/	KGBC690-10.0LH* KGSS690-10.0LH* KGPB690-10.0LH*
R	A0	B C P	3/	KGBC690-10.0RH* KGSS690-10.0RH* KGPB690-10.0RH*
S	A0	B C P	3/	KGBC690-10.0LN* KGSS690-10.0LN* KGPB690-10.0LN*
T	A0	B C P	3/	KGBC690-10.0RN* KGSS690-10.0RN* KGPB690-10.0RN*
L	A5	B C P	3/	KGBC690-10.5LH* KGSS690-10.5LH* KGPB690-10.5LH*
R	A5	B C P	3/	KGBC690-10.5RH* KGSS690-10.5RH* KGPB690-10.5RH*
S	A5	B C P	3/	KGBC690-10.5LN* KGSS690-10.5LN* KGPB690-10.5LN*
T	A5	B C P	3/	KGBC690-10.5RN* KGSS690-10.5RN* KGPB690-10.5RN*

- 1/ See Classification/Part or Identification Number (PIN) for symbol representation. The housing length dimensions and associated housing length designators are listed in [table II](#).
- 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 PINs shown. For actual part marking requirements, see the marking paragraph of [A-A-59812](#).
- 3/ Finish materials designators "B" (black anodize), "C" (clear anodize), "G" (gold anodize), "F" (clear chemical film), "Y" (gold chemical film), or "N" (no finish) are applicable to these housing material types.

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 finishes 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 previous issue.

MILITARY INTERESTS:

Custodians:

Army – CR
Navy – EC
Air Force – 85
DLA – CC

CIVIL AGENCY COORDINATING ACTIVITY:

GSA – FAS:

Preparing Activity

DLA – CC

Project: 5998–2026–003

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