

INCH-POUND

A-A-59812/2  
26 June 2008COMMERCIAL ITEM DESCRIPTION  
SPECIFICATION SHEETHOLDER, ELECTRICAL CARD, METAL CARD GUIDE, CENTER MOUNTING,  
WITH MULTIPLE MOUNTING HOLES AND HEAT TRANSFER HOUSING,  
FOR CHASSIS OR COLD PLATE MOUNTING APPLICATIONSThe General Services Administration has authorized the use of this  
commercial item description (CID) 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-59812](#).CLASSIFICATION/PART OR IDENTIFICATION NUMBER (PIN). This CID specification sheet uses a classification  
system which is included in the Part Identification Number (PIN) as shown in the following example (see [NOTES](#)).

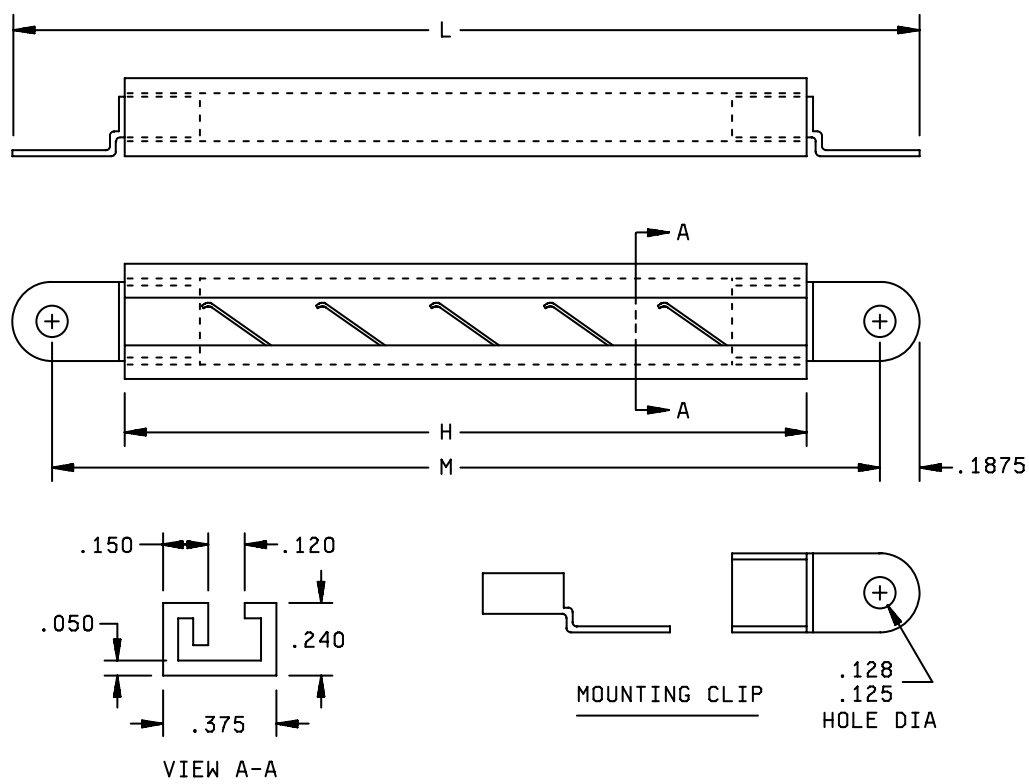
<u>AA59812</u>	<u>/02</u>	<u>@</u>	<u>##</u>	<u>\$</u>	<u>&amp;</u>
CID number	Applicable CID specification sheet	Configuration	Length	Insert material	Housing finish

Example: AA59812/02R50PY is the PIN for a phosphor bronze, 5.0 inches (127 mm) long, two mounting hole card  
guide with integrated heat sink. The housing has a gold chemical film finish.

## SALIENT CHARACTERISTICS.

Interface and physical dimensions. The card holders 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.  
This card guide is available for mounting in either the left or right facing position. Normal applications requires both  
left and right facing card guides. Left facing card guides is depicted on figure 1. Figure 3 shows the orientation of  
the card guides. The configuration designators listed in [table I](#) shall be included in the PIN.Length. The housing length is shown on figures 1 and 2 as dimension "H". The lengths available for this CID  
specification sheet are listed in [table II](#). 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, temper TD01), "C" (stainless steel, full hard), 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-59812/2



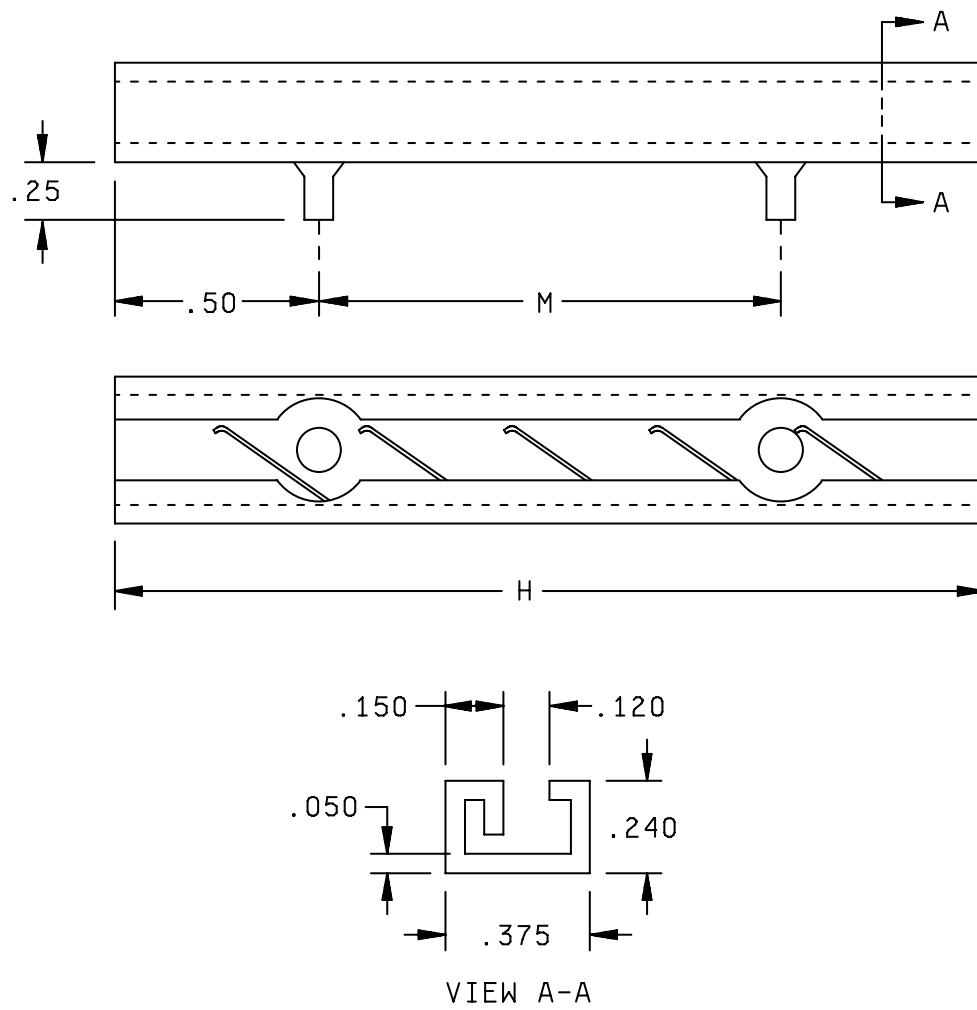
Inches	mm	Inches	mm	Inches	mm	Inches	mm
.050	1.27	.125	3.18	.150	3.81	.240	6.09
.120	3.05	.128	3.25	.1875	4.76	.375	9.53

NOTES:

1. Dimensions are in inches. Millimeters are given for information only.
2. Unless otherwise specified, tolerances are  $\pm .01$  inch (0.25 mm) for two place decimals and  $\pm .005$  (0.13 mm) for three place decimals.

FIGURE 1. Card holder design and dimensions, configurations L and R.

A-A-59812/2



Inches	mm	Inches	mm	Inches	mm	Inches	mm
.050	1.27	.125	3.18	.150	3.81	.240	6.09
.120	3.05	.128	3.25	.1875	4.76	.375	9.53
						.5	12.7

## NOTES:

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

FIGURE 2. Card holder design and dimensions, configurations S and T.

A-A-59812/2

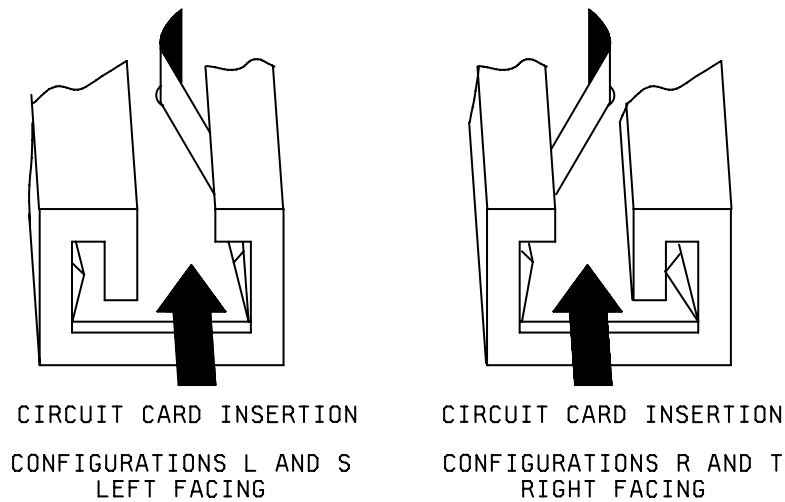
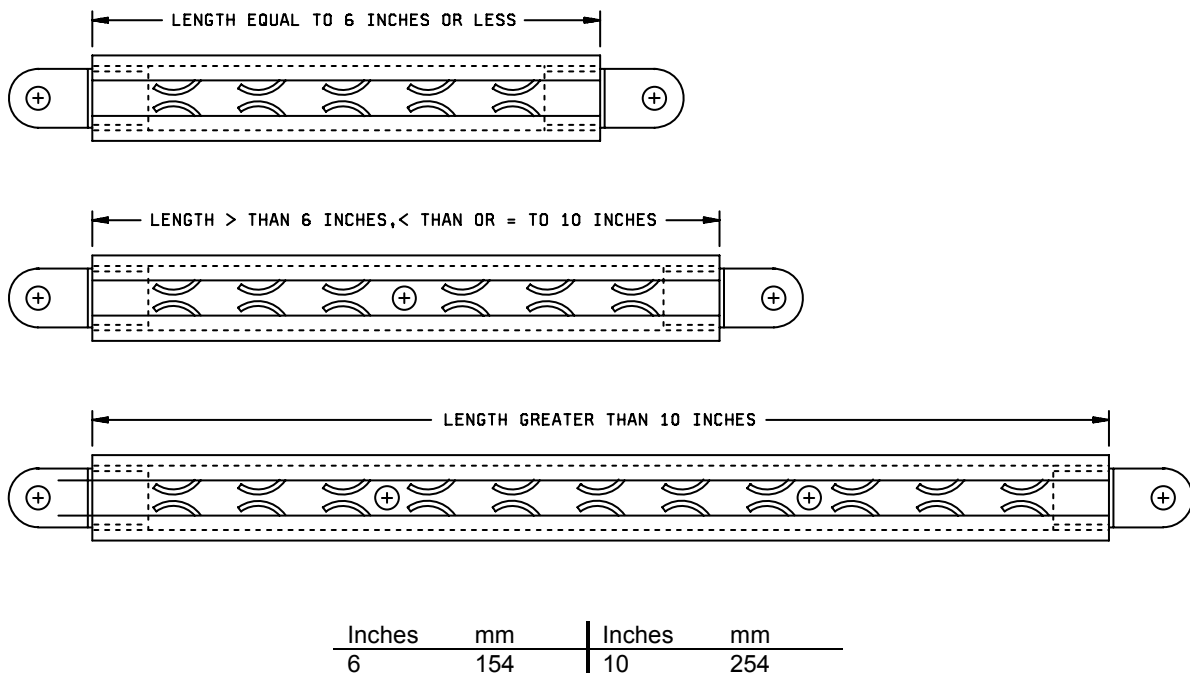


FIGURE 3. Configurations and facings.



NOTES:

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

FIGURE 4. Card guide mounting details with regards to housing length, configurations L and R depicted.

A-A-59812/2

**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.

TABLE I. Configurations.

Configuration designator	Facing	Mounting style
L	Left	Hole
R	Right	
S	Left	Stud
T	Right	

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

PIN designator for length	Dimension “H” ±.020 (0.51)	Dimension “M” ±.020 (0.51)		Dimension “L” ±.020 (0.51) 3/	Number of mounting holes 4/
		Configurations L and R	Configurations S and T		
20	2.0 (51)	2.375 (60)	1.0 (25)	2.75 (70)	2
25	2.5 (64)	2.875 (73)	1.5 (38)	3.25 (83)	2
30	3.0 (76)	3.375 (86)	2.0 (51)	3.75 (95)	2
35	3.5 (89)	3.875 (98)	2.5 (64)	4.25 (108)	2
40	4.0 (102)	4.375 (111)	3.0 (76)	4.75 (121)	2
45	4.5 (114)	4.875 (124)	3.5 (89)	5.25 (133)	2
50	5.0 (127)	5.375 (137)	4.0 (102)	5.75 (146)	2
55	5.5 (1140)	5.875 (149)	4.5 (114)	6.25 (159)	2
60	6.0 (152)	6.375 (162)	5.0 (127)	6.75 (171)	2
65	6.5 (165)	6.875 (175)	5.5 (1140)	7.25 (184)	3
70	7.0 (178)	7.375 (187)	6.0 (152)	7.75 (197)	3
75	7.5 (191)	7.875 (200)	6.5 (165)	8.25 (210)	3
80	8.0 (203)	8.375 (213)	7.0 (178)	8.75 (222)	3
85	8.5 (216)	8.875 (225)	7.5 (191)	9.25 (235)	3
90	9.0 (229)	9.375 (238)	8.0 (203)	9.75 (248)	3
95	9.5 (241)	9.875 (251)	8.5 (216)	10.25 (260)	3
A0	10.0 (254)	10.375 (264)	9.0 (229)	10.75 (273)	4
A5	10.5 (267)	10.875 (276)	9.5 (241)	11.25 (286)	4

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

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

3/ Applicable to configurations L and R only.

4/ See figure 4.

A-A-59812/2

## 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://assist.daps.dla.mil/quicksearch/> or <http://assist.daps.dla.mil/> or from the Standardization Document Order Desk, 700 Robbins Avenue, Building 4D, Philadelphia, PA 19111-5094.)

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>
07556	Unitrack Industries, Inc. 967 E. Masten Circle Milford, DE 19963-1085	Telephone: (302) 424-5050 Facsimile: (302) 424-5055 Electronic mail: <a href="mailto:unitrack@unitrackind.com">unitrack@unitrackind.com</a> URL: <a href="http://www.unitrackind.com">www.unitrackind.com</a>

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; AA59812/02@##\$& 1/				Manufacturers 2/	
Configuration “@”	Housing length “##”	Insert material “\$”	Finish “&”	CAGE 07556	
A	20	B C P	<u>3/</u>	KGBC375-2.0L* KGSS375-2.0L* KGPB375-2.0L*	
B	20	B C P	<u>3/</u>	KGBC375-2.0R* KGSS375-2.0R* KGPB375-2.0R*	
S	20	B C P	<u>3/</u>	KGBC375-2.0LS* KGSS375-2.0LS* KGPB375-2.0LS*	
T	20	B C P	<u>3/</u>	KGBC375-2.0RS* KGSS375-2.0RS* KGPB375-2.0RS*	

See footnotes at end of table.

A-A-59812/2

TABLE III. Commercial part number supersession data – Continued.

CID PIN; AA59812/02@##\$& 1/				Manufacturers 2/	
Configuration “@”	Housing length “##”	Insert material “\$”	Finish “&”	CAGE 07556	
A	25	B	<u>3/</u>	KGBC375-2.5L*	
		C		KGSS375-2.5L*	
		P		KGPB375-2.5L*	
B	25	B	<u>3/</u>	KGBC375-2.5R*	
		C		KGSS375-2.5R*	
		P		KGPB375-2.5R*	
S	25	B	<u>3/</u>	KGBC375-2.5LS*	
		C		KGSS375-2.5LS*	
		P		KGPB375-2.5LS*	
T	25	B	<u>3/</u>	KGBC375-2.5RS*	
		C		KGSS375-2.5RS*	
		P		KGPB375-2.5RS*	
A	30	B	<u>3/</u>	KGBC375-3.0L*	
		C		KGSS375-3.0L*	
		P		KGPB375-3.0L*	
B	30	B	<u>3/</u>	KGBC375-3.0R*	
		C		KGRS375-3.0R*	
		P		KGPB375-3.0R*	
S	30	B	<u>3/</u>	KGBC375-3.0LS*	
		C		KGSS375-3.0LS*	
		P		KGPB375-3.0LS*	
T	30	B	<u>3/</u>	KGBC375-3.0RS*	
		C		KGRS375-3.0RS*	
		P		KGPB375-3.0RS*	
A	35	B	<u>3/</u>	KGBC375-3.5L*	
		C		KGSS375-3.5L*	
		P		KGPB375-3.5L*	
B	35	B	<u>3/</u>	KGBC375-3.5R*	
		C		KGSS375-3.5R*	
		P		KGPB375-3.5R*	
S	35	B	<u>3/</u>	KGBC375-3.5LS*	
		C		KGSS375-3.5LS*	
		P		KGPB375-3.5LS*	
T	35	B	<u>3/</u>	KGBC375-3.5RS*	
		C		KGSS375-3.5RS*	
		P		KGPB375-3.5RS*	

See footnotes at end of table.

A-A-59812/2

TABLE III. Commercial part number supersession data – Continued.

CID PIN; AA59812/02@##\$& 1/				Manufacturers 2/	
Configuration “@”	Housing length “##”	Insert material “\$”	Finish “&”	CAGE 07556	
A	40	B C P	<u>3/</u>	KGBC375-4.0L* KGSS375-4.0L* KGPB375-4.0L*	
B	40	B C P	<u>3/</u>	KGBC375-4.0R* KGSS375-4.0R* KGPB375-4.0R*	
S	40	B C P	<u>3/</u>	KGBC375-4.0LS* KGSS375-4.0LS* KGPB375-4.0LS*	
T	40	B C P	<u>3/</u>	KGBC375-4.0RS* KGSS375-4.0RS* KGPB375-4.0RS*	
A	45	B C P	<u>3/</u>	KGBC375-4.5L* KGSS375-4.5L* KGPB375-4.5L*	
B	45	B C P	<u>3/</u>	KGBC375-4.5R* KGSS375-4.5R* KGPB375-4.5R*	
S	45	B C P	<u>3/</u>	KGBC375-4.5LS* KGSS375-4.5LS* KGPB375-4.5LS*	
T	45	B C P	<u>3/</u>	KGBC375-4.5RS* KGSS375-4.5RS* KGPB375-4.5RS*	
A	50	B C P	<u>3/</u>	KGBC375-5.0L* KGSS375-5.0L* KGPB375-5.0L*	
B	50	B C P	<u>3/</u>	KGBC375-5.0R* KGSS375-5.0R* KGPB375-5.0R*	
S	50	B C P	<u>3/</u>	KGBC375-5.0LS* KGSS375-5.0LS* KGPB375-5.0LS*	
T	50	B C P	<u>3/</u>	KGBC375-5.0RS* KGSS375-5.0RS* KGPB375-5.0RS*	

See footnotes at end of table.



A-A-59812/2

TABLE III. Commercial part number supersession data – Continued.

CID PIN; AA59812/02@##\$& 1/				Manufacturers 2/	
Configuration “@”	Lousing length “##”	Insert material “\$”	Finish “&”	CAGE 07556	
A	55	B C P	<u>3/</u>	KGBC375-5.5L* KGSS375-5.5L* KGPB375-5.5L*	
B	55	B C P	<u>3/</u>	KGBC375-5.5R* KGSS375-5.5R* KGPB375-5.5R*	
S	55	B C P	<u>3/</u>	KGBC375-5.5LS* KGSS375-5.5LS* KGPB375-5.5LS*	
T	55	B C P	<u>3/</u>	KGBC375-5.5RS* KGSS375-5.5RS* KGPB375-5.5RS*	
A	60	B C P	<u>3/</u>	KGBC375-6.0L* KGSS375-6.0L* KGPB375-6.0L*	
B	60	B C P	<u>3/</u>	KGBC375-6.0R* KGSS375-6.0R* KGPB375-6.0R*	
S	60	B C P	<u>3/</u>	KGBC375-6.0LS* KGSS375-6.0LS* KGPB375-6.0LS*	
T	60	B C P	<u>3/</u>	KGBC375-6.0RS* KGSS375-6.0RS* KGPB375-6.0RS*	
A	65	B C P	<u>3/</u>	KGBC375-6.5L* KGSS375-6.5L* KGPB375-6.5L*	
B	65	B C P	<u>3/</u>	KGBC375-6.5R* KGSS375-6.5R* KGPB375-6.5R*	
S	65	B C P	<u>3/</u>	KGBC375-6.5LS* KGSS375-6.5LS* KGPB375-6.5LS*	
T	65	B C P	<u>3/</u>	KGBC375-6.5RS* KGSS375-6.5RS* KGPB375-6.5RS*	

See footnotes at end of table.

A-A-59812/2

TABLE III. Commercial part number supersession data – Continued.

CID PIN; AA59812/02@##\$& 1/				Manufacturers 2/	
Configuration “@”	Lousing length “##”	Insert material “\$”	Finish “&”	CAGE 07556	
A	70	B C P	<u>3/</u>	KGBC375-7.0L* KGSS375-7.0L* KGPB375-7.0L*	
B	70	B C P	<u>3/</u>	KGBC375-7.0R* KGSS375-7.0R* KGPB375-7.0R*	
S	70	B C P	<u>3/</u>	KGBC375-7.0LS* KGSS375-7.0LS* KGPB375-7.0LS*	
T	70	B C P	<u>3/</u>	KGBC375-7.0RS* KGSS375-7.0RS* KGPB375-7.0RS*	
A	75	B C P	<u>3/</u>	KGBC375-7.5L* KGSS375-7.5L* KGPB375-7.5L*	
B	75	B C P	<u>3/</u>	KGBC375-7.5R* KGSS375-7.5R* KGPB375-7.5R*	
S	75	B C P	<u>3/</u>	KGBC375-7.5LS* KGSS375-7.5LS* KGPB375-7.5LS*	
T	75	B C P	<u>3/</u>	KGBC375-7.5RS* KGSS375-7.5RS* KGPB375-7.5RS*	
A	80	B C P	<u>3/</u>	KGBC375-8.0L* KGSS375-8.0L* KGPB375-8.0L*	
B	80	B C P	<u>3/</u>	KGBC375-8.0R* KGSS375-8.0R* KGPB375-8.0R*	
S	80	B C P	<u>3/</u>	KGBC375-8.0LS* KGSS375-8.0LS* KGPB375-8.0LS*	
T	80	B C P	<u>3/</u>	KGBC375-8.0RS* KGSS375-8.0RS* KGPB375-8.0RS*	

See footnotes at end of table.

A-A-59812/2

TABLE III. Commercial part number supersession data – Continued.

CID PIN; AA59812/02@##\$& 1/				Manufacturers 2/	
Configuration “@”	Lousing length “##”	Insert material “\$”	Finish “&”	CAGE 07556	
A	85	B C P	<u>3/</u>	KGBC375-8.5L* KGSS375-8.5L* KGPB375-8.5L*	
B	85	B C P	<u>3/</u>	KGBC375-8.5R* KGSS375-8.5R* KGPB375-8.5R*	
S	85	B C P	<u>3/</u>	KGBC375-8.5LS* KGSS375-8.5LS* KGPB375-8.5LS*	
T	85	B C P	<u>3/</u>	KGBC375-8.5RS* KGSS375-8.5RS* KGPB375-8.5RS*	
A	90	B C P	<u>3/</u>	KGBC375-9.0L* KGSS375-9.0L* KGPB375-9.0L*	
B	90	B C P	<u>3/</u>	KGBC375-9.0R* KGSS375-9.0R* KGPB375-9.0R*	
S	90	B C P	<u>3/</u>	KGBC375-9.0LS* KGSS375-9.0LS* KGPB375-9.0LS*	
T	90	B C P	<u>3/</u>	KGBC375-9.0RS* KGSS375-9.0RS* KGPB375-9.0RS*	
A	95	B C P	<u>3/</u>	KGBC375-9.5L* KGSS375-9.5L* KGPB375-9.5L*	
B	95	B C P	<u>3/</u>	KGBC375-9.5R* KGSS375-9.5R* KGPB375-9.5R*	
S	95	B C P	<u>3/</u>	KGBC375-9.5LS* KGSS375-9.5LS* KGPB375-9.5LS*	
T	95	B C P	<u>3/</u>	KGBC375-9.5RS* KGSS375-9.5RS* KGPB375-9.5RS*	

See footnotes at end of table.

A-A-59812/2

TABLE III. Commercial part number supersession data – Continued.

CID PIN; AA59812/02@##\$& 1/				Manufacturers 2/	
Configuration “@”	Lousing length “##”	Insert material “\$”	Finish “&”	CAGE 07556	
A	A0	B C P	<u>3</u> /	KGBC375-10.0L* KGSS375-10.0L* KGPB375-10.0L*	
B	A0	B C P	<u>3</u> /	KGBC375-10.0R* KGSS375-10.0R* KGPB375-10.0R*	
S	A0	B C P	<u>3</u> /	KGBC375-10.0LS* KGSS375-10.0LS* KGPB375-10.0LS*	
T	A0	B C P	<u>3</u> /	KGBC375-10.0RS* KGSS375-10.0RS* KGPB375-10.0RS*	
A	A5	B C P	<u>3</u> /	KGBC375-10.5L* KGSS375-10.5L* KGPB375-10.5L*	
B	A5	B C P	<u>3</u> /	KGBC375-10.5R* KGSS375-10.5R* KGPB375-10.5R*	
S	A5	B C P	<u>3</u> /	KGBC375-10.5LS* KGSS375-10.5LS* KGPB375-10.5LS*	
T	A5	B C P	<u>3</u> /	KGBC375-10.5RS* KGSS375-10.5RS* KGPB375-10.5RS*	

1/ See Classification/Part or Identification Number (PIN) for symbol representation.

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, 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.

A-A-59812/2

MILITARY INTERESTS:

Custodians:

Army – CR  
Navy – EC  
Air Force – 11  
DLA – CC

Review activity:

Air Force – 99

CIVIL AGENCY COORDINATING ACTIVITY:

GSA – FSS:

Preparing Activity

DLA – CC

Project: 5998-2007-040

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 <http://assist.daps.dla.mil>.