[INCH–POUND]
A–A–59812/4
4 July 2010

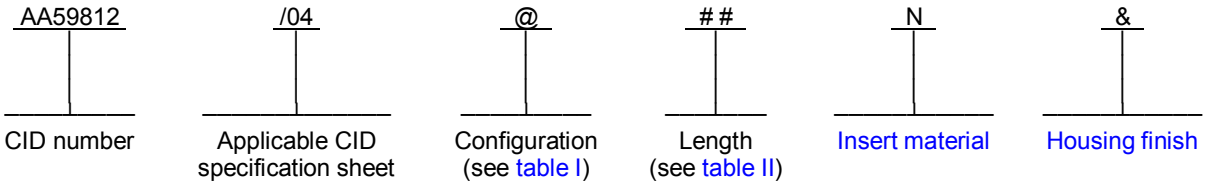
COMMERCIAL ITEM DESCRIPTION
SPECIFICATION SHEET

HOLDER, ELECTRICAL CARD, METAL CARD GUIDE, MULTIPLE PIECE, 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 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 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: AA59812/04TA5NF is the PIN for right-hand facing, 10.5 inches (267 mm) long, three swage nut card guide. The assembly uses a non-metallic polycarbonate insert and 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 are depicted on figures 1 and 2. Figure 3 shows the orientation of the card guides. The configuration designators listed in table I shall be included in the PIN.

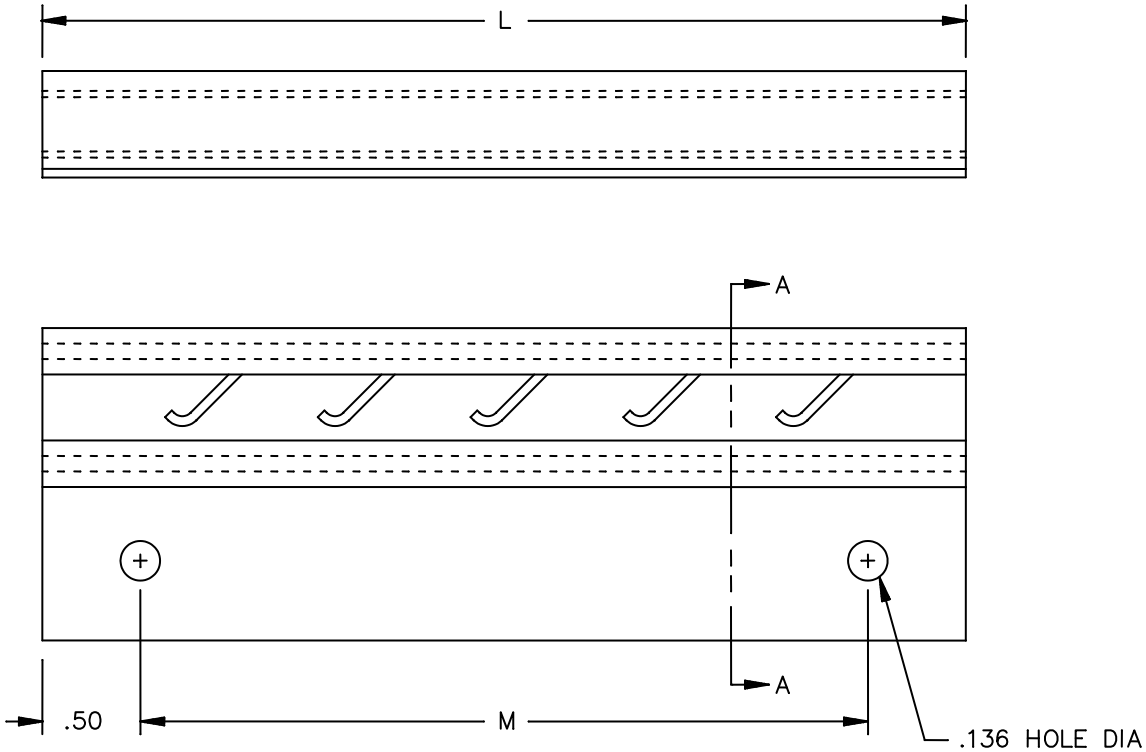
Length. The housing length is shown on figures 1 and 2 as dimension "L". The lengths available for this CID specification sheet are listed in table II. Applicable housing length designator shall be included in the PIN.

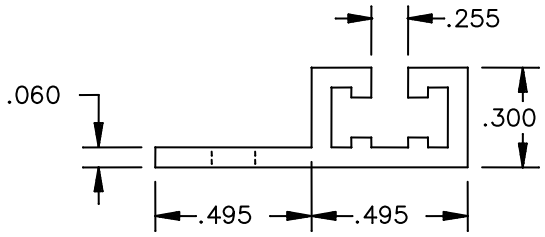
Insert material type. Insert material types shall be non-metallic polycarbonate. The applicable material type designators for this CID specification sheet is "N" (non-metallic polycarbonate).

Housing material. The housing shall be aluminum alloy 6061 temper T6 in accordance with A–A–59812.

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.

Circuit card assembly printed board thickness. The card guide are able to accommodate printed board thickness from .060 inch (1.5 mm) to .140 inch (3.6 mm).



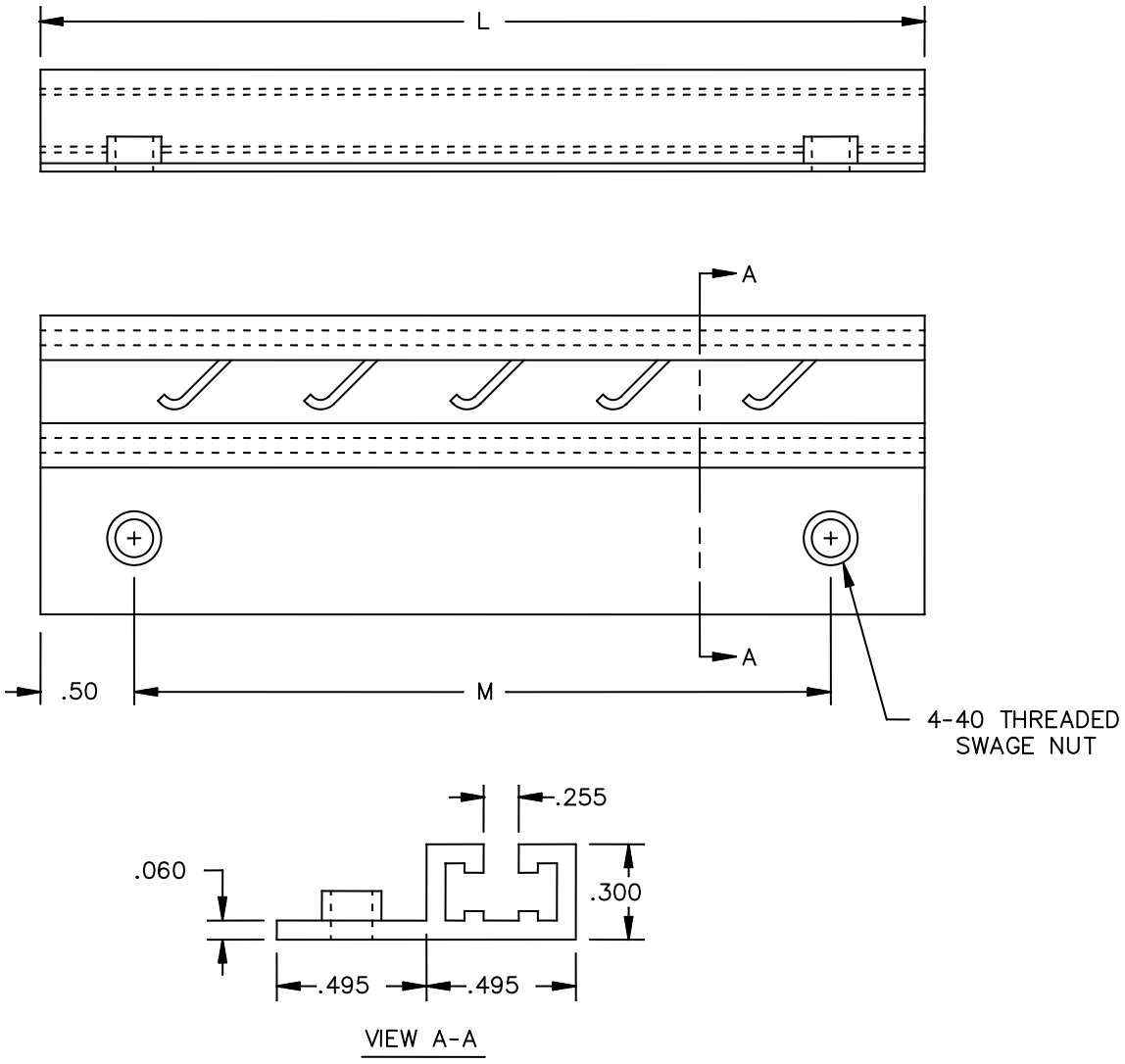


VIEW A-A

Inches	mm	Inches	mm	Inches	mm	Inches	mm
.060	1.52	.128	3.25	.300	7.62	.50	12.7
.125	3.18	.255	6.4.8	.495	12.57		

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

FIGURE 1. Card holder design and dimensions, configuration L.



Inches	mm	Inches	mm	Inches	mm	Inches	mm
.060	1.52	.128	3.25	.300	7.62	.50	12.7
.125	3.18	.255	6.4.8	.495	12.57		

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

FIGURE 2. Card holder design and dimensions, configuration S.

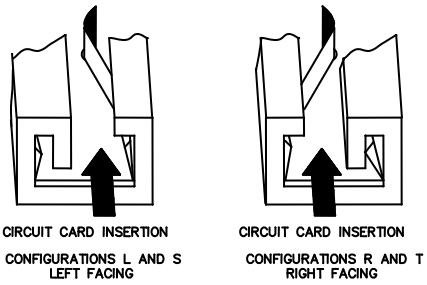
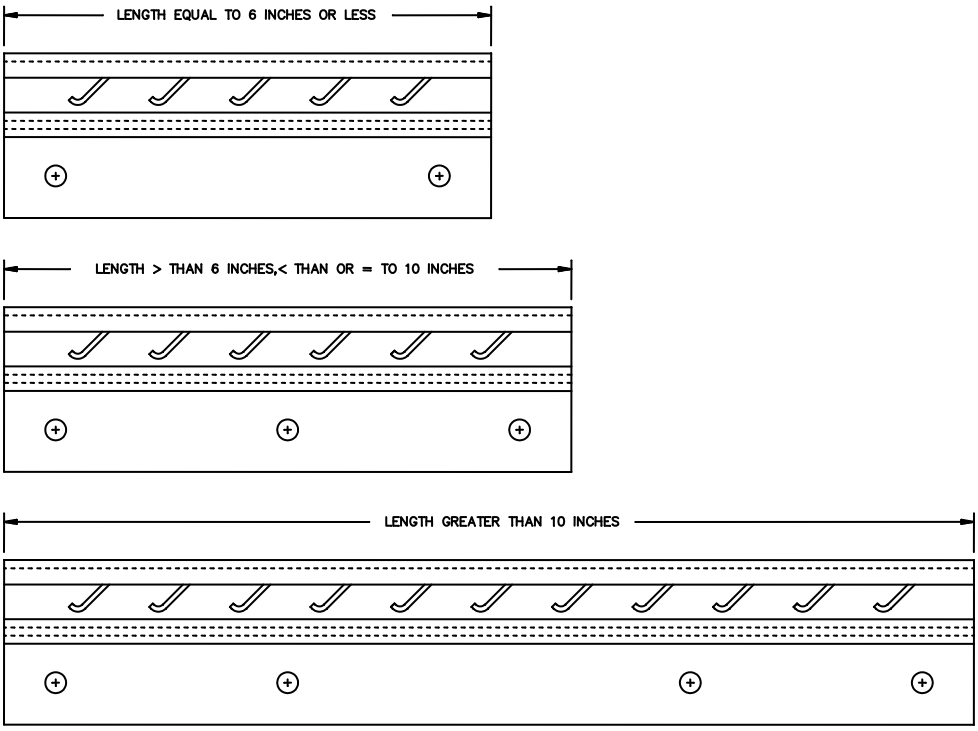


FIGURE 3. Configurations and facings.



Inches	mm	Inches	mm
6	154	10	254

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

FIGURE 4. Card guide mounting details with regards to housing length, configuration L depicted.

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.

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

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

CID PIN designator for length	Dimension "L" ±.020 (0.51)	Dimension "M" ±.020 (0.51) 3/	Number of mounting holes 4/
60	6.5 (165)	5.5 (138)	2
80	8.5 (216)	7.5 (190)	3
A0	10.5 (267)	9.5 (241)	3
C0	12.5 (318)	11.5 (292)	4
E0	14.5 (368)	13.5 (343)	4
G0	16.5 (419)	15.5 (394)	4
J0	18.5 (470)	17.5 (444)	4
L0	20.5 (521)	19.5 (495)	4

1/ Millimeters, in parenthesis, are given for general 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/ 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 https://assist.daps.dla.mil/quicksearch/or https://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.)

Manufacturer CAGE	Manufacturer name and address	Manufacturer contact information
07556	Unitrack Industries, Inc. 967 E. Masten Circle Milford, DE 19963–1085	Telephone: (302) 424–5050 Facsimile: (302) 424–5055 Electronic mail: unitrack@unitrackind.com URL: www.unitrackind.com

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; AA59812/04@##N& 1/				Manufacturers 2/	
Configuration "@"	Housing length "##"	Insert material	Finish "&"	CAGE 07556	
L	60	N		UNFL4718-6LH*	
S	60	N	3/	UNFL4718-6LN*	
R	60	N		UNFL4718-6RH*	
T	60	N	3/	UNFL4718-6RN*	
L	80	N		UNFL4718-8LH*	
S	80	N	3/	UNFL4718-8LN*	
R	80	N		UNFL4718-8RH*	
T	80	N	3/	UNFL4718-8RN*	
L	A0	N		UNFL4718-10LH*	
S	A0	N	3/	UNFL4718-10LN*	
R	A0	N		UNFL4718-10RH*	
T	A0	N	3/	UNFL4718-10RN*	
L	C0	N		UNFL4718-12LH*	
S	C0	N	3/	UNFL4718-12LN*	
R	C0	N		UNFL4718-12RH*	
T	C0	N	3/	UNFL4718-12RN*	
L	E0	N		UNFL4718-14LH*	
S	E0	N	3/	UNFL4718-14LN*	
R	E0	N		UNFL4718-14RH*	
T	E0	N	3/	UNFL4718-14RN*	

See footnotes at end of table.

TABLE III. Commercial part number supersession data – Continued.

CID PIN; AA59812/04@##N& 1/				Manufacturers 2/	
Configuration "@"	Housing length "##"	Insert material	Finish "&"	CAGE 07556	
L	G0	N		UNFL4718-16LH*	
S	G0	N	3/	UNFL4718-16LN*	
R	G0	N		UNFL4718-16RH*	
T	G0	N	3/	UNFL4718-16RN*	
L	J0	N		UNFL4718-18LH*	
S	J0	N	3/	UNFL4718-18LN*	
R	J0	N		UNFL4718-18RH*	
T	J0	N	3/	UNFL4718-18RN*	
L	L0	N		UNFL4718-20LLH*	
S	L0	N	3/	UNFL4718-20LLN*	
R	L0	N		UNFL4718-20RRH*	
T	L0	N	3/	UNFL4718-20RRN*	

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 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 anodizel), "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.

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: 5998–2009–004

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.daps.dla.mil/.