

[INCH-POUND]
A-A-55563/28A
28 November 2013
Superseding
A-A-55563/28
17 October 2006

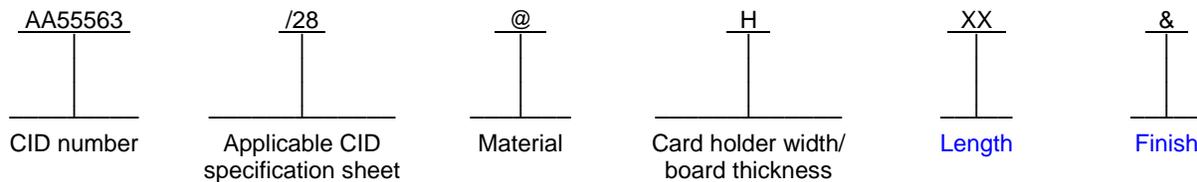
COMMERCIAL ITEM DESCRIPTION
SPECIFICATION SHEET

HOLDER, ELECTRICAL CARD, METAL CARD GUIDE, CLOSED ENDED,
WITH 3 MOUNTING HOLES, FOR USE WITH HEAT SINKS

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 commercial item description (CID) [A-A-55563](#).

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



Example: AA55563/28DH30G is the PIN for a stainless steel, 3.0 inch (76 mm) long, passivated, three mounting hole, closed end card guide for used with heat sinks. The card guide also features a center mounting hole.

SALIENT CHARACTERISTICS.

Interface and physical dimensions. The card holders supplied to this CID specification sheet shall be as specified herein (see [figure 1](#), [table I](#) and [table II](#)) and meet the general requirements specified in CID [A-A-55563](#).

Material type. Material types shall be defined in [A-A-55563](#). The applicable material type designators for this CID specification sheet are "A" (beryllium copper of temper TD01, formerly 1/4 H), "B" (beryllium copper of temper TH01; formerly 1/4 HT), or "D" (stainless steel). The material type designator and shall be included in the PIN.

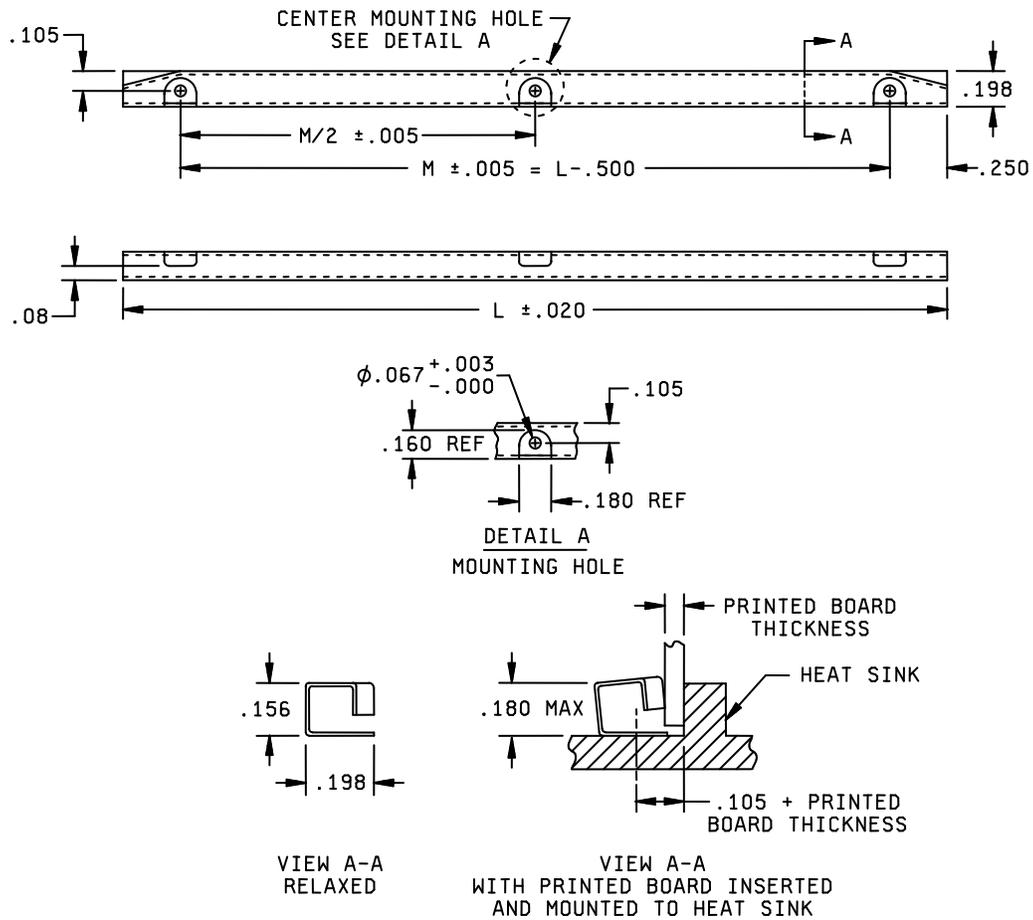
Material thickness. The beryllium copper thickness shall be .008 ±.002 inch (0.20 ±0.05 mm).

Card holder width/board thickness. The card holder width/board thickness is variable and based on the distance the card guide is mounted from the heat sink side wall (see [figure 1](#)). To obtain optimum clamping force, the centerline of the card guide installation holes in the heat sink shall be spaced .105 inch (2.67 mm) plus the thickness of the circuit card assembly printed board thickness from the side wall. The applicable card holder width/board thickness designator for this CID specification sheet is "H".

Overall length. Overall length is shown on [figure 1](#) as dimension "L", and is displayed in [table I](#) herein. Applicable overall length designator "10", "15", "20", "25", "30", "35", "40", "45", "50", "55", or "60" shall be included in the PIN.

Finish. Finish types shall be defined in [A-A-55563](#). Applicable finish materials designator "C" (copper plate), "D" (black ebonal), "E" (gold plate), "F" (nickel plate), "H" (silver plate), "J" (zinc, yellow chromate), "K" (no finish), or "R" (zinc, clear chromate) are available for material type designators "A" and "B". Finish designator "G" (passivate) is the only finish available for material type designator "D". The finish designator shall be included in the PIN.

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



Inches	mm	Inches	mm	Inches	mm	Inches	mm
.003	0.08	.067	1.70	.156	3.96	.198	5.03
.005	0.13	.08	2.03	.160	4.06	.250	6.35
.020	0.51	.105	2.67	.180	4.57	.500	12.7

NOTES:

1. Dimensions are in inches. Millimeters 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.

FIGURE 1. Card holder design and dimensions.

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

PIN designator for overall length	Dimension "L" ±.020 (0.51)	Dimension "M" ±.005 (0.13)	Dimension "M/2" ±.005 (0.13)
10	1.0 (25)	.50 (13)	N/A
15	1.5 (38)	1.0 (25)	N/A
20	2.0 (51)	1.5 (38)	.750 (19.1)
25	2.5 (64)	2.0 (51)	1.00 (25.4)
30	3.0 (76)	2.5 (64)	1.25 (31.8)
35	3.5 (89)	3.0 (76)	1.50 (38.1)
40	4.0 (102)	3.5 (89)	1.75 (44.5)
45	4.5 (114)	4.0 (102)	2.00 (50.8)
50	5.0 (127)	4.5 (114)	2.25 (57.2)
55	5.5 (140)	5.0 (127)	2.50 (63.5)
60	6.0 (152)	5.5 (140)	2.75 (69.9)

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

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

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-55563](#) – Holder, Electrical Card, Metal Card Guide, 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-55563.

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>
61081	Birtcher – A Division of Pentair Technical Products 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

Part number (P/N) supersession data. These CID specification sheet PINs supersedes the following manufacturer's P/Ns as shown in table II. The CID PINs listed in table II cover the different lengths available. The information in table II is being provided to assist in reducing proliferation in the Government inventory system.

TABLE II. Commercial part number supersession data.

CID PIN; AA55563/28@HXX& <u>1/</u>				Manufacturers <u>2/</u>	
Material type	Card holder width/board thickness	Overall length	Finish	CAGE 61081 <u>4/</u>	
A	H	10	<u>3/</u>	37C-6B-2-P	
A	H	15	<u>3/</u>	37C-6B-3-P	
A	H	20	<u>3/</u>	37C-6B-4-P	
A	H	25	<u>3/</u>	37C-6B-5-P	
A	H	30	<u>3/</u>	37C-6B-6-P	
A	H	35	<u>3/</u>	37C-6B-7-P	
A	H	40	<u>3/</u>	37C-6B-8-P	
A	H	45	<u>3/</u>	37C-6B-9-P	
A	H	50	<u>3/</u>	37C-6B-10-P	
A	H	55	<u>3/</u>	37C-6B-11-P	
A	H	60	<u>3/</u>	37C-6B-12-P	
B	H	10	<u>3/</u>	37C-6BH-2-P	
B	H	15	<u>3/</u>	37C-6BH-3-P	
B	H	20	<u>3/</u>	37C-6BH-4-P	
B	H	25	<u>3/</u>	37C-6BH-5-P	
B	H	30	<u>3/</u>	37C-6BH-6-P	
B	H	35	<u>3/</u>	37C-6BH-7-P	
B	H	40	<u>3/</u>	37C-6BH-8-P	
B	H	45	<u>3/</u>	37C-6BH-9-P	
B	H	50	<u>3/</u>	37C-6BH-10-P	
B	H	55	<u>3/</u>	37C-6BH-11-P	
B	H	60	<u>3/</u>	37C-6BH-12-P	
D	H	10	G	37C-6CR-2	
D	H	15	G	37C-6CR-3	
D	H	20	G	37C-6CR-4	
D	H	25	G	37C-6CR-5	
D	H	30	G	37C-6CR-6	
D	H	35	G	37C-6CR-7	
D	H	40	G	37C-6CR-8	
D	H	45	G	37C-6CR-9	
D	H	50	G	37C-6CR-10	
D	H	55	G	37C-6CR-11	
D	H	60	G	37C-6CR-12	

See footnotes at end of table.

TABLE II. Commercial part number supersession data – Continued.

- 1/ See classification Part/Identification Number 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-55563.
- 3/ Finish materials designator "C", "D", "E", "F", "H", "J", "K", or "R" are available for this material type.
- 4/ Manufacturer CAGE 61081 superseded part number suffix "P" denotes finish material.

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. Asterisks are not used in this revision to identify changes with respect to the previous revision, due to the extensiveness of the changes.

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 5998-2012-058

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>.