

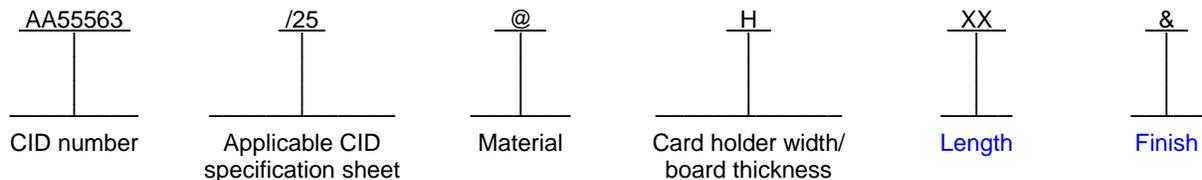
COMMERCIAL ITEM DESCRIPTION
SPECIFICATION SHEET

HOLDER, ELECTRICAL CARD, METAL CARD GUIDE, OPEN ENDED,
WITH 2 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 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: AA55563/25AH35C is the PIN for copper plated beryllium copper 3.5 inches (89 mm) long, open ended card holder. The card guide has two centered mounting holes and is designed to accommodate an infinite number of with printed board thicknesses of circuit card assemblies.

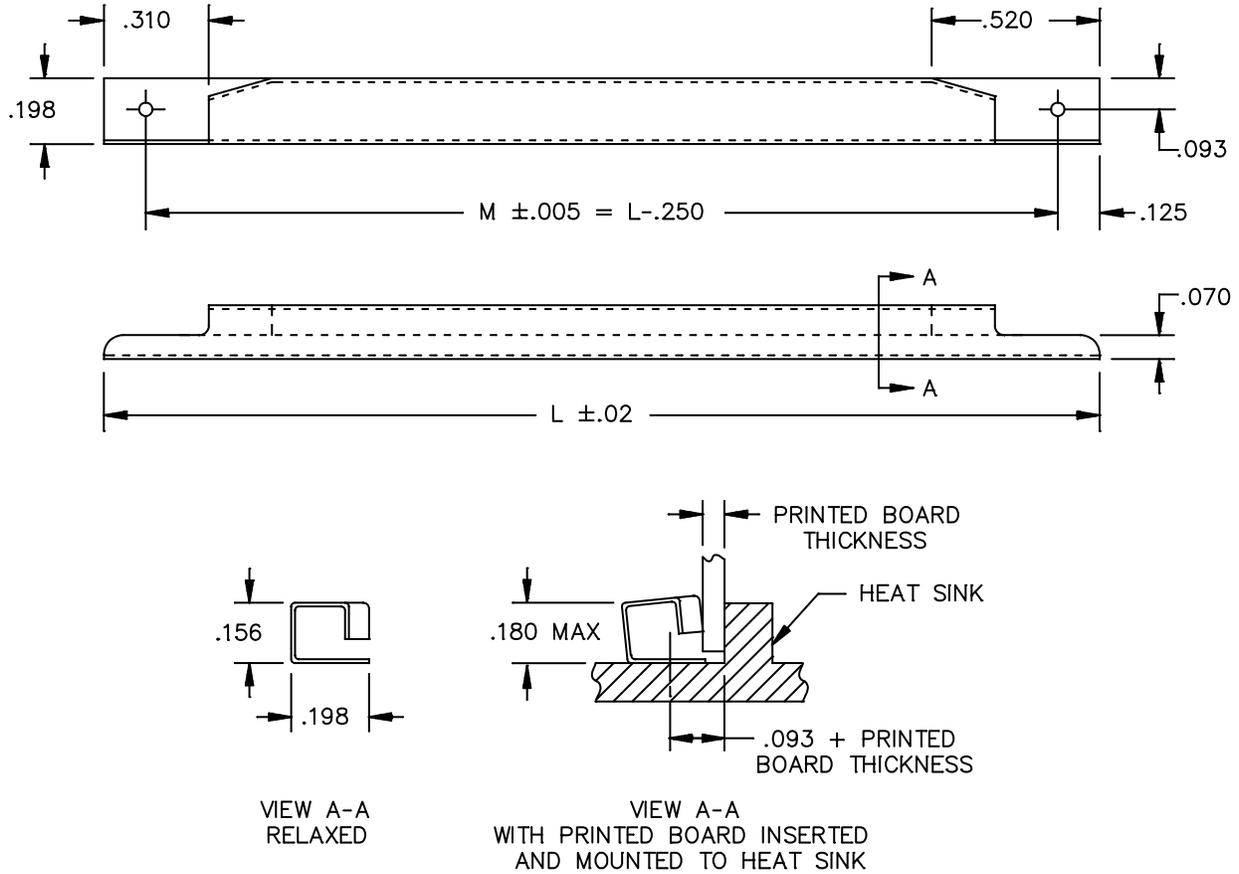
SALIENT CHARACTERISTICS.

Interface and physical dimensions. The card holders supplied to this CID specification sheet shall be as specified herein (see [figure 1](#) and [table 1](#)) and meet the general requirements specified in [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 .093 inch (2.36 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".



Inches	mm	Inches	mm	Inches	mm	Inches	mm
.005	0.13	.093	2.36	.156	3.96	.250	6.35
.02	0.51	.105	2.67	.180	4.57	.310	7.87
.070	1.78	.125	3.18	.198	5.03	.520	13.21

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.

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), or "K" (no finish) or "R" (zinc, clear chromate) are available for material type designators "A" (beryllium copper of temper TD01) and "B" (beryllium copper of temper TH01)". Finish designator "G" (passivate) is the only finish available for material type designator "D" (stainless steel). The finish designator shall be included in the PIN.

Mounting hole spacing. Mounting hole spacing is shown on [figure 1](#) as dimension "M". Dimension "M" is displayed in [table I](#) herein.

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

PIN designator for overall length	Dimension "L" ±.020 (0.51)		Dimension "M" ±.005 (0.13)	
	Inch	mm	Inch	mm
10	1.0	25	.750	19.1
15	1.5	38	1.25	31.8
20	2.0	51	1.75	44.5
25	2.5	64	2.25	57.2
30	3.0	76	2.75	69.9
35	3.5	89	3.25	82.6
40	4.0	102	3.75	96.3
45	4.5	114	4.25	108.0
50	5.0	127	4.75	120.7
55	5.5	114	5.25	133.4
60	6.0	152	5.75	146.1

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 (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/part identification number](#) 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.)

Manufacturer CAGE Manufacturer name and address Manufacturer contact information

18915	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 E-mail: info@birtcherproducts.com 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. This information is being provided to assist in reducing proliferation in the Government inventory system.

TABLE II. Commercial part number supersession data.

CID PIN: AA55563/25@HXX& 1/				Manufacturers 2/	
Material type	Card holder width/board thickness	Overall length designator	Finish 3/	CAGE 18915 4/	
A	H	10	3/	37-1B-2-P	
A	H	15	3/	37-1B-3-P	
A	H	20	3/	37-1B-4-P	
A	H	25	3/	37-1B-5-P	
A	H	30	3/	37-1B-6-P	
A	H	35	3/	37-1B-7-P	
A	H	40	3/	37-1B-8-P	
A	H	45	3/	37-1B-9-P	
A	H	50	3/	37-1B-10-P	
A	H	55	3/	37-1B-11-P	
A	H	60	3/	37-1B-12-P	
B	H	10	3/	37-1BH-2-P	
B	H	15	3/	37-1BH-3-P	
B	H	20	3/	37-1BH-4-P	
B	H	25	3/	37-1BH-5-P	
B	H	30	3/	37-1BH-6-P	
B	H	35	3/	37-1BH-7-P	
B	H	40	3/	37-1BH-8-P	
B	H	45	3/	37-1BH-9-P	
B	H	50	3/	37-1BH-10-P	
B	H	55	3/	37-1BH-11-P	
B	H	60	3/	37-1BH-12-P	

See footnotes at end of table.

TABLE II. Commercial part number supersession data – Continued.

CID PIN: AA55563/25@HXX& <u>1/</u>				Manufacturers <u>2/</u>	
Material type	Card holder width/board thickness	Overall length designator	Finish <u>3/</u>	CAGE 18915 <u>4/</u>	
D	H	10	G	37-1CR-2	
D	H	15	G	37-1CR-3	
D	H	20	G	37-1CR-4	
D	H	25	G	37-1CR-5	
D	H	30	G	37-1CR-6	
D	H	35	G	37-1CR-7	
D	H	40	G	37-1CR-8	
D	H	45	G	37-1CR-9	
D	H	50	G	37-1CR-10	
D	H	55	G	37-1CR-11	
D	H	60	G	37-1CR-12	

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", "K", "J", or "R" are available for this material type.

4/ Manufacturer CAGE 18915 superseded part number suffix letter "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. 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: 5998–2012–055

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>.