

[INCH-POUND]  
A-A-55563/23A  
23 April 2013  
Superseding  
A-A-55563/23  
24 May 2005

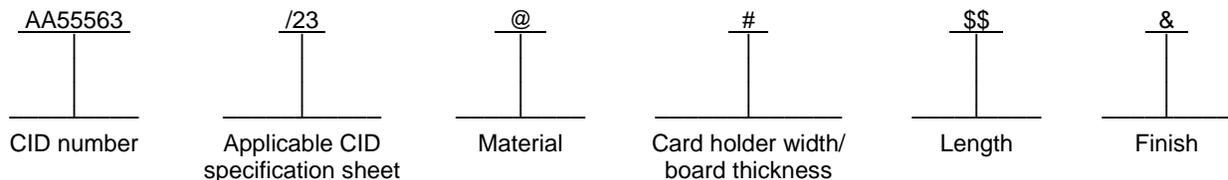
COMMERCIAL ITEM DESCRIPTION  
SPECIFICATION SHEET

HOLDER, ELECTRICAL CARD, METAL CARD GUIDE, MEDIUM PROFILE, CENTER MOUNT,  
WITH FLARED ENTRY, WITH 2 MOUNTING HOLES

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-55563](#).

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](#)).



Example: AA55563/23CQ45R is the PIN for a beryllium copper, 2.5 inches (64 mm) long, medium profile card  
holder. The card holder features a clear chromate zinc finish, two mounting holes of diameter .109 inch (2.77 mm), a  
flared entry, and is designed to accommodate circuit card assemblies with printed board thicknesses of .063 inch  
(1.60 mm).

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 [A-A-55563](#).

Material. 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 ¼ H), "B" (beryllium copper of temper TH01;  
formerly ¼ HT) or "D" (stainless steel ¼ H).

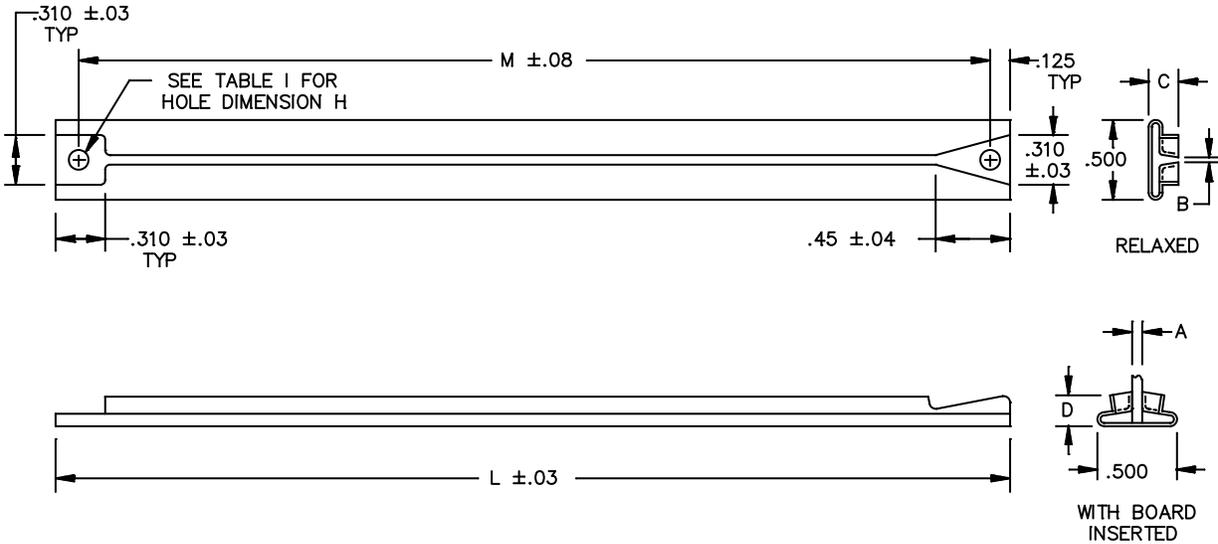
Material thickness. The material thickness shall be .010 ±0.002 inch (0.25 ±0.05 mm).

Card holder width/board thickness. The card holder width/board thickness shall be defined in [table I](#) herein and is  
shown on [figure 1](#) as dimensions "A" and "B". The applicable card holder width/board thickness designators for this  
CID specification sheet are also used to designate mounting hole size as specified in [table I](#).

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

**Finish.** Finish types shall be defined in [A-A-55563](#). Applicable finish materials designator "C" (copper plate), "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" (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 listed in [table II](#) herein.



Inches	mm	Inches	mm	Inches	mm	Inches	mm
.03	0.76	.08	2.03	.310	7.87	.500	12.70
.04	1.02	.125	3.18	.45	11.4		

**NOTES:**

1. Dimensions are in inches. Millimeters are given for general information only.
2. Unless otherwise specified, tolerances are  $\pm 0.02$  inch (0.5 mm) for two place decimals and  $\pm 0.010$  inch (0.25 mm) for three place decimals.

FIGURE 1. Card holder design and dimensions.

TABLE I. Card holder configurations and dimensions. <sup>1/</sup>

PIN designator for card holder width/board thickness	Dimension "A" <sup>2/</sup>		Dimension "B" <sup>3/</sup>		Dimension "C" <sup>3/</sup>		Dimension "D" <sup>3/</sup>		Dimension "H" <sup>3/</sup>	
	Inch	mm								
P	.063	1.60	.038	0.97	.171	4.35	.190	4.83	.098	2.49
Q	.063	1.60	.038	0.97	.171	4.35	.190	4.83	.109	2.77
S	.094	2.39	.068	1.73	.171	4.35	.190	4.83	.098	2.49
T	.094	2.39	.068	1.73	.171	4.35	.190	4.83	.109	2.77
U	.125	3.18	.100	2.54	.215	5.47	.250	6.35	.098	2.49
W	.125	3.18	.100	2.54	.215	5.47	.250	6.35	.109	2.77

<sup>1/</sup> See [figure 1](#). Millimeters are given for general information only.

<sup>2/</sup> Dimension "A" is given as reference.

<sup>3/</sup> Unless otherwise specified, tolerances are  $\pm 0.02$  inch (0.5 mm) for two place decimals and  $\pm 0.010$  inch (0.25 mm) for three place decimals.

TABLE II. Length and hole spacing. <sup>1/</sup>

PIN designator for overall length	Dimension "L" $\pm 0.020$ (0.51)		Dimension "M" $\pm 0.005$ (0.13)	
	Inch	mm	Inch	mm
20	2.0	51	1.75	44.5
25	2.5	54	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	95.3
45	4.5	114	4.25	108.0
50	5.0	127	4.75	120.7
55	5.5	140	5.25	133.4

<sup>1/</sup> See [figure 1](#). Millimeters are given for general information only.

#### NOTES.

PIN. The PIN should be used for Government purposes to buy commercial products to this CID specification sheet. See the [classification/part or identification number](#) section for PIN format example.

#### Source of documents.

##### Commercial Item Description

[A-A-55563](#) – Holders, Electrical Card, Metal Card Guide, General Requirements for, General Requirements.

(Copies of these documents are available online at <https://assist.dla.mil/quicksearch> 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 is 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>
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: <a href="mailto:info@birtcherproducts.com">info@birtcherproducts.com</a> URL: <a href="http://www.birtcherproducts.com">www.birtcherproducts.com</a>

Part number supersession data. This CID specification sheet supersedes the following manufacturer's part numbers as shown own in [table III](#). The information is being provided to assist in reducing proliferation in the Government inventory system.

TABLE III. Commercial part number supersession data.

CID PIN; AA55563/23@#\$\$& <a href="#">1/</a>				Manufacturers <a href="#">2/</a>	
Material type	Card holder width/board thickness (see <a href="#">table I</a> )	Overall length designator (see <a href="#">table II</a> )	Finish <a href="#">3/</a>	CAGE 18915 <a href="#">4/</a>	
A	P	\$\$	<a href="#">3/</a>	17B-XX-P	
A	Q	\$\$	<a href="#">3/</a>	15B-XX-P	
A	S	\$\$	<a href="#">3/</a>	18B-XX-P	
A	T	\$\$	<a href="#">3/</a>	16B-XX-P	
A	U	\$\$	<a href="#">3/</a>	20B-XX-P	
A	W	\$\$	<a href="#">3/</a>	19B-XX-P	
B	P	\$\$	<a href="#">3/</a>	17BH-XX-P	
B	Q	\$\$	<a href="#">3/</a>	15BH-XX-P	
B	S	\$\$	<a href="#">3/</a>	18BH-XX-P	
B	T	\$\$	<a href="#">3/</a>	16BH-XX-P	
B	U	\$\$	<a href="#">3/</a>	20BH-XX-P	
B	W	\$\$	<a href="#">3/</a>	19BH-XX-P	
D	P	\$\$	G	17CR-XX-P	
D	Q	\$\$	G	15CR-XX-P	
D	S	\$\$	G	18CR-XX-P	
D	T	\$\$	G	16CR-XX-P	
D	U	\$\$	G	20CR-XX-P	
D	W	\$\$	G	19CR-XX-P	

See footnotes at end of table.

TABLE III. Commercial part number supersession data – Continued.

- 1/ See classification/part or 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, 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", "E", "F", "H", "J", "K" or "R" are available for this material type.
- 4/ Manufacturer CAGE 18915 superseded part number suffix letter "XX" denotes the length (2.0 inches [51 mm] to 5.5 inches [140 mm]) and "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 – 99  
DLA – CC

CIVIL AGENCY COORDINATING ACTIVITY:

GSA – FAS  
Preparing activity:  
DLA – CC  
Project 5998-2012-042

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>.