

[INCH-POUND]
A-A-55563/13B
22 June 2012
Superseding
A-A-55563/13A
31 January 2002

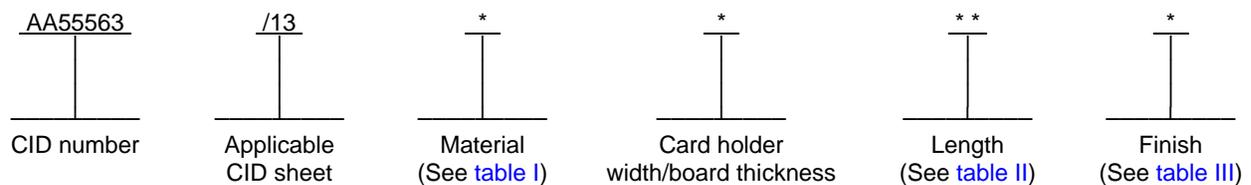
COMMERCIAL ITEM DESCRIPTION
SPECIFICATION SHEET

HOLDER, ELECTRICAL CARD, METAL CARD GUIDE, LOW PROFILE, OPEN ENDED,
WITH FLARED ENTRY, WITH 2 OFFSET (SIDE) MOUNTING HOLES,
WITH CONTROLLED INSIDE BEND RADIUS

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 /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: AA55563/13AC20D is the PIN for a beryllium copper 1/4 hard, 2.0 inches (51 mm) long, ebonal finished,
low profile, open ended, flared entry, card holder having 2 two offset (side) mounting holes.
The card guide is designed to accommodate circuit card assemblies with printed board thicknesses of .0937 inch
(2.29 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 CID [A-A-55563](#).

Material type. Material types shall be defined in of [A-A-55563](#). The applicable material type designators for this CID
specification sheet are "A" (beryllium copper ¼ H, temper TD01), "B" (beryllium copper ¼ HT, temper TH01), or "D"
(stainless steel ¼ H).

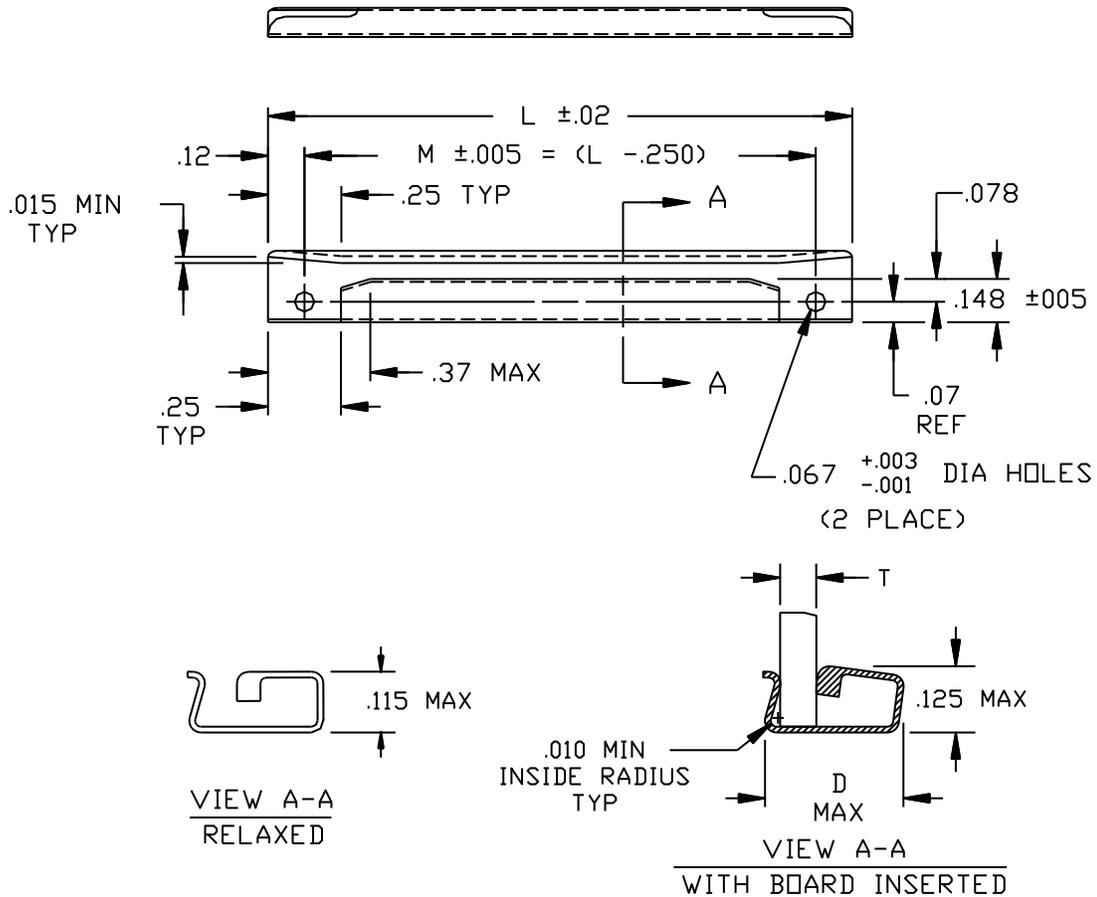
Material thickness. The material thickness shall be .005 ±.002 inch (0.13 ±0.05 mm).

Card holder width/board thickness. The card holder width/board thickness shall be defined in [table I](#) herein and as
shown in [figure 1](#) as dimensions "D" and "T". The applicable card holder width/board thickness designators for this
CID specification sheet are A, B, or C, and shall be included in the PIN.

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, 55, 60, 65, 70, or 75 shall be included in the PIN.

Finish. Finish materials types shall be defined in [A-A-55563](#). Applicable finish materials designators "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" (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								
.001	0.03	.010	0.25	.067	1.72	.100	2.54	.148	3.76
.003	0.08	.015	0.38	.070	1.78	.120	3.05	.250	6.35
.005	0.13	.020	0.51	.078	1.92	.125	3.18	.37	9.39

NOTES:

1. Dimensions are in inches.
2. Millimeter equivalents are given for general information only.
3. Unless otherwise specified, tolerances are $\pm .02$ inch (0.51 mm), for 2 places and $\pm .010$ inch (0.25 mm), for 3 places.

FIGURE 1. Card holder design and dimensions.

TABLE I. Card holder width/board thickness.

PIN designator for card holder width / board thickness	Fractional equivalent	Card holder width ^{1/} ^{2/} Dimension "D" max		Board thickness ^{1/} ^{2/} ^{3/} Dimension "T" ref	
		Inches	mm	Inches	mm
A	1/32	.27	6.85	.0312	0.76
B	1/16	.27	6.85	.0625	1.52
C	3/32	.27	6.85	.0937	2.29

- ^{1/} See dimensions "D" and "T" in view A – A on in [figure 1](#).
- ^{2/} Do not use card holder width/board thickness, dimensions "D" or "T" for PIN construction.
- ^{3/} Dimension "T" is given as reference.

TABLE II. Length and hole spacing. ^{1/}

PIN designator for overall length	Dimension "L" ±.020 (0.51)		Dimension "M" ±.005 (0.13)	
	Inches	mm	Inches	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
60	6.0	152	5.75	146.1
65	6.5	165	6.25	158.8
70	7.0	178	6.75	171.5
75	7.5	191	7.25	184.2

- ^{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 section for PIN format example.

Source of documents.

Commercial Item Description

[A-A-55563](#) – Holder, Electrical Card, Metal Card Guide, 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 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 URL: www.birtcherproducts.com

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

TABLE III. Commercial part number supersession data.

CID PIN; AA55563/13@#\$\$& 1/				Manufacturers 2/	
Material type (@)	Card holder width/board thickness	Overall length (\$\$)	Finish (&)	CAGE 18915 4/	
A	#	20	3/	35F-7B-T-4-P	
A	#	25	3/	35F-7B-T-5-P	
A	#	30	3/	35F-7B-T-6-P	
A	#	35	3/	35F-7B-T-7-P	
A	#	40	3/	35F-7B-T-8-P	
A	#	45	3/	35F-7B-T-9-P	
A	#	50	3/	35F-7B-T-10-P	
A	#	55	3/	35F-7B-T-11-P	
A	#	60	3/	35F-7B-T-12-P	
A	#	65	3/	35F-7B-T-13-P	
A	#	70	3/	35F-7B-T-14-P	
A	#	75	3/	35F-7B-T-15-P	
B	#	20	3/	35F-7BH-T-8-P	
B	#	25	3/	35F-7BH-T-8-P	
B	#	30	3/	35F-7BH-T-8-P	
B	#	35	3/	35F-7BH-T-8-P	
B	#	40	3/	35F-7BH-T-8-P	
B	#	45	3/	35F-7BH-T-9-P	
B	#	50	3/	35F-7BH-T-10-P	
B	#	55	3/	35F-7BH-T-11-P	

See footnotes at end of table.

TABLE III. Commercial part number supersession data – Continued.

CID PIN; AA55563/13@#\$\$& 1/				Manufacturers 2/	
Material type (@)	Card holder width/board thickness	Overall length (\$\$)	Finish (&)	CAGE 18915 4/	
B	#	60	3/	35F-7BH-T-12-P	
B	#	65	3/	35F-7BH-T-13-P	
B	#	70	3/	35F-7BH-T-14-P	
B	#	75	3/	35F-7BH-T-15-P	
D	#	20	G	35F-7CR-T-4	
D	#	25	G	35F-7CR-T-5	
D	#	30	G	35F-7CR-T-6	
D	#	35	G	35F-7CR-T-7	
D	#	40	G	35F-7CR-T-8	
D	#	45	G	35F-7CR-T-9	
D	#	50	G	35F-7CR-T-10	
D	#	55	G	35F-7CR-T-11	
D	#	60	G	35F-7CR-T-12	
D	#	65	G	35F-7CR-T-13	
D	#	70	G	35F-7CR-T-14	
D	#	75	G	35F-7CR-T-15	

1/ See CLASSIFICATION OR /IDENTIFICATION NUMBER (PIN) herein for symbol representations.

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 "H", "K", "C", "D", "E", "F", "R", or "J" are available for this material type.

4/ Manufacturer CAGE 18915 superseded part number the series type is "35F-7", the letters "B", "BH", or "CR" denotes material type, the letter "T" denotes card holder width/board thickness (see table I), the numbers "2" through "15" denotes card holder lengths, and the letter "P" denotes finish material.

MILITARY INTERESTS:

Custodians:
 Navy – EC
 Air Force – 99
 DLA – CC

CIVIL AGENCY COORDINATING ACTIVITY:

GSA – FAS
 Preparing activity:
 DLA – CC
 Project 5998-2012-030

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>.