

[INCH-POUND]
A-A-55563/12C
22 March 2012
Superseding
A-A-55563/12B
14 May 2009

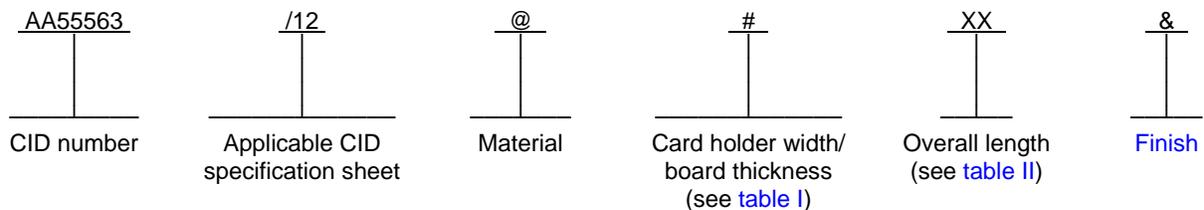
COMMERCIAL ITEM DESCRIPTION
SPECIFICATION SHEET

HOLDER, ELECTRICAL CARD, METAL CARD GUIDE, LOW PROFILE, OPEN ENDED,
WITHOUT FLARED ENTRY, WITH 3 OFFSET (SIDE) MOUNTING HOLES

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 [A-A-55563](#).

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](#) herein).



Example: AA55563/12AC60H is the PIN for a beryllium copper, 6.0 inches (152 mm) long, silver plated, narrow
profile card guide with two center mounting holes. The card guide is designed to accommodate circuit card
assemblies with printed board thicknesses of .0937 inch (2.38 mm) and has two offset mounting holes.

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](#)).

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 ¼ H, temper TD01), "B" (beryllium copper ¼ HT, temper TH01), or "D"
(stainless steel ¼ H).

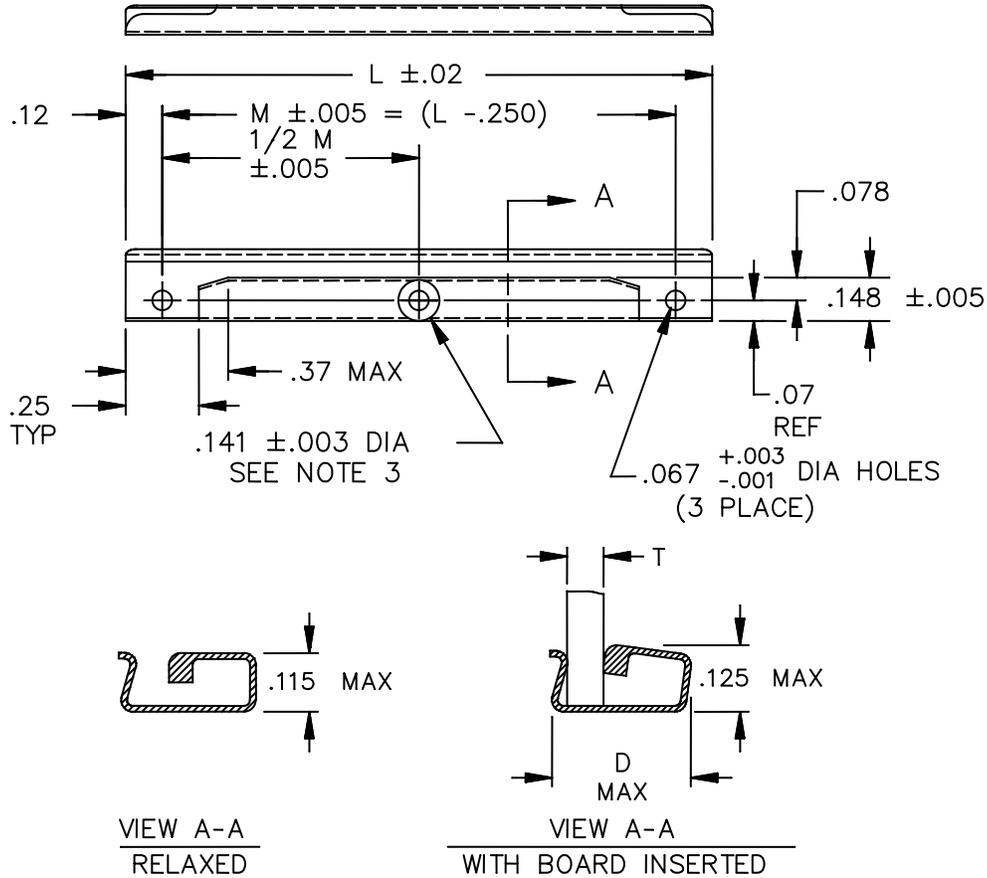
Material thickness. The material thickness shall be .005 ±.002 inch (0.13 ±0.05 mm).

Card holder width/board thickness. The card holder width/board thickness shall be defined in [table I](#) herein and is
shown on [figure 1](#) as dimensions "D" and "T". The applicable card holder width/board thickness designators for this
CID specification sheet are "A", "B", and "C" 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 "10", "15", "20", "25", "30", "35", "40", "45", "50", "55", "60", "65", "70", or "75" shall be
included in the PIN.

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

Mounting hole spacing. Mounting hole spacing is shown on figure 1 as dimensions "M" and "1/2M". Dimensions "M" and "1/2M" are listed in table II herein.



Inches	mm	Inches	mm	Inches	mm	Inches	mm
.005	0.13	.078	1.98	.125	3.18	.25	6.4
.02	0.5	.115	2.92	.141	3.58	.250	6.35
.067	1.70	.12	3.0	.148	3.76	.37	9.4
.07	1.8						

NOTES:

1. Dimensions are in inches. Millimeters are given for general information only.
2. Unless otherwise specified, tolerances are ± 0.02 inch (0.5 mm) for two place decimals and ± 0.010 inch (0.25 mm) for three place decimals.
3. NOTE: Center access hole design is optional. Use of "D" type access hole is permitted and must meet the dimensional requirements.

FIGURE 1. Card holder design and dimensions.

TABLE I. Card holder configurations and dimensions (see [figure 1](#)). ^{1/}

PIN designator for card holder width/ board thickness	Card holder width ^{1/} ^{2/}		Board thickness ^{1/} ^{2/} ^{3/}	
	Dimension "D" max		Dimension "T" ref	
	Inches	mm	Inches	mm
A	.27	6.85	.0312	0.79
B	.27	6.85	.0625	1.59
C	.27	6.85	.0937	2.38

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

^{2/} Unless otherwise specified, tolerances are ± 0.02 inch (0.5 mm) for two place decimals and ± 0.010 (0.25 mm) for three place decimals.

^{3/} Dimension "T" is given as reference.

TABLE II. Length and hole spacing. ^{1/} ^{2/}

PIN designator for overall length	Dimension "L" ± 0.020 (0.51)		Dimension "M" ± 0.005 (0.13)		Dimension "1/2 M" ± 0.005 (0.13)	
	Inches	mm	Inches	mm	Inches	mm
	10	1.0	25	.75	19.1	
15	1.5	38	1.25	31.8		
20	2.0	51	1.75	44.5	.875	22.3
25	2.5	54	2.25	57.2	1.125	28.6
30	3.0	76	2.75	69.9	1.375	35.0
35	3.5	89	3.25	82.6	1.625	41.3
40	4.0	102	3.75	95.3	1.875	47.7
45	4.5	114	4.25	108.0	2.125	54.0
50	5.0	127	4.75	120.7	2.375	60.4
55	5.5	140	5.25	133.4	2.625	66.7
60	6.0	152	5.75	146.1	2.875	73.0
65	6.5	165	6.25	158.8	3.125	79.4
70	7.0	178	6.75	171.5	3.375	85.8
75	7.5	191	7.25	184.2	3.625	92.1

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

^{2/} Unless otherwise specified, tolerances are ± 0.02 inch (0.5 mm) for two place decimals and ± 0.010 (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 section for PIN format example.

Source of documents.

Commercial Item Description

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

<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) 679-4550 Toll Free: (800) 854-7086 Facsimile: (858) 679-4555 URL: www.birtcherproducts.com

Part number supersession data. This CID specification sheet PINs supersede the following manufacturer's part numbers as shown. This information is being provided to assist in reducing proliferation in the Government inventory system. (See table III below.)

TABLE III. Commercial part number supersession data.

CID PIN; AA55563/12@#XX& <u>1/</u>				Manufacturers <u>2/</u>	
<u>Material type</u>	<u>Card holder width/board thickness (see table I)</u>	<u>Overall length designator (see table II)</u>	<u>Finish <u>3/</u></u>	CAGE 18915	
				<u>4/</u>	
A	#	10	&	35C-7B-T-2-F	
A	#	15	&	35C-7B-T-3-F	
A	#	20	&	35C-7B-T-4-F	
A	#	25	&	35C-7B-T-5-F	
A	#	30	&	35C-7B-T-6-F	
A	#	35	&	35C-7B-T-7-F	
A	#	40	&	35C-7B-T-8-F	
A	#	45	&	35C-7B-T-9-F	
A	#	50	&	35C-7B-T-10-F	
A	#	55	&	35C-7B-T-11-F	
A	#	60	&	35C-7B-T-12-F	
A	#	65	&	35C-7B-T-13-F	
A	#	70	&	35C-7B-T-14-F	
A	#	75	&	35C-7B-T-15-F	

See notes at end of table.

TABLE III. Commercial part number supersession data – Continued.

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

See notes at end of table.

TABLE III. Commercial part number supersession data – Continued.

- 1/ See [Classification/Part or Identification Number](#) paragraph 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/ MFG CAGE 18915 the series type is "35C-7", (with center mounting hole and without flare) 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 "F" 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.

MILITARY INTERESTS:

Custodians:
Army – CR
Navy – EC
Air Force – 85
DLA – CC

Review activities:
Air Force – 99

CIVIL AGENCY COORDINATING ACTIVITY:

GSA – FAS
Preparing Activity
DLA – CC
Project: 5998-2011-031

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>.