[INCH–POUND]
A–A–55563/2C
2 August 2016
Superseding
A–A–55563/2B
28 July 2011

COMMERCIAL ITEM DESCRIPTION
SPECIFICATION SHEET

HOLDER, ELECTRICAL CARD, METAL CARD GUIDE, OPEN ENDED, WITHOUT FLARED ENTRY, WITH 2 OFFSET (SIDE) 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 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).

AA55563	/02	*	*	* *	*
CID number	Applicable CID sheet	Material	Card holder width / board thickness (See table I)	Overall length	Finish

Example: AA55563/02AB70K is the PIN for an unfinished beryllium copper, 7.0 inches (178 mm) long, narrow profile card guide with two center mounting holes. The card guide is designed to accommodate circuit card assemblies with printed board thicknesses of .0625 inch (1.52 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) and meet the general requirements specified in CID A–A–55563.

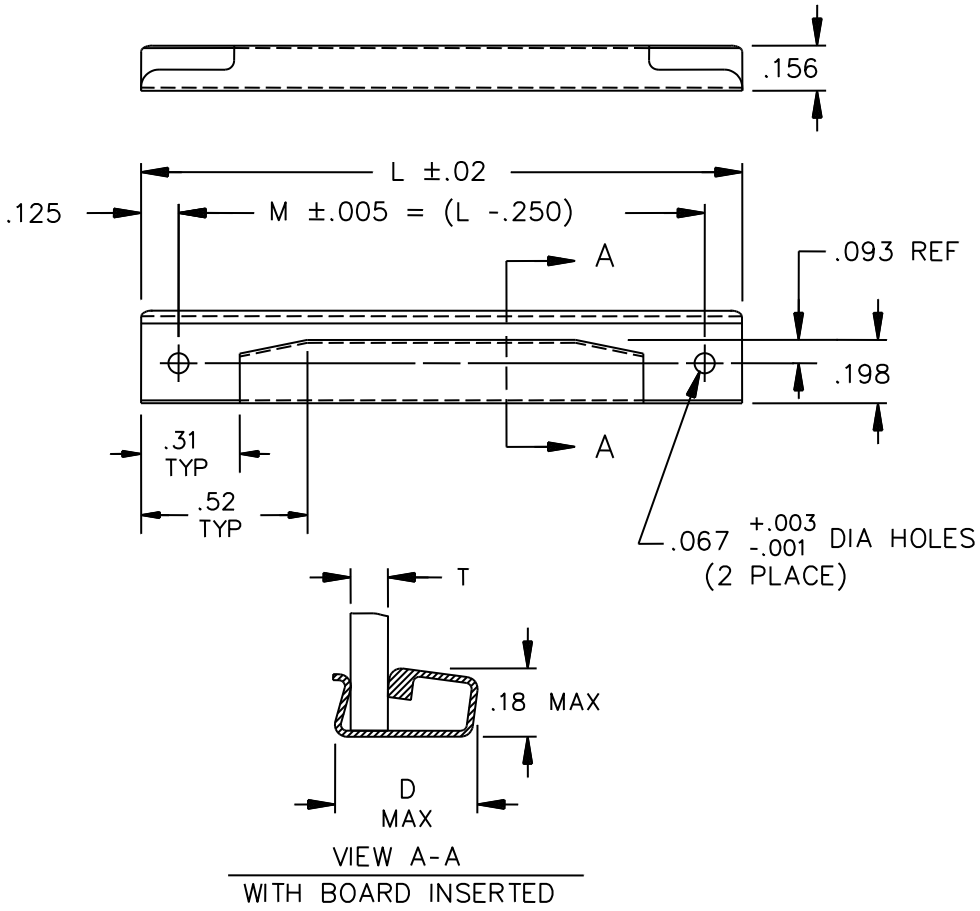
Material type. Materials types shall be defined in A–A–55563. The applicable material type designators for this CID specification sheet are "A" (beryllium copper 1/4 H, temper TD01), "B" (beryllium copper 1/4 HT, temper TH01), or "D" (stainless steel 1/4 H). The material type designator and shall be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

Material thickness. The material thickness shall be .008 inch (0.20 mm).

Card holder width/board thickness. The card holder width/board thickness shall be defined in table I herein and is 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, C, or D 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.



Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm
.001	0.03	.015	0.38	.093	2.36	.180	4.57	.310	7.87
.003	0.08	.020	0.51	.125	3.18	.198	5.03	.520	13.21
.005	0.13	.067	1.72	.156	3.96	.250	6.35		

NOTES:
1. Dimensions are in inches. Millimeters are given for general information only.
2. Unless otherwise specified, tolerances are ±.02 inch (0.51 mm), for 2 places and ±.010 inch (0.25 mm), for 3 places.

FIGURE 1. Card holder design and dimensions.

Mounting hole spacing. Mounting hole spacing is shown on figure 1 as dimension "M". Dimension "M" is listed in table II herein.

TABLE I. Card holder width/board thickness dimensions (see figure 1). 1/

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	.33	8.38	.0312	0.76
B	1/16	.33	8.38	.0625	1.52
C	3/32	.33	8.38	.0937	2.29
D	1/8	.37	9.40	.1250	3.30

1/ See dimensions "D" and "T" in view A – A of 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.

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

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.)

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
61081	Pentair Technical Products (formerly Birtcher) 7328 Trade Street San Diego, CA 92121–3410	Telephone: (858) 740–2400 Toll Free: (800) 854–7086 Facsimile: (858) 679–4555 URL: http://schroff.pentair.com
65884	Sigmation, Incorporated 4549 Gateway Circle Dayton, OH 45440–1792	Tel: (937) 435–2129 Fax: (937) 435–6375 E-mail: sigmation@ameritech.net URL: www.sigmation.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 P/N supersession data.

CID PIN; AA55563/02@#$$& 1/				Manufacturers 2/	
Material type (@)	Card holder width/board thickness (see table I)	Overall length (see table II)	Finish (&) 3/	CAGE 61081 4/	CAGE 65884 5/
A	#	20	&	35–1B–T–4–F	AA55563/02A#20&
A	#	25	&	35–1B–T–5–F	AA55563/02A#25&
A	#	30	&	35–1B–T–6–F	AA55563/02A#30&
A	#	35	&	35–1B–T–7–F	AA55563/02A#35&
A	#	40	&	35–1B–T–8–F	AA55563/02A#40&
A	#	45	&	35–1B–T–9–F	AA55563/02A#45&
A	#	50	&	35–1B–T–10–F	AA55563/02A#50&
A	#	55	&	35–1B–T–11–F	AA55563/02A#55&
A	#	60	&	35–1B–T–12–F	AA55563/02A#60&
A	#	65	&	35–1B–T–13–F	AA55563/02A#65&
A	#	70	&	35–1B–T–14–F	AA55563/02A#70&
A	#	75	&	35–1B–T–15–F	AA55563/02A#75&

See footnotes at end of table.

TABLE III. Commercial P/N supersession data – Continued.

CID PIN; AA55563/02@#$$& 1/				Manufacturers 2/	
Material type (@)	Card holder width/board thickness (see table I)	Overall length (see table II)	Finish (&) 3/	CAGE 61081 4/	CAGE 65884 5/
B	#	20	&	35–1BH–T–4–F	AA55563/02B#20&
B	#	25	&	35–1BH–T–5–F	AA55563/02B#25&
B	#	30	&	35–1BH–T–6–F	AA55563/02B#30&
B	#	35	&	35–1BH–T–7–F	AA55563/02B#35&
B	#	40	&	35–1BH–T–8–F	AA55563/02B#40&
B	#	45	&	35–1BH–T–9–F	AA55563/02B#45&
B	#	50	&	35–1BH–T–10–F	AA55563/02B#50&
B	#	55	&	35–1BH–T–11–F	AA55563/02B#55&
B	#	60	&	35–1BH–T–12–F	AA55563/02B#60&
B	#	65	&	35–1BH–T–13–F	AA55563/02B#65&
B	#	70	&	35–1BH–T–14–F	AA55563/02B#70&
B	#	75	&	35–1BH–T–15–F	AA55563/02B#75&
D	#	20	G	35–1CR–T–4–1	AA55563/02D#20G
D	#	25	G	35–1CR–T–5–1	AA55563/02D#25G
D	#	30	G	35–1CR–T–6–1	AA55563/02D#30G
D	#	35	G	35–1CR–T–7–1	AA55563/02D#35G
D	#	40	G	35–1CR–T–8–1	AA55563/02D#40G
D	#	45	G	35–1CR–T–9–1	AA55563/02D#45G
D	#	50	G	35–1CR–T–10–1	AA55563/02D#50G
D	#	55	G	35–1CR–T–11–1	AA55563/02D#55G
D	#	60	G	35–1CR–T–12–1	AA55563/02D#60&
D	#	65	G	35–1CR–T–13–1	AA55563/02D#65&
D	#	70	G	35–1CR–T–14–1	AA55563/02D#70&
D	#	75	G	35–1CR–T–15–1	AA55563/02D#75&

1/ The at sign (@) denotes material type, the pound sign (#) denotes card holder width/board thickness, dimension "D" (see figure 1 herein), the dollar signs ($$) denotes overall length dimension "L" (see figure 1 herein, and A–A–55563), and the ampersand (&) denotes finish.

EXAMPLE PIN: AA55563/02AB70K describes an electrical card holder, metal card guide, open ended, without flared entry, with 2 offset (side) mounting holes; base material is beryllium copper temper TD01; card holder width/board thickness, dimension "D", is .33 inch (8.38 mm), dimension "T" is .0625 inch (1.52 mm) (to be used with a board thickness of "3/32"; the overall length is 7.0 inches (177.80 mm), dimension "L"; and the card holder has no finish.

TABLE III. Commercial P/N supersession data – Continued.

2/ The manufacturer's P/N shall not be used for procurement to the requirements of this CID. 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 the basic CID.
3/ Finish materials designator "C", "D", "E", "F", "H", "J", "K", or "R" are available for this material type (see finish for a description of the designators).
4/ MFG CAGE 18915 the series type is "35–1" (with flare), the letters "B", "BH", or "CR" denotes material type, the letter "T" denotes card holder width/board thickness, the numbers "4" through "15" denotes card holder lengths, and the last character denotes finish material.
5/ MFG CAGE 65884 catalog PIN's are the same as this CID sheet. See 1/ above.

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:
Navy – EC
Air Force – 85
DLA – CC

Review activity:
Air Force – 99

CIVIL AGENCY COORDINATING ACTIVITY:

GSA – FAS

Preparing Activity

DLA – CC

Project 5998–2016–020

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.