

[INCH-POUND]  
A-A-55563/6D  
6 December 2016  
Superseding  
A-A-55563/6C  
6 December 2011

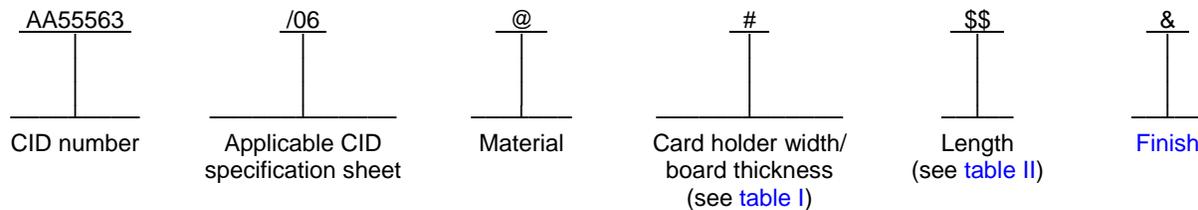
COMMERCIAL ITEM DESCRIPTION  
SPECIFICATION SHEET

HOLDER, ELECTRICAL CARD, METAL CARD GUIDE, LOW PROFILE, OPEN ENDED,  
WITHOUT FLARED ENTRY, WITH 2 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](#)).



Example: AA55563/05DH60H is the PIN for a stainless steel, 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 (2.29 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. 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). The material type designator shall be included in the PIN.

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

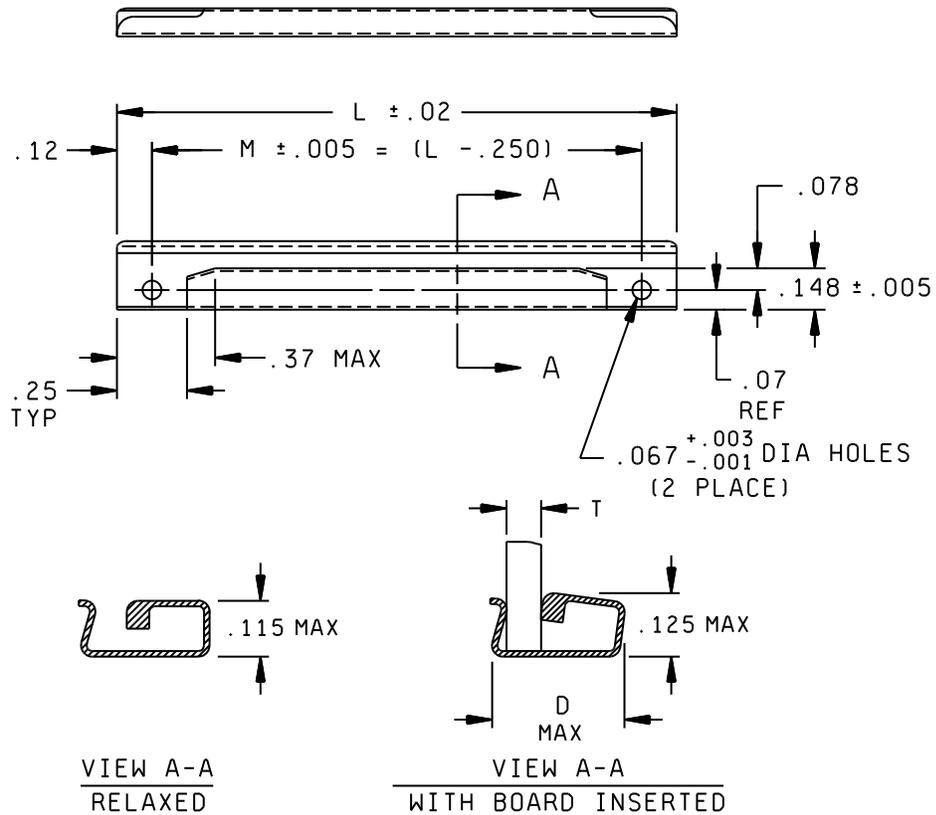
Card holder width/board thickness. The card holder width/board thickness shall be defined in [table I](#) herein and is  
shown on [figure 1](#) as dimensions "D" and "T". The applicable card holder width/board thickness designators for this  
CID specification sheet are A, B, C, and D as specified in [table I](#) 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 "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". 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   |
|--------|------|--------|------|--------|------|--------|------|
| .001   | 0.03 | .067   | 1.70 | .115   | 2.92 | .25    | 6.4  |
| .003   | 0.08 | .07    | 1.8  | .12    | 3.0  | .250   | 6.35 |
| .005   | 0.13 | .078   | 1.98 | .125   | 3.18 | .37    | 9.4  |
| .02    | 0.5  |        |      | .148   | 3.76 |        |      |

**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.

TABLE I. Card holder configurations and dimensions (see [figure 1](#)). <sup>1/</sup>

| PIN designator for card holder width / board thickness | Fractional equivalent | Card holder width <sup>1/</sup> <sup>2/</sup> Dimension "D" max |      | Board thickness <sup>1/</sup> <sup>2/</sup> <sup>3/</sup> Dimension "T" ref |      |
|--|-----------------------|---|------|---|------|
|  |                       | Inches  | mm   | Inches  | mm   |
|  |                       | A   | 1/32 | .27   | 6.85 |
| B  | 1/16                  | .27   | 6.85 | .0625   | 1.52 |
| C  | 3/32                  | .27   | 6.85 | .0937   | 2.29 |
| D  | 1/8                   | .27   | 6.85 | .1250   | 3.30 |

- <sup>1/</sup> Dimensions are in inches. Millimeters are given for general information only.
- <sup>2/</sup> Unless otherwise specified, tolerances are ±.02 inch (0.5 mm) for two place decimals and ±.010 (0.25 mm) for three place decimals.
- <sup>3/</sup> Dimension "T" is given as reference.

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

| PIN designator for overall length | Dimension "L" ±.020 (0.51) |     | Dimension "M" ±.005 (0.13) |       |
|-----------------------------------|----------------------------|-----|----------------------------|-------|
|                                   | Inches                     | mm  | Inches                     | 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                        | 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 |

- <sup>1/</sup> Dimensions are in inches. 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](#) – Holders, 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.)

| <u>Manufacturer<br/>CAGE</u> | <u>Manufacturer name and address</u>   | <u>Manufacturer contact information</u>   |
|------------------------------|--|---|
| 61081                        | Pentair Technical Products<br>(formerly Birtcher)<br>7328 Trade Street<br>San Diego, CA 92121-3410 | Telephone: (858) 740-2400<br>Toll Free: (800) 854-7086<br>Facsimile: (858) 679-4555<br>URL: <a href="http://schroff.pentair.com">http://schroff.pentair.com</a>                         |
| 65884                        | Sigmaton, Incorporated<br>4549 Gateway Circle<br>Dayton, OH 45440-1792                             | Tel: (937) 435-2129<br>Fax: (937) 435-6375<br>E-mail: <a href="mailto:sigmaton@ameritech.net">sigmaton@ameritech.net</a><br>URL: <a href="http://www.sigmaton.com">www.sigmaton.com</a> |

Part number 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; AA55563/06@#\$\$& <a href="#">1/</a> |   |  |                                | Manufacturers <a href="#">2/</a> |                               |
|---|---|--|--------------------------------|----------------------------------|-------------------------------|
| Material type (@)                             | Card holder width/board thickness (see table I) | Overall length designator (see table II) | Finish (& <a href="#">3/</a> ) | CAGE 61081 <a href="#">4/</a>    | CAGE 65884 <a href="#">5/</a> |
| A   | #   | 10                                       | &                              | 35-7B-T-2-F                      | AA55563/06A#10&               |
| A   | #   | 15                                       | &                              | 35-7B-T-3-F                      | AA55563/06A#15&               |
| A   | #   | 20                                       | &                              | 35-7B-T-4-F                      | AA55563/06A#20&               |
| A   | #   | 25                                       | &                              | 35-7B-T-5-F                      | AA55563/06A#25&               |
| A   | #   | 30                                       | &                              | 35-7B-T-6-F                      | AA55563/06A#30&               |
| A   | #   | 35                                       | &                              | 35-7B-T-7-F                      | AA55563/06A#35&               |
| A   | #   | 40                                       | &                              | 35-7B-T-8-F                      | AA55563/06A#40&               |
| A   | #   | 45                                       | &                              | 35-7B-T-9-F                      | AA55563/06A#45&               |
| A   | #   | 50                                       | &                              | 35-7B-T-10-F                     | AA55563/06A#50&               |
| A   | #   | 55                                       | &                              | 35-7B-T-11-F                     | AA55563/06A#55&               |
| A   | #   | 60                                       | &                              | 35-7B-T-12-F                     | AA55563/06A#60&               |
| A   | #   | 65                                       | &                              | 35-7B-T-13-F                     | AA55563/06A#65&               |
| A   | #   | 70                                       | &                              | 35-7B-T-14-F                     | AA55563/06A#70&               |
| A   | #   | 75                                       | &                              | 35-7B-T-15-F                     | AA55563/06A#75&               |
| B   | #   | 10                                       | &                              | 35-7B-T-2-F                      | AA55563/06B#10&               |
| B   | #   | 15                                       | &                              | 35-7B-T-3-F                      | AA55563/06B#15&               |
| B   | #   | 20                                       | &                              | 35-7BH-T-4-F                     | AA55563/06B#20&               |
| B   | #   | 25                                       | &                              | 35-7BH-T-5-F                     | AA55563/06B#25&               |
| B   | #   | 30                                       | &                              | 35-7BH-T-6-F                     | AA55563/06B#30&               |
| B   | #   | 35                                       | &                              | 35-7BH-T-7-F                     | AA55563/06B#35&               |
| B   | #   | 40                                       | &                              | 35-7BH-T-8-F                     | AA55563/06B#40&               |
| B   | #   | 45                                       | &                              | 35-7BH-T-9-F                     | AA55563/06B#45&               |
| B   | #   | 50                                       | &                              | 35-7BH-T-10-F                    | AA55563/06B#50&               |
| B   | #   | 55                                       | &                              | 35-7BH-T-11-F                    | AA55563/06B#55&               |
| B   | #   | 60                                       | &                              | 35-7BH-T-12-F                    | AA55563/06B#60&               |
| B   | #   | 65                                       | &                              | 35-7BH-T-13-F                    | AA55563/06B#65&               |
| B   | #   | 70                                       | &                              | 35-7BH-T-14-F                    | AA55563/06B#70&               |
| B   | #   | 75                                       | &                              | 35-7BH-T-15-F                    | AA55563/06B#75&               |

See footnotes at end of table.

TABLE III. Commercial part number supersession data – Continued.

| CID PIN; AA55563/06@#\$\$& <u>1/</u> |   |  |                      | Manufacturers <u>2/</u> |                      |
|--------------------------------------|---|--|----------------------|-------------------------|----------------------|
| Material type (@)                    | Card holder width/board thickness (see table I) | Overall length designator (see table II) | Finish (&) <u>3/</u> | CAGE 61081 <u>4/</u>    | CAGE 65884 <u>5/</u> |
| D                                    | #   | 10                                       | G                    | 35-7CR-T-2-1            | AA55563/06D#10G      |
| D                                    | #   | 15                                       | G                    | 35-7CR-T-3-1            | AA55563/06D#15G      |
| D                                    | #   | 20                                       | G                    | 35-7CR-T-4-1            | AA55563/06D#20G      |
| D                                    | #   | 25                                       | G                    | 35-7CR-T-5-1            | AA55563/06D#25G      |
| D                                    | #   | 30                                       | G                    | 35-7CR-T-6-1            | AA55563/06D#30G      |
| D                                    | #   | 35                                       | G                    | 35-7CR-T-7-1            | AA55563/06D#35G      |
| D                                    | #   | 40                                       | G                    | 35-7CR-T-8-1            | AA55563/06D#40G      |
| D                                    | #   | 45                                       | G                    | 35-7CR-T-9-1            | AA55563/06D#45G      |
| D                                    | #   | 50                                       | G                    | 35-7CR-T-10-1           | AA55563/05D#50G      |
| D                                    | #   | 55                                       | G                    | 35-7CR-T-11-1           | AA55563/05D#55G      |
| D                                    | #   | 60                                       | G                    | 35-7CR-T-12-1           | AA55563/05D#60G      |
| D                                    | #   | 65                                       | G                    | 35-7CR-T-13-1           | AA55563/05D#65G      |
| D                                    | #   | 70                                       | G                    | 35-7CR-T-14-1           | AA55563/05D#70G      |
| D                                    | #   | 75                                       | G                    | 35-7CR-T-15-1           | AA55563/05D#75G      |

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

**EXAMPLE:** PIN AA55563/06AC20D represents a metal card guide, closed 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 .0937 inch (2.29 mm), commonly known as having a board thickness of "3/32" the overall length is 2.0 inches (50.80 mm), dimension "L"; and the finish is black ebonal.

- 2/ The manufacturer's P/N 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", "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 61081 the series type is "35-7", 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 letter "F" denotes finish material.
- 5/ MFG CAGE 65884 catalog PIN's are the same as this CID sheet. The character "#" denotes the card holder width/board thickness and needs to be replaced with the appropriate PIN designator from table I. The character "&" finish material and shall be replaced with the appropriate PIN designator (see finish). 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:  
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: 5998-2017-006

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