

[METRIC]
A-A-55480A
8 August 2002
SUPERSEDING
A-A-55480
7 December 1993

COMMERCIAL ITEM DESCRIPTION

CONNECTORS, PIN AND RECEPTACLE, ELECTRICAL, RECTANGULAR, RACK AND PANEL, DUST COVER

The General Services Administration has authorized
the use of this Commercial Item Description (CID).

1. SCOPE. This CID covers the general requirements for connectors, pin and receptacle, electrical, rectangular, rack and panel, dust cover. Connectors, pin and receptacle, electrical, rectangular, rack and panel, dust cover is intended for commercial/industrial applications. This dust cover is for MIL-DTL-28748/9 and /10 connectors and can be used in applications that require a high-density polyethylene dust cover.

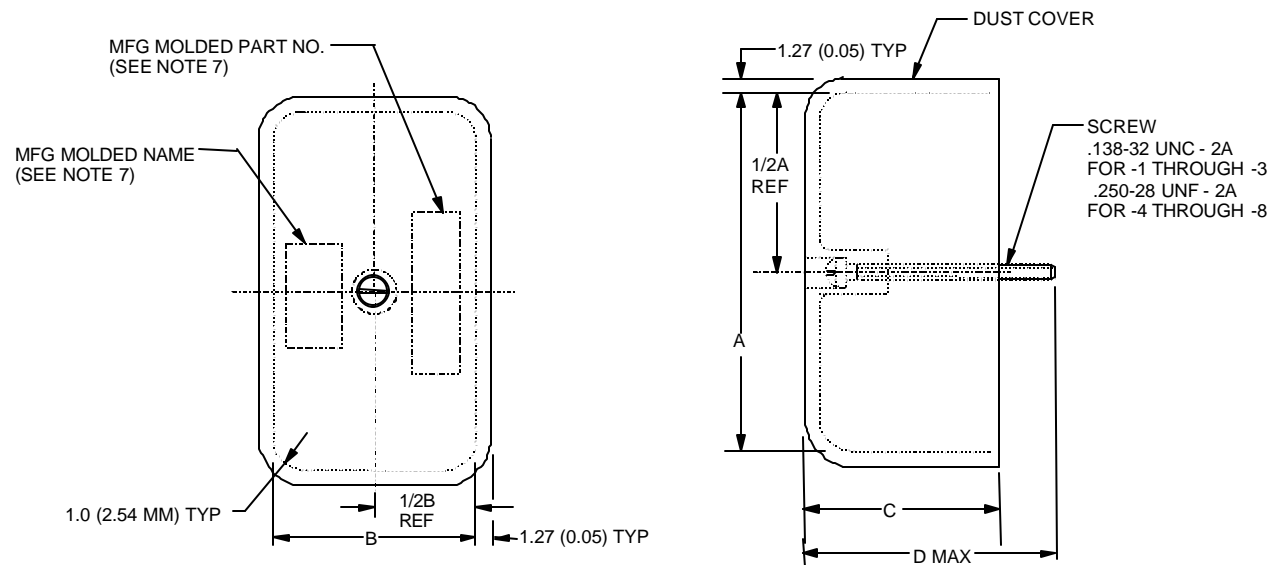
2. CLASSIFICATION. This CID uses a classification system, which is included in the Part Identification Number (PIN) as shown in the following example (see 7.1).

PIN. The PIN for the CID shall be as shown in the following example:

<u>A-A-55480</u> _____ CID number	-	<u>01</u> _____ Dash number (see table I)
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Beneficial comments, recommendations, additions, deletions, clarifications, etc., and any data which may improve this document should be sent to: Defense Supply Center Columbus, ATTN: DSCC-VAI, Post Office Box 3990, Columbus, Ohio 43216-5000, telephone (614-692)-0538, or facsimile (FAX) (614) 692-6940

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NOTES:

1. Dimensions are in millimeters.
2. Inches are in parentheses.
3. Unless otherwise specified, tolerance is ± 0.76 millimeter (.030 inch).
4. The US Government preferred system of measurement is the metric SI system. However, this item was originally designed using inch-pound units of measurement. In the event of conflict between the metric and inch-pound units, the inch-pound units shall take precedence.
5. Dimensions A and B are measured at the opening, with 1.5° draft acceptable.
6. An inward or outward bow of 0.76 millimeter (.030 inch) is acceptable at A and B dimensions.
7. Manufacturer's molded PIN and name location is optional.

Figure 1. Design, construction, and dimensions.TABLE I. Ordering data.

CID dash number A-A-55480-	A mm (Inch)	B mm (Inch)	C mm (Inch)	D mm (Inch)	For reference connector size
01	24.6 (.97)	12.2 (.48)	25.4 (1.00)	35.6 (1.40)	10
02	24.6 (.97)	18.8 (.74)	25.4 (1.00)	35.6 (1.40)	20
03	36.1 (1.42)	18.8 (.74)	25.4 (1.00)	35.6 (1.40)	36
04	39.9 (1.57)	25.4 (1.00)	32.3 (1.27)	43.3 (1.70)	52
05	43.4 (1.71)	32.0 (1.26)	32.3 (1.27)	43.3 (1.70)	80
06	55.1 (2.17)	32.0 (1.26)	32.3 (1.27)	43.3 (1.70)	104
07	55.1 (2.17)	45.0 (1.77)	32.3 (1.27)	43.3 (1.70)	158
08	55.1 (2.17)	58.4 (2.30)	32.3 (1.27)	43.3 (1.70)	212

3 SALIENT CHARACTERISTICS.

3.1 Interface and physical dimensions. Connectors, pin and receptacle, electrical, rectangular, rack and panel, dust cover supplied to this CID shall be as specified herein see figure 1 and table I.

3.2 Material.

3.3 Dust cover. Dust covers are molded from a high-density polyethylene (color green), for durability and strength.

3.4 Screw. Stainless steel 300-series.

3.5 Finish. Screw passivate shall be in accordance with AMS-QQ-P-35.

3.6 Marking. Connectors, pin and receptacle, electrical, rectangular, rack and panel, dust cover supplied to this CID shall be marked with the manufacturer's (MFR's) standard commercial PIN.

4. REGULATORY REQUIREMENTS. The offer/contractor is encouraged to use recovered materials to the maximum extent practicable, in accordance with 23.403 of the Federal Acquisition Regulation (FAR).

5. PRODUCT CONFORMANCE PROVISIONS.

5.1 Product conformance. The products provided shall meet the salient characteristics of this CID, conform to the producer's own drawings, specifications, standards, and quality assurance practices, and be the same product offered for sale in the commercial market. The Government reserves the right to require proof of such conformance.

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6. PACKAGING. Preservation, packing, and marking shall be as specified in the contract or order.

7. NOTES.

7.1 PIN. The PIN should be used for Government purposes to buy commercial products to this CID. See section 2 for PIN format example.

7.2 Commercial and Government Entity (CAGE) code. For ordering purposes, inventory control, and submission of these connectors, pin, electrical, rectangular, rack and panel, pin protector to DSCC under the Military Parts Advisory Group (MPCAG) evaluation program, CAGE code 58536 should be used.

7.3 Source of documents.

Military Specifications

MIL-DTL-28748/9 - Connectors, Receptacle, Electrical, Rectangular, Rack and Panel, Polarized Center Jackscrew or Guidepin Style, Crimp Type Removable Pin Contacts, Size 16.

MIL-DTL-28748/10 - Connectors, Receptacle, Electrical, Rectangular, Rack and Panel, Polarized Center Jackscrew or Guidepin Style, Crimp Type Removable Socket Contacts, Size 16.

(Copies of federal and military specifications are available from the Standardization Documents Order Desk, Building 4D, 700 Robbins Avenue, Philadelphia, PA 19111-5094.)

Society of Automotive Engineers Inc. (SAE)

AMS-QQ-P-35 - Passivation Treatments for Corrosion-Resistant Steel.

(Applications for copies should be addressed to the Society of Automotive Engineers, Inc., 400 Commonwealth Drive, Warrendale, PA 15096-0001.)

7.4 Ordering data. The contact or order should specify the following:

- a. CID document number, revision and CID PIN.
- b. Product conformance provisions.
- c. Packaging requirements.
- d. Color (if applicable).

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7.5 Commercial products. As part of the market analysis and research effort, this CID was coordinated with the following manufacturers or commercial products. At the time of CID preparation and coordination, this manufacturer was known to have commercial products that would meet the requirements of this CID. (NOTE: This information should not be considered as a list of approved manufacturers or be used to restrict procurement to the only manufacturer shown.)

<u>MFR's CAGE</u>	<u>MFR's name and address</u>
53669	Packard Hughes Interconnect 17150 Von Karman Avenue Irvine, CA 92713-9685

7.6 Part number (P/N) supersession data. These CID PINs supersede the following MFR's P/N's as shown. This information is being provided to assist in reducing proliferation in the Government inventory system.

TABLE II. Suggested sources of supply.

CID dash number A-A-55480-	MFR's CAGE	MFR's PIN <u>1/</u>
01	53669	MAC0010C000
02	53669	MAC0020C000
03	53669	MAC0036C000
04	53669	MAC0052C000
05	53669	MAC0080C000
06	53669	MAC0104C000
07	53669	MAC0158C000
08	53669	MAC0212C000

1/ The manufacturer's PIN 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 PIN shown. For actual part marking requirements see 3.6.

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7.7 Government users. To acquire information on obtaining these pin, electrical, rectangular, rack and panel, pin protector from the Government inventory system, contact the Defense Supply Center Columbus, ATTN: DSCC-CDAB, Post Office Box 3990, Columbus, OH 43216-5000, or telephone (614) 692-7749.

TABLE III. Quick cross-reference.

CID dash number A-A-55480-	MIL-DTL-28748/9 and /10 insert designator	Connector size
01	A or J	10
02	B or K	20
03	C or L	36
04	D or M	52
05	E or N	80
06	F or P	104
07	G or R	158
08	H or S	212

7.9 National stock number (NSN). The following is a list of NSN's assigned which correspond to this CID. The list is for information only and may not be indicative of all possible NSN's associated with the CID. For up to date information on assigned NSN's, please contact the aforementioned DSCC office (See 7.7).

MILITARY INTERESTS:

CIVIL AGENCY COORDINATING ACTIVITY:

Custodians:

Navy - EC

GSA - 7FXE

Preparing Activity:

DLA - CC

Project 5935-4507