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[INCH-POUND]
A-A-55485D
11 April 2011
SUPERSEDING
A-A-55485C
7 March 2003

COMMERCIAL ITEM DESCRIPTION

MOUNTING PADS, ELECTRICAL-ELECTRONIC COMPONENT, GENERAL REQUIREMENTS FOR

The General Services Administration has authorized the use of this commercial item description (CID) for all federal agencies.

1. SCOPE. This CID covers the general requirements for electrical-electronic component mounting pads. Requirements for specific mounting pads are covered in the individual CID specification sheets. Mounting pads covered by this CID are intended for commercial/industrial applications.

2. CLASSIFICATION/PART OR IDENTIFICATION NUMBER (PIN). This CID uses a classification system which is included in the (PIN) as shown in the following example (see 7.1).

A-55485	/01	-030	D
CID number	Applicable CID spec sheet (two digits)	Dash number (see applicable CID spec sheet)	Material code (see table I and applicable CID spec sheet)

3. SALIENT CHARACTERISTICS.

3.1 Interface and physical dimensions. Mounting pads supplied to this CID shall be as specified on the applicable CID specification sheet.

3.2 CID specification sheet. The family of mounting pads shall be in accordance with the requirements specified herein and the applicable CID specification sheet. In the event of a conflict between this general CID and the applicable CID specification sheet, the latter shall govern.

3.3 Materials. Materials shall be as specified in table I and on the applicable CID sheet or equivalent

3.4 Color. Unless otherwise specified in the acquisition document, the color of the pads is optional at the discretion of the manufacturer. Exception: Nylon (type N) pads shall not be black.

Beneficial comments, recommendations, additions, deletions, clarifications, etc., and any data that may improve this document should be sent to: DLA Land and Maritime, ATTN: VA**T**, P.O. Box 3990, Columbus OH 43218–3990, or email Relay@dla.mil. Since contact information can change you may want to verify the currency of the address information using the ASSIST Online database at https://assist.daps.dla.mil/.

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3.5 Feet. Unless otherwise specified in the applicable CID sheet, feet shape may be either cylindrical or spherical at the option of the manufacturer.

3.6 Gate protrusion. Gate protrusion (filling point of mold) shall not exceed .010 inch (0.25 mm) over the maximum outside diameter of the pad.

3.7 Through-hole flash. For parts made of all materials except DAP, the flash ring shall not extend into any through-hole more than .005 inch (0.13 mm). The maximum flash ring for DAP parts shall be .002 inch (0.05 mm).

3.8 Through-hole countersink. A countersink is optional at the discretion of the manufacturer. If provided, the dimensions of the countersink shall be as specified in the applicable CID specification sheet.

3.9 Marking. Mounting pads supplied to this CID shall be marked with the manufacturer's (MFR's) standard commercial PIN. (NOTE: The part number marked on the unit pack shall be the CID PIN.)

3.10 Recycled, recovered, or environmentally preferable materials. Recycled, recovered, or environmentally preferable materials should be used to the maximum extent possible provided that the material meets or exceeds the operational and maintenance requirements, and promotes economically advantageous life cycle costs.

3.11 Workmanship. Mounting pads shall be processed in such a manner as to be uniform in quality and shall be free from other defects that will affect life, serviceability, or appearance.

TABLE I. Materials.

Material code	Material	Reference document	Applicable CID sheet A-A-55485/
A	Acetal, plastic molding	ASTM D6778	11
C	Polybutytherephthalate (PBT) thermoplastic polyester 30% nominal glass fiber, flame retardant or equivalent	N/A	6, 11
D	Diallyl phthalate (DAP), thermosetting, short glass fiber filler, general purpose	N/A	1, 2, 3, 4, 5, 6, 7, 10
N	Nylon	ASTMD6779 – Standard Classification System for Polyamide Molding and Extrusion Materials , table PA; PA0110	1, 2, 3, 4, 5, 6, 7, 10
S	Polyphenylene sulfide, PPS000G40A43443EA117ED 041EE020	ASTM D4067	5

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

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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.

5.2 Responsibility for inspection. Unless otherwise specified in the contract or order, the manufacturer is responsible for the performance of all inspections, examinations, and test requirements specified herein. Except as otherwise specified in the contract or purchase order, the manufacturer may use his own or any other facilities suitable for the inspection requirements specified herein, unless disapproved by the Government. The Government reserves the right to perform any of the inspections, examinations, or tests set forth in this description where they are deemed necessary to assure that the products conform to prescribed requirements.

5.3 Certificates of compliance. Each manufacturer desiring to be listed as a suggested source of supply (see applicable CID sheet) shall submit a DLA Land and Maritime certificate of compliance to DLA Land and Maritime-VAT. This certificate shall state that the manufacturer's product meets all the requirements of this CID. In addition, a certificate of compliance shall accompany all mounting pads supplied to this CID.

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 Environmentally preferable material. Environmentally preferable materials should be used to the maximum extent possible to meet the requirements of this specification. As of the dating of this document, the U.S. Environmental Protection Agency (EPA) is focusing efforts on reducing 31 priority chemicals. The list of chemicals and additional information is available on their website http://www.epa.gov/osw/hazard/wastemin/priority.htm. Included in the EPA list of 31 priority chemicals are cadmium, lead, and mercury. Use of these materials should be minimized or eliminated unless needed to meet the requirements specified herein (see Section 3).

7.3 Commercial and Government Entity (CAGE) code. For ordering purposes, inventory control, and submission of these mounting pads to DLA Land and Maritime under the Military Parts Control Advisory Group (MPCAG) evaluation program, CAGE code 58536 should be used.

7.4 Source of documents.

AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

ASTM D4067 - Standard Specification for Reinforced and Filled Polyphenylene Sulfide.

ASTM D6778 - Standard Specification for Polyoxymethylene (POM, Acetal) Molding and Extrusion Materials.

ASTM D6779 Standard Specification for Polyamide Molding and Extrusion Materials (PA).

(Application for copies should be addressed to ASTM International, PO Box C700, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959.)

(Industry association specifications and standards are generally available for reference from libraries. They are also distributed among technical groups and using Federal agencies.)

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7.5 Ordering data. The contract or order should specify the following:

a. CID document number, revision, and CID PIN.

b. Product conformance provisions.

c. Packaging requirements.

7.6 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

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - 7FXE

Preparing Activity:

DLA-CC

(Project 5999-2011-001)

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