

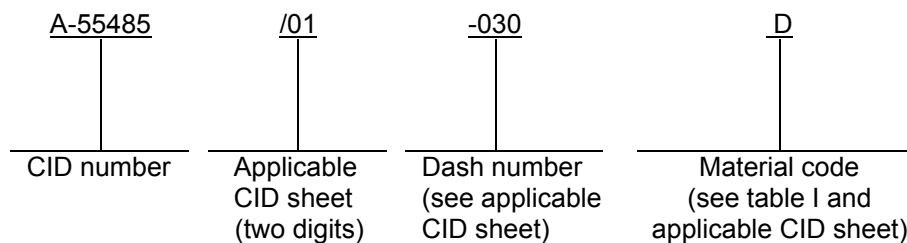
[INCH-POUND]
 A-A-55485C
 7 March 2003
 SUPERSEDING
 A-A-55485B
 1 February 1999

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 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 Part Identification Number (PIN) as shown in the following example (see 7.1).



3. SALIENT CHARACTERISTICS.

- 3.1 Interface and physical dimensions. Mounting pads supplied to this CID shall be as specified on the applicable CID sheet.
- 3.2 Marking. Mounting pads supplied to this CID shall be marked with the manufacturer's (MFR's) standard commercial PIN.
- 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.
- 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.

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 VAT, Post Office Box 3990, Columbus OH 43216-5000, or telephone (614) 692-0554, or facsimile (FAX) (614) 692-6939.

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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 sheet.

TABLE I. Materials.

Material Code	Material	Reference document	Applicable CID sheet A-A-55485/
A	Acetal, plastic molding	ASTM D4181	11
C	Polybutyterephthalate (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	ASTMD4066, group I or II	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).

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 DSCC certificate of compliance to DSCC-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.

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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 mounting pads to DSCC under the Military Parts Control Advisory Group (MPCAG) evaluation program, CAGE code 58536 should be used.

7.3 Source of documents.

AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

ASTM D4066 - Standard Specification for Nylon Injection and Extrusion Materials (PA).

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

ASTM D4181 - Standard Specification for Acetal (POM).

(Application for copies should be addressed to the American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103.)

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

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

- a. CID document number, revision, and CID PIN.
- b. Quality assurance provisions.
- c. Packaging requirements.

7.5 Government users. To acquire information on obtaining these pads from the Government inventory system, contact Defense Supply Center Columbus, ATTN: DSCC-CNBG, P.O. Box 3990, Columbus, OH 43216-5000, or telephone (614) 692-7962.

MILITARY INTERESTS:

Custodians

Army - CR
Navy - EC
Air Force - 11

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - 7FXE

Preparing Activity:

DLA-CC

(Project 5999-0389)