

INCH-POUND

MIL-DTL-28754/39D  
14 May 2015  
SUPERSEDING  
MIL-C-28754/39C  
23 March 1994

DETAIL SPECIFICATION SHEET

CONNECTORS, ELECTRICAL, MODULAR, CONNECTOR,  
TYPE III, KEYING PEGS

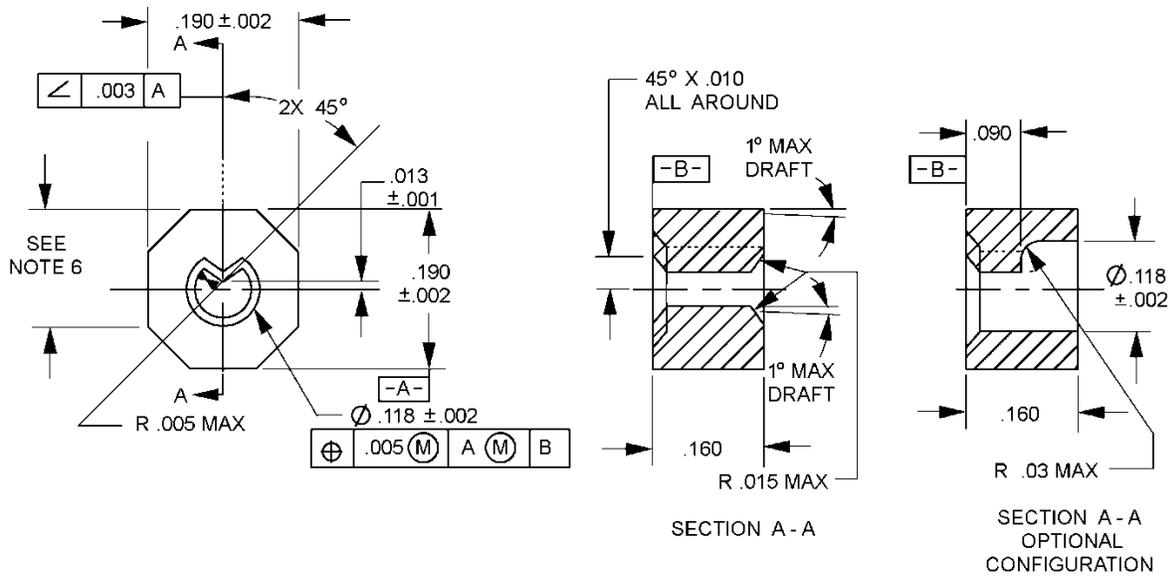
This specification is approved for use by all Departments and Agencies of the Department of Defense.

The requirements for acquiring the product described herein shall consist of this specification sheet and MIL-C-28754.

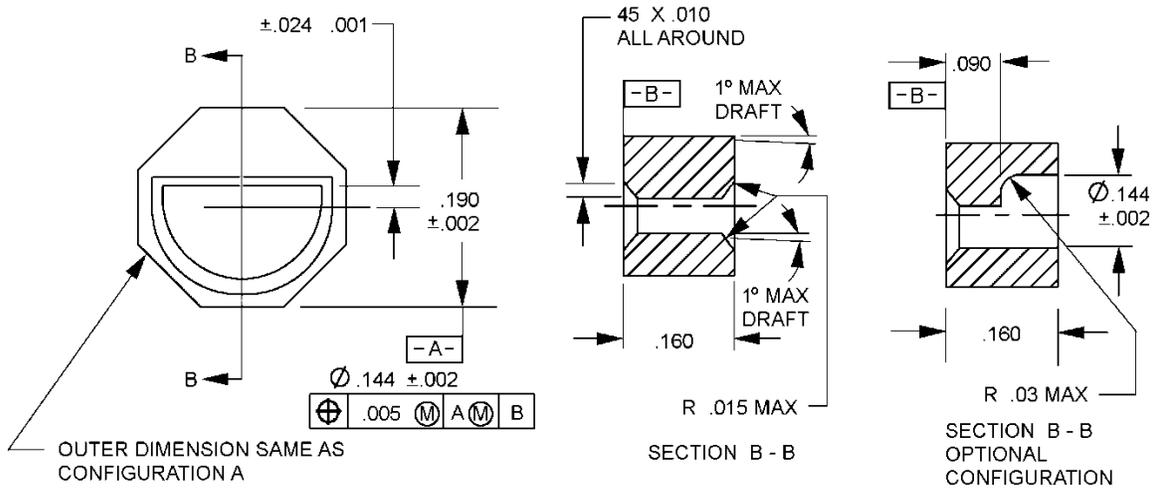
AMSC N/A

FSC 5935



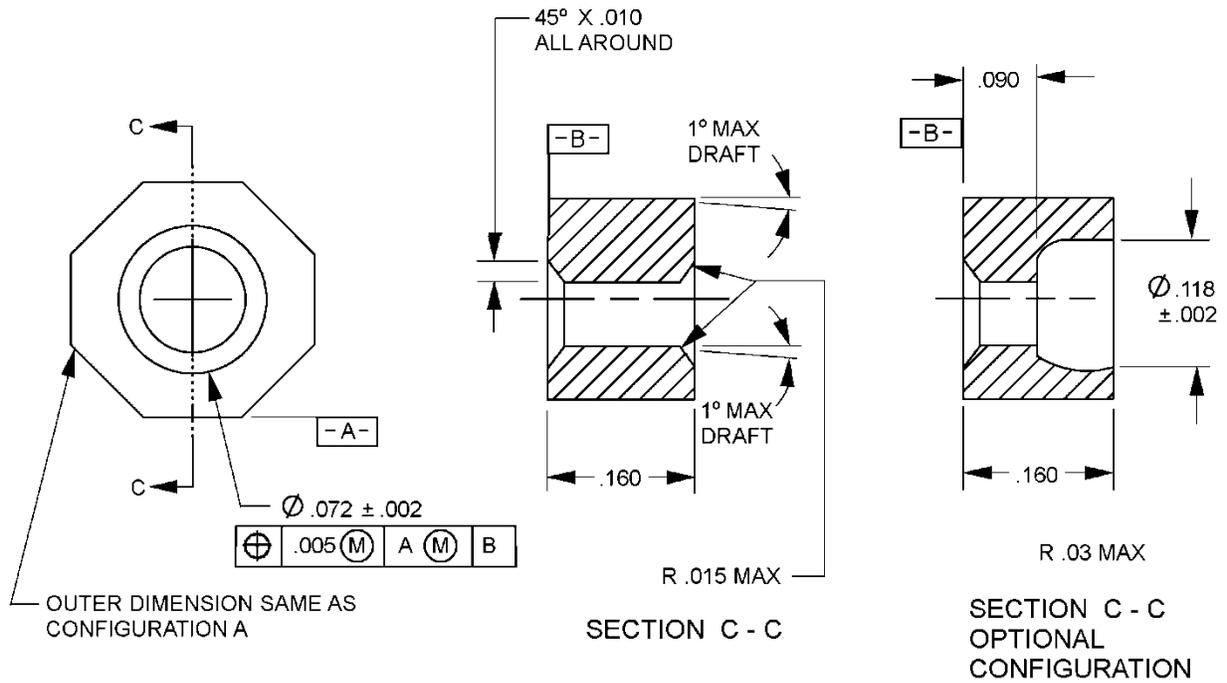


CONFIGURATION A (-01 AND -04)



CONFIGURATION B (-02 AND -05)

FIGURE 1. Dimensions and configurations.



CONFIGURATION C ( -03 AND -06 )

| Inches | mm  | Inches | mm  | Inches | mm   | Inches | mm   |
|--------|-----|--------|-----|--------|------|--------|------|
| .001   | .03 | .010   | .25 | .072   | 1.83 | .160   | 4.06 |
| .002   | .05 | .015   | .38 | .090   | 2.29 | .190   | 4.83 |
| .003   | .08 | .024   | .61 | .118   | 3.00 |        |      |
| .005   | .13 | .030   | .76 | .144   | 3.66 |        |      |

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only and are based upon 1.00 inch = 25.4 mm.
3. Unless otherwise specified, inside corners .005 R maximum.
4. Dimensions shown do not include draft. Maximum draft of one degree will be permitted.
5. Unless otherwise specified, tolerances are ±.005 inch (.13 mm) on three place decimals, ± .01 inch (.3 mm) on two place decimals and ± 2° on angles.
6. The geometric configuration is an octagon consisting of eight equal sides.

FIGURE 1. Dimensions and configurations – Continued.

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REQUIREMENTS:

Dimensions and configurations: See table I and figure 1.

Material: Polycarbonate in accordance with ASTM D3935, PC110B30720E01F02, or ASTM B525, grade II, type 1.

Keying pegs: These keying pegs are inserted into the female polarizing bushing covering by outline "C" of MIL-DTL-28754/37, and mate up with keying pins per MIL-DTL-28754/24. Method of retention in the female polarizing bushing shall be specified in the backplane assembly drawing.

Marking: In accordance with MIL-C-28754.

Part or Identifying Number (PIN): M28754/39- (dash number from table I).

TABLE I. Dash numbers and characteristics.

| Dash no. | Figure no. | Material       | MIL-DTL-28754/24 mating keying pin |
|----------|------------|----------------|------------------------------------|
| 001      | 1A         | Polycarbonate  | M28754/24-03                       |
| 002      | 1B         |                | M28754/24-01 or 02                 |
| 003      | 1C         |                | Not applicable                     |
| 004      | 1A         | Sintered metal | M28754/24-03                       |
| 005      | 1B         |                | M28754/24-01 or 02                 |
| 006      | 1C         |                | Not applicable                     |

First article testing: Perform the applicable tests as specified in MIL-C-28754 and the appendix thereto.

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 previous issue.

Referenced documents. In addition to MIL-C-28754, this document references the following:

- MIL-DTL-28754/24
- MIL-DTL-28754/37
- ASTM D3935
- ASTM B525

MIL-DTL-28754/39D

CONCLUDING MATERIAL

Custodians:

Army – CR  
Navy – AS  
Air Force – 85  
DLA - CC

Preparing activity:  
DLA - CC

(Project 5935-2015-128)

Review activities:

Army – AR, MI  
Navy – MC, YD  
Air Force – 99

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/>.