

INCH-POUND

MIL-DTL-32385/6

14 July 2011

SUPERSEDING

MS90335D

5 January 1996

DETAIL SPECIFICATION SHEET

CONNECTOR, PLUG, CENTER CONTACT POSITIVE, PRINTED CIRCUIT BOARD APPLICATION

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, MIL-DTL-32385, and QPL-32385.

INTENDED USE:

1. The connector covered by this specification sheet is intended for use on control and instrument panels for aircraft, ground, and shipboard applications.

REQUIREMENTS:

1. Material: Material shall be in accordance with MIL-DTL-32385.
2. Finish: Finish shall be in accordance with MIL-DTL-32385.
3. Design: Design shall be in accordance with MIL-DTL-32385.

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NOTES:

1. The part or identifying number (PIN) consists of the letters MS, the specification number, and the dash number taken from table 1.

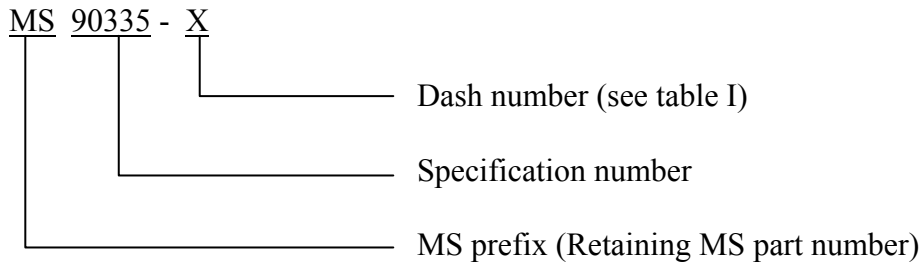
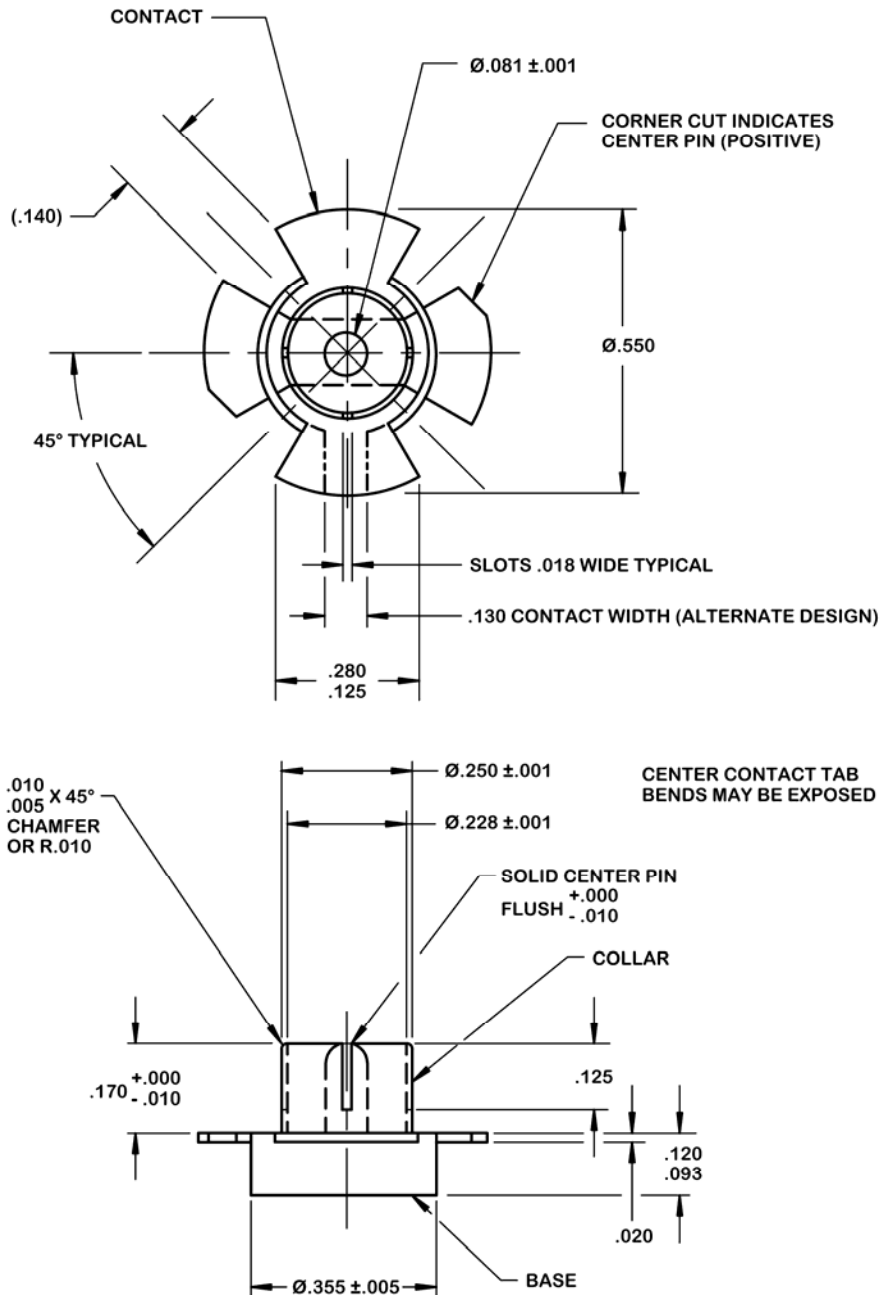


TABLE I. Dash number PIN cross-reference data.

Dash number	MS90335D PIN	MIL-DTL-32385/6 PIN
-8	MS90335-8	MS90335-8

2. Interpret figure in accordance with ASME Y14.5.
3. Collar shall have a minimum of four slots and a maximum of six slots.
4. All four contacts should be fully soldered to a printed circuit board when installed onto panel. Variations in solder tab size, 0.126 - 0.280 inch, are intended to allow for space limitations. The larger tab shown on figure 1 is preferred and should be incorporated into new designs when practical.
5. An optional construction plug collar that screws into the base may be offered, providing mating interface dimensions are maintained. Final part assembly shall be performed using a conductive cement and shall maintain 0.130 - 0.135 inch insertion depth into female receptacle.
6. The current loading of the connectors is limited to the current-carrying capacity of the wire used in the associated interconnecting cabling.
7. In the event of a conflict between the text of this document and the references cited herein, the text of this document takes precedence.
8. Unless otherwise specified, issues of reference documents are those in effect at the time of solicitation.
9. Interchangeability relationship: MS90335-8 and MIL-DTL-32385/6 parts are universally, functionally and dimensionally interchangeable.

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NOTES:

1. All dimensions are in inches.
2. Tolerances: Dimensions ± 0.005 unless otherwise specified.
Angles ± 3 degrees unless otherwise specified.

FIGURE 1. Connector, plug, center contact positive, printed circuit board application.

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Custodians:

Army - AV
Navy - AS
Air Force - 85
DLA - GS

Preparing Activity:

DLA - GS2

(Project 5935-2011-036)

Review Activities:

Navy - MC, SH

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 database at <https://assist.daps.dla.mil/>.