

INCH-POUND

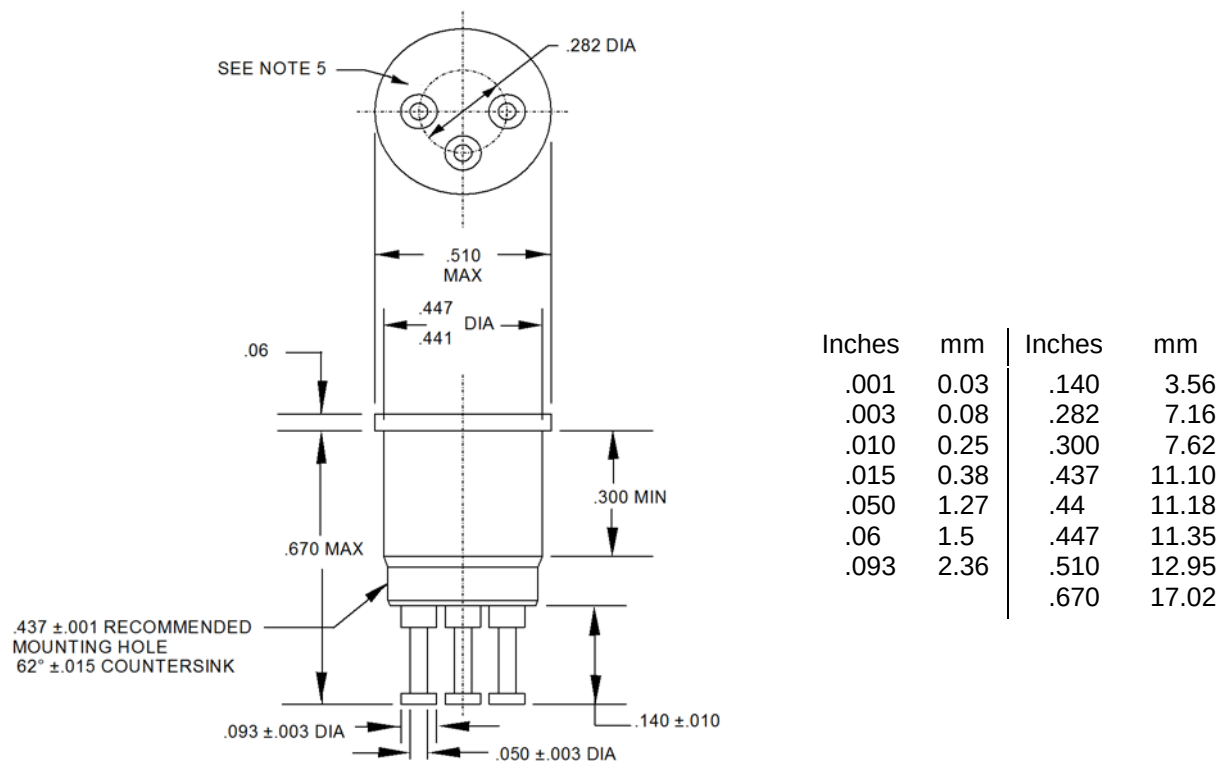
MIL-DTL-83502/3E
w/AMENDMENT 1
10 January 2014
SUPERSEDING
MIL-DTL-83502/3E
10 February 2004

DETAIL SPECIFICATION SHEET

SOCKETS PLUG-IN ELECTRONIC COMPONENTS,
ROUND STYLE (T08)

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-DTL-83502.



NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Unless otherwise specified, tolerance is ±.005 inch (0.13 mm).
4. Device to accept leads; .030 ±.003 inch (0.76 ±0.08 mm) diameter X .250 inch (6.35 mm). Contact shall be made at or before reaching a depth of .190 inch (4.83 mm).
5. All other marking shall be on the package.

FIGURE 1. Dimensions and configurations.

MIL-DTL-83502/3E
w/AMENDMENT 1

TABLE I. Dash numbers and characteristics.

Dash number M83502/3-	Number of contacts	Termination type	Mating force (maximum) lbs (kg)	Retention force (minimum) lbs (kg)
001	3	IV	8.0 (3.63)	8.5 (3.86)

REQUIREMENTS

Dimensions and configurations: See figure 1 and table I.

Reference material: See MIL-DTL-83502.

Body: Shall be TFE-fluorocarbon rod in accordance with ASTM D1710.

Contact: Beryllium copper in accordance with ASTM B139/B139M, ASTM B194, ASTM B103/B103M, or UNS C729000 spinodal alloy in accordance with ASTM B740.

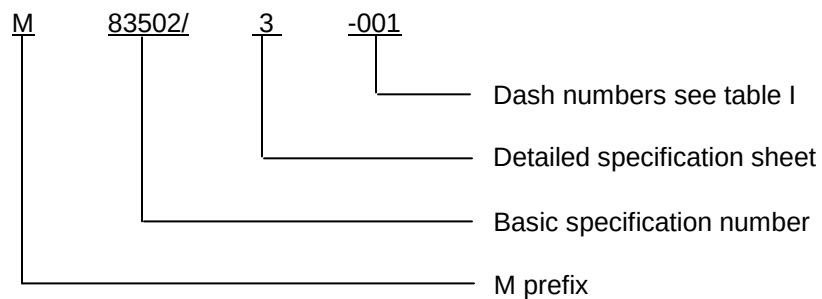
Contact finish: Gold, 30 microinches (0.76 μ m) minimum over nickel in accordance with MIL-DTL-83502.

Terminal: Brass in accordance with ASTM B16/B16M.

Sleeve finish: Gold over nickel plating in accordance with MIL-DTL-83502.

Part or Identifying Number (PIN): The PIN shall consist of the M prefix letter, basic specification number, number of this specification sheet, and the dash number from table I.

Example:



MIL-DTL-83502/3E
w/AMENDMENT 1

The Government PIN, specified in table II, supersedes the following commercial PIN.

TABLE II. Supersession and cross reference data.

Active Government PIN	CAGE 91506
M83502/3-001	M8070-1G1

Amendment notations. The margins of this specification are marked with vertical lines to indicate modifications generated by this amendment. 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.

Referenced documents. In addition to MIL-DTL-83502, this document references the following:

ASTM B16/B16M
ASTM B103/B103M
ASTM B139/B139M
ASTM B194
ASTM B740
ASTM D1710
UNS C72900

CONCLUDING MATERIAL

Custodians:

Army - CR
Navy - EC
Air Force - 85
DLA - CC

Preparing activity:
DLA - CC

(Project 5935-2013-181)

Review activities:

Army - AR, AT, AV, CR4, MI
Navy - AS, MC, SH
Air Force - 19, 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 data at <https://assist.dla.mil/>.