DETAIL SPECIFICATION SHEET


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-83723.

### MIL-DTL-83723/84F
w/AMENDMENT 1

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NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Unless otherwise specified, tolerances are ±.005 (0.13 mm) for three place decimals and ±.01 (0.25 mm) for two place decimals and ±1° for all angles.
4. Coupling indicator line shall be color coded red.
5. Rear accessory interchangeability dimensions shall be in accordance with MIL-DTL-83723.
6. Shell size 8 will not mate with MIL-DTL-26500 connectors.
7. Phantomed configuration optional.
8. See table I for contact cavities requiring this dimension.
9. The centerline of indicated projection must be located on vertical centerline ± 2°.

FIGURE 2. Classes N and S.
FIGURE 2. Classes N and S - Continued.
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**FIGURE 2.** Classes N and S - Continued.
NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Unless otherwise specified, tolerances are \( \pm 0.005 \) (0.13 mm) for three place decimals and \( \pm 0.01 \) (0.25 mm) for two place decimals and \( \pm 1^\circ \) for all angles.
4. Coupling indicator line shall be color coded red.
5. Rear accessory interchangeability dimensions shall be in accordance with MIL-DTL-83723.
6. Shell size 8 will not mate with MIL-DTL-26500 connectors.
7. Phantomed configuration optional.
8. See table I for contact cavities requiring this dimension.
9. The centerline of indicated projection must be located on vertical centerline \( \pm 2^\circ \).
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FIGURE 3. Dimensions and configurations.
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FIGURE 3. Dimensions and configurations - Continued.
### Figure 3: Dimensions and Configurations - Continued.

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NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Unless otherwise specified, tolerances are ±0.005 (0.13 mm) for three place decimals and ±0.01 (0.25 mm) for two place decimals and ±1° for all angles.
4. Coupling indicator line shall be color coded red.
5. Rear accessory interchangeability dimensions shall be in accordance with MIL-DTL-83723.
6. Shell size 8 will not mate with MIL-DTL-26500 connectors.
7. Phantomed configuration optional.
8. See table I for contact cavities requiring this dimension.
9. The centerline of indicated projection must be located on vertical centerline ±2°.

FIGURE 3. Dimensions and configurations - Continued.

REQUIREMENTS:

Dimensions and configurations: See figures 1 and 3 for classes A, G, K, M, R, T, W and Z. See figures 2 and 3 for classes N and S.

This connector mates with MIL-DTL-83723/87, MIL-DTL-83723/92, MIL-DTL-83723/96 and MIL-DTL-83723/98.

Insert arrangements and polarizing positions: See MIL-STD-1554 and table I.

TABLE I. Insert arrangements requiring reduced diameter for lead-in chamfers on outer row of contact cavities as indicated.

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O-ring: See MIL-DTL-83723.

Part or Identifying Number (PIN) example:

M83723/84 W 22 55 N

Military designation
Specification sheet number
Class
Shell size
Insert arrangement
Polarizing position
Amendment notations. 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.

Referenced documents. In addition to MIL-DTL-83723, this document references the following:

- MIL-STD-1554
- MIL-DTL-26500
- MIL-DTL-83723/87
- MIL-DTL-83723/92
- MIL-DTL-83723/96
- MIL-DTL-83723/98
- MS3186

CONCLUDING MATERIAL

Custodians: Preparing activity:
Army - CR DLA - CC
Navy - AS (Project 5935-2018-018)
Air Force - 85
DLA - CC

Review activities:
Army - AR, MI
Navy - EC
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 database at https://assist.dla.mil.