DETAIL SPECIFICATION SHEET

CONNECTOR, ELECTRICAL, (CIRCULAR, ENVIRONMENT RESISTING),
PLUG, (BAYONET COUPLING, PREWIRED, SOCKET CONTACT),
(SERIES I, CLASSES A, G, AND R), (SHELL SIZE 8 FOR INSERTS 8-2, 8-3, AND 8-4 ONLY)

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 and MIL-DTL-83723.

FIGURE 1. Completed assembly.

AMSC N/A 1 of 6 FSC 5935
DISTRIBUTION STATEMENT A. Approved for public release, distribution is unlimited.
FIGURE 1. Completed assembly – Continued.
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NOTES:
1. For alternate polarizing positions, the connector insert is rotated in respect to the shell.
2. In "Normal Position" (Position "N") the insert vertical centerline coincides with the centerline of the master key of the shell.
3. In “alternate Positions” (Positions “W”, “Y”, and “Z”) the socket insert is rotated OC degrees clockwise relative to centerline of the master key of the shell.
4. Fully mated coupling indication stripes and polarization stripes shall be color coded blue. Stripes shall have minimum width of .050 on coupling ring and minimum width of .040 on the shell.
5. Four keys (MMC) and insert shall be located within .0035 either side of (TP) relative to master key (MMC) and shell 0. D. (MMC).
6. Dimensions in inches. Unless otherwise specified, tolerance shall be .XX ± .010 and .XXX ± .005 angular X° ± -0’ and X° ± 30’.
7. Contacts in this connector are nonremovable.

FIGURE 1. Completed assembly – Continued.
REQUIREMENTS

Dimensions and configuration: See figure 1.
For insert arrangements: See MIL-STD-1669.
Rear hardware shall be in accordance with MIL-C-83723/16, /23, and MIL-C-85049/31, /51, /52, /60.
Contacts and leads shall be furnished in assembled configuration.
Connector assembly must include a backshell to meet moisture sealing requirements.
Shell material: Class A and R – Aluminum alloy in accordance with SAE-AMS-QQ-A-367.
Class G – Corrosion resistant steel in accordance with SAE-AMS-QQ-S-763.
Circumferential color bands specified in MIL-C-26482 do not apply.
Connector identification marking specified in MIL-C-26482 does not apply. Marking shall be as specified in the Part or Identifying Number (PIN) below.

PIN example:

<table>
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<tr>
<th>Military designator</th>
<th>Specification sheet number</th>
<th>Class</th>
<th>Shell size</th>
<th>Insert arrangement</th>
<th>Polarizing position</th>
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CONCLUDING MATERIAL

Custodians: Preparing activity:
Army - CR DLA - CC
Navy - AS (Project 5935-4415-003)
Air Force - 11 DLA - CC
DLA - CC

Review activities:
Air Force - 70, 80, 84, 99
<table>
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<th>1. DOCUMENT NUMBER</th>
<th>2. DOCUMENT DATE (YYYYMMDD)</th>
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<tr>
<td></td>
<td>MIL-DTL-83723/37B</td>
<td>2003/05/23</td>
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3. DOCUMENT TITLE
CONNECTOR, ELECTRICAL, (CIRCULAR, ENVIRONMENT RESISTING), PLUG, (BAYONET COUPLING, PREWIRED, SOCKET CONTACT), (SERIES I, CLASSES A, G, AND R), (SHELL SIZE 8 FOR INSERTS 8-2, 8-3, AND 8-4 ONLY)

4. NATURE OF CHANGE (Identify paragraph number and include proposed rewrite, if possible. Attach extra sheets as needed.)

5. REASON FOR RECOMMENDATION

6. SUBMITTER
a. NAME  (Last, First, Middle Initial)  b. ORGANIZATION

c. ADDRESS  (Include zip code)  d. TELEPHONE  (Include Area Code)
   (1) Commercial
   (2) DSN
   (if applicable)

7. DATE SUBMITTED (YYYYMMDD)

8. PREPARING ACTIVITY
a. NAME  b. TELEPHONE  (Include Area Code)
   Defense Logistics Agency
   Defense Supply Center, Columbus
   (1) Commercial 614-692-0565
   (2) DSN 850-0565

   c. ADDRESS  (Include Zip Code)
   DSCC-VAI
   3990 E. Broad St.
   Columbus, Ohio 43213

   IF YOU DO NOT RECEIVE A REPLY WITHIN 45 DAYS, CONTACT:
   Defense Standardization Program Office (DLSC-LM)
   8725 John J. Kingman Road, Suite 2533
   Fort Belvoir, Virginia 22060-6621
   Telephone (703) 767-6888  DSN 427-6888

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