

INCH-POUND

MIL-DTL-83723/37B

23 May 2003

SUPERSEDING

MIL-C-83723/37A(USAF)

1 October 1975

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.

Inactive for new design as of
25 May 1993.

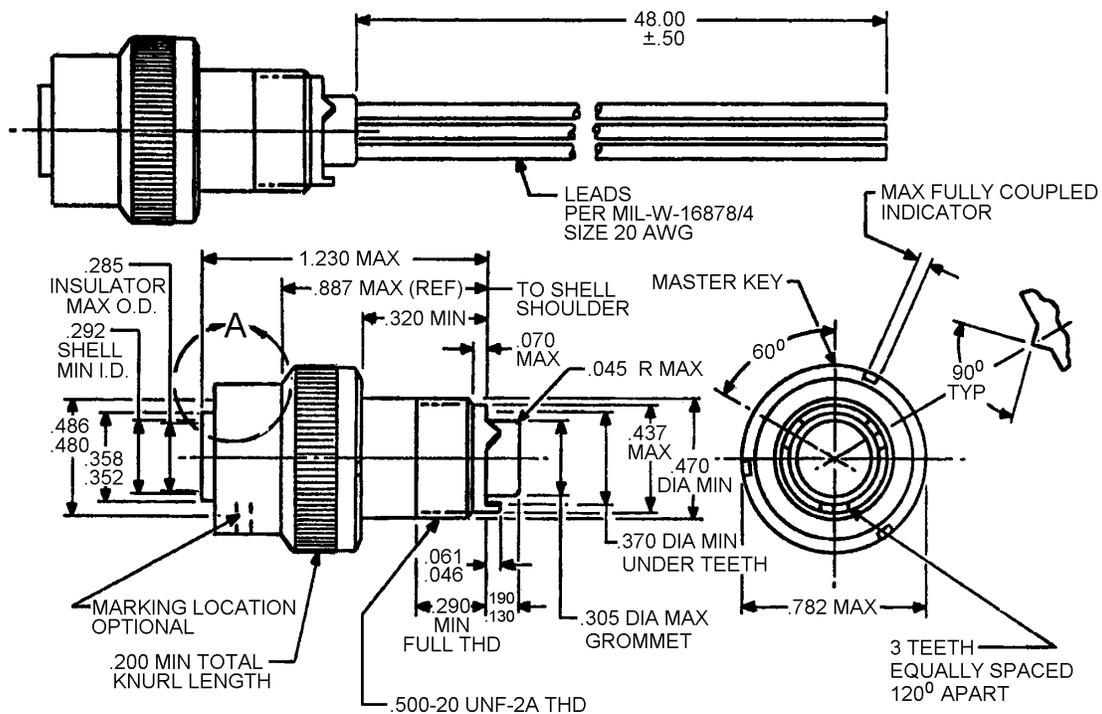


FIGURE 1. Completed assembly.

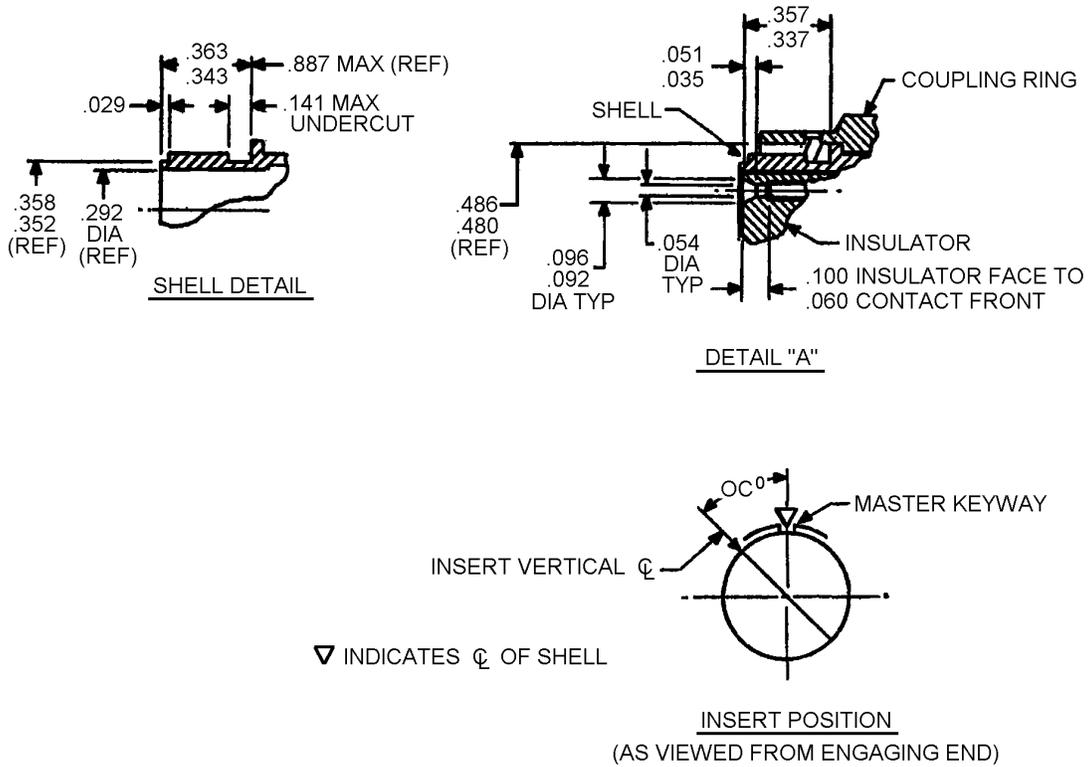


FIGURE 1. Completed assembly – Continued.

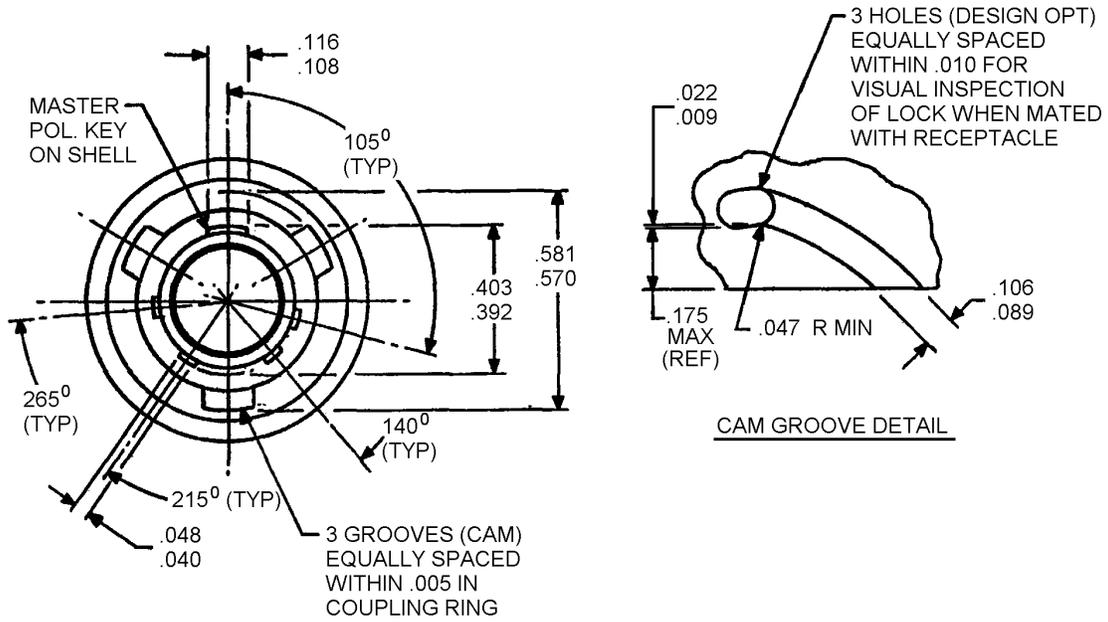


FIGURE 1. Completed assembly – Continued.

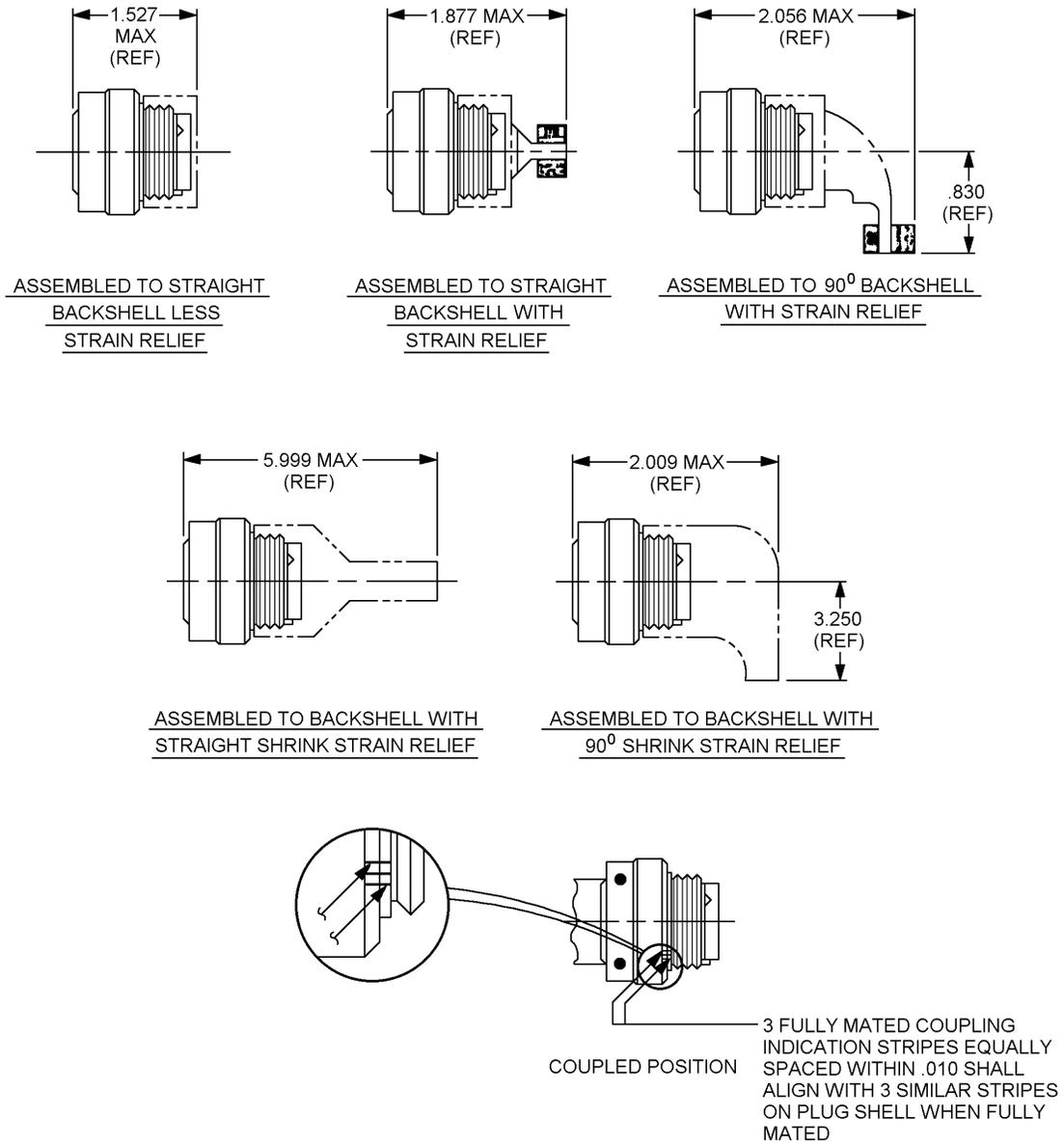


FIGURE 1. Completed assembly – Continued.

MIL-DTL-83723/37B

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 O. D. (MMC).
6. Dimensions in inches. Unless otherwise specified, tolerance shall be $.XX \pm .010$ and $.XXX \pm .005$ angular $X^\circ \pm -0'$ and $X^\circ \pm 30'$.
7. Contacts in this connector are nonremovable.

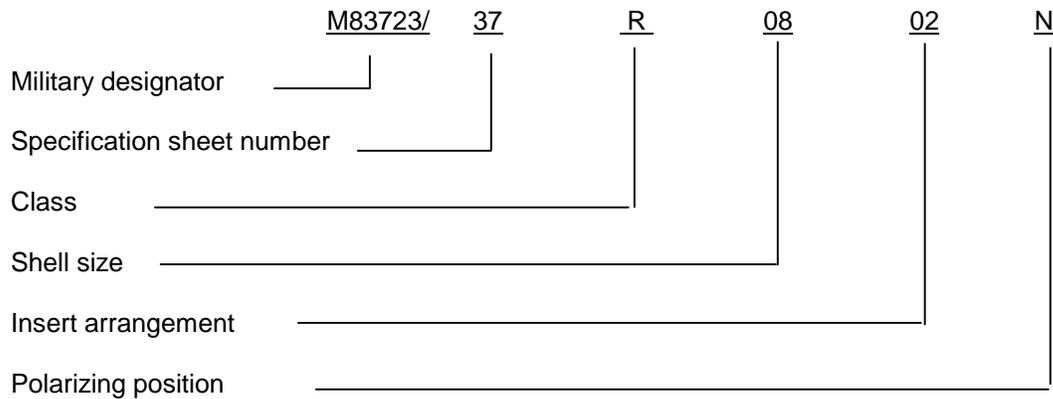
FIGURE 1. Completed assembly – Continued.

MIL-DTL-83723/37B

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:



CONCLUDING MATERIAL

Custodians:

- Army - CR
- Navy - AS
- Air Force - 11
- DLA - CC

Preparing activity:

DLA - CC

(Project 5935-4415-003)

Review activities:

- Air Force - 70, 80, 84, 99

STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

INSTRUCTIONS

1. The preparing activity must complete blocks 1, 2, 3, and 8. In block 1, both the document number and revision letter should be given.
2. The submitter of this form must complete blocks 4, 5, 6, and 7, and send to preparing activity.
- 3 The preparing activity must provide a reply within 30 days from receipt of the form.

NOTE: This form may not be used to request copies of documents, nor to request waivers, or clarification of requirements on current contracts. Comments submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or to amend contractual requirements.

I RECOMMEND A CHANGE:	1. DOCUMENT NUMBER MIL-DTL-83723/37B	2. DOCUMENT DATE (YYYYMMDD) 2003/05/23
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 (<i>Identify paragraph number and include proposed rewrite, if possible.</i> <i>Attach extra sheets as needed.</i>)		
5. REASON FOR RECOMMENDATION		
6. SUBMITTER		
a. NAME (<i>Last, First, Middle Initial</i>)	b. ORGANIZATION	
c. ADDRESS (<i>Include zip code</i>)	d. TELEPHONE (<i>Include Area Code</i>) (1) Commercial (2) DSN (<i>if applicable</i>)	7. DATE SUBMITTED (YYYYMMDD)
8. PREPARING ACTIVITY		
a. NAME Defense Logistics Agency Defense Supply Center, Columbus	b. TELEPHONE (<i>Include Area Code</i>) (1) Commercial 614-692-0565 (2) DSN 850-0565	
c. ADDRESS (<i>Include Zip Code</i>) 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	