

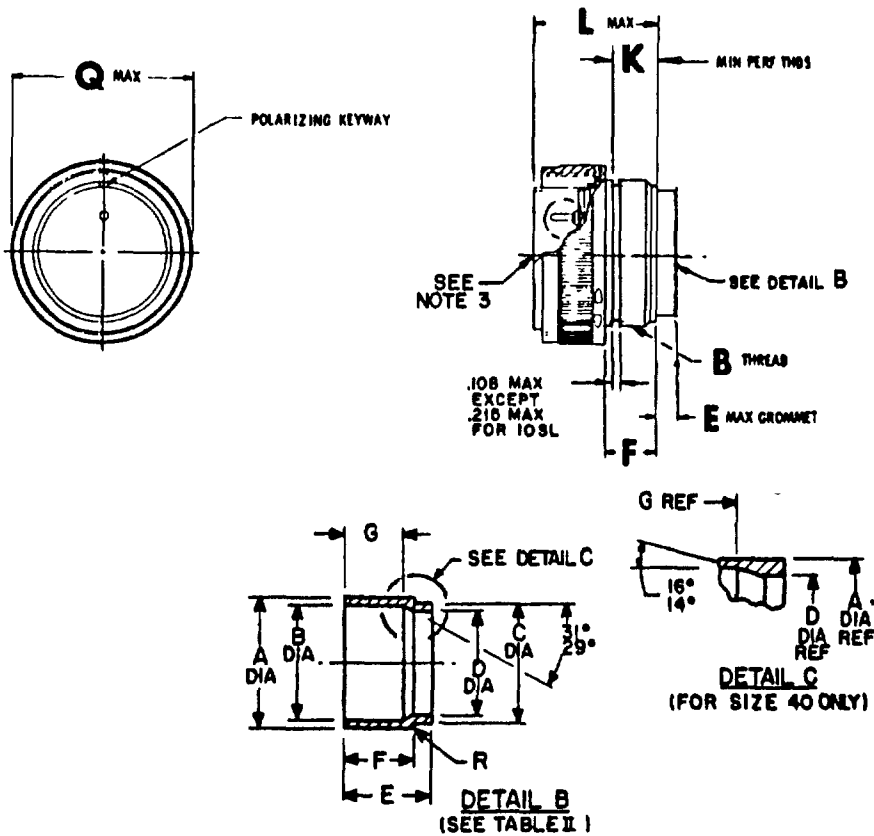
MILITARY SPECIFICATION SHEET

CONNECTORS, ELECTRICAL, (CIRCULAR, ENVIRONMENT RESISTING), PLUG, (THREADED COUPLING, CRIMP PIN CONTACTS), (SERIES II, CLASSES A, G, K, AND R)

This specification sheet is approved for use by the Engineering and Technical Support Division (AFLC), Department of the Air Force, and is available for use by all Departments and Agencies of the Department of Defense

The complete requirements for procuring the connector described herein shall consist of this document and the latest issue of Specification MIL-C-83723

Ⓒ INACTIVE. USE MS3456 OF MIL-C-5015



- NOTES:**
1. ALL DIMENSIONS ARE IN INCHES.
 2. ALL DIMENSIONS ARE AFTER PLATING.
 - Ⓒ 3. FOR DETAILS OF CONNECTOR FRONT END CONFIGURATION SEE PROCUREMENT SPECIFICATION.
- Ⓒ Denotes revision

© TABLE I. CONNECTOR DIMENSIONS

SHELL SIZE PART NO DESIGNATION	MIL-C-5015 SIZE SHELL	B THREAD	1/ E MAX	F	L MAX	Q MAX	K
08	8S	4375-28 UNEF-2A	400	.468 .418	1.135	760	
10	10S	500-28 ↑	400	↑	↑	880	
11	10SL	.5625-24	400	↓	↓	.880	
13	12S	.625-24	400	.468 .418	1.135	1 010	.375
12	12	.625-24	.317	.637 .587	1 495	1 010	↑
15	14S	.750-20	400	.468 .418	1 135	1.130	↓
14	14	.750-20	.317	.637 .587	1 495	1.130	↓
17	16S	.875-20	400	.468 .418	1.135	1.250	.375
16	16	.875-20	.317	.637 .587	1 495	1.250	.531
18	18	1.000-20	.380	.637 .587	↑	1.340	↑
20	20	1.125-18	.380	.621 .571	↓	1 469	
22	22	1.250-18	.380	.621 .571	1.495	1 590	
24	24	1.375-18 ↓	.315	.637 .587	1 556	1 719	
28	28	1 625-18 UNEF-2A	.315	.637 .587	1.556	1 969	
32	32	1 875-16 UN-2A	.260	.664 .614	1.620	2.219	↓
36	36	2.125-16 UN-2A	.260	.664 .614	1 620	2.469	.531
40	40	2.375-16 UN-2A	.260	.669 .619	1.620	2.728	.600

1/ When insulator arrangement sizes 18 thru 40 contain one or more size No. 0 contacts, E dimension will increase .150 max.

TABLE II. DETAIL B DIMENSIONS

SHELL SIZE	A	B	C	D	E	F	G	R
8S	280 271	.250 237	245 232	180 .167	427 .401	342 326	286 276	
10S	340 332	312 299	298 285	242 .229	420 397	335 322	272 262	
10SL	409 401	390 367	378 365	310 297	430 .407	335 322	237 .227	
12 & 12S	.460 .452	432 419	403 .390	355 342	419 396	340 326	270 260	
14 & 14S	563 550	518 505	485 472	448 435	414 .391	339 326	261 251	.040 020
16 & 16S	689 .676	644 631	605 592	574 561	424 401	339 326	263 250	.040 .020
18	806 793	760 747	725 712	690 677	.574 551	449 436	371 361	060 040
20	941 928	894 881	863 850	814 801	573 550	458 445	385 375	↑
22	1059 1.046	982 969	973 960	902 889	551 .528	456 443	389 379	
24	1170 1.157	1106 1093	1085 1072	1026 1013	547 524	457 444	385 375	
28	1401 1388	1330 1317	1245 1232	1185 1172	573 550	458 445	329 319	
32	1652 1639	1608 1595	1515 1502	1440 1427	544 521	.459 446	316 .306	↓
36	1860 1847	1796 1783	1751 1738	1653 1640	573 550	463 450	355 345	060 040
40	2105 2092	2000 1989		1905 1892	823 800		.379 279	

REQUIREMENTS:

Dimensions and configuration. See figure

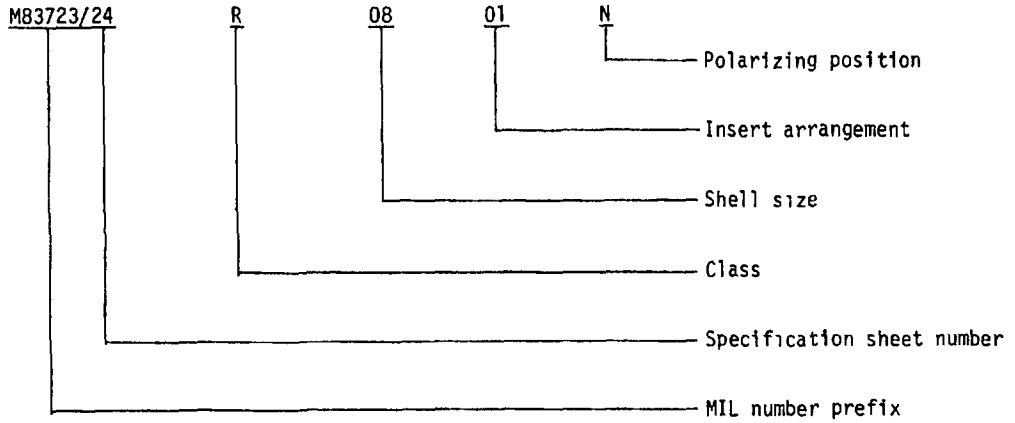
This plug mates with MIL-C-83723/17, /19, and /21(USAF)

Ⓒ For insert arrangements see MIL-STD-1651.

Rear hardware per MIL-C-83723/27, /35 or /50(USAF) must be used for correct wire sealing.

Ⓒ Insert positions and alternate rotations The letter N indicates normal (or standard) insert position. Alternate positions are identified in MIL-STD-1651

Part number example



Custodian.
Air Force - 85

Preparing activity
Air Force - 85

Review activities:
Air Force - 11, 15, 17, 99

(Project 5935-F024-8)

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DOCUMENT IDENTIFIER AND TITLE

MIL-C-83723/24C (USAF) Connectors, Electrical, (Circular, Environment Resisting)

NAME OF ORGANIZATION AND ADDRESS

CONTRACT NUMBER FSC 5935

MATERIAL PROCURED UNDER A

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