

INCH-POUND

MIL-DTL-83723/71C
w/AMENDMENT 3

8 March 2024

SUPERSEDING

MIL-DTL-83723/71C
w/AMENDMENT 2

11 March 2022

DETAIL SPECIFICATION SHEET

CONNECTORS, ELECTRICAL, (CIRCULAR, ENVIRONMENT RESISTING),
RECEPTACLE, (FLANGE MOUNT, BAYONET COUPLING, CRIMP SOCKET CONTACT),
SERIES III, CLASSES A, G, M, R, T, W AND Z

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.

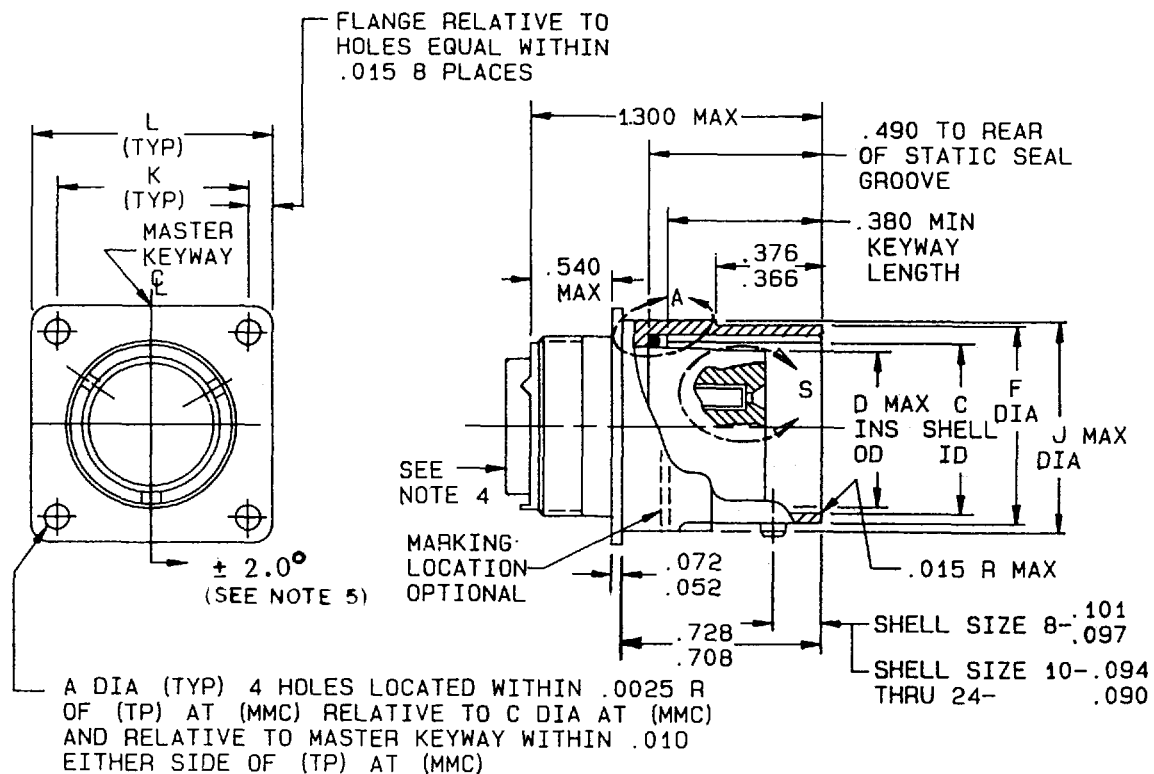


FIGURE 1. Receptacle, dimensions and configurations.



MIL-DTL-83723/71C
w/AMENDMENT 3

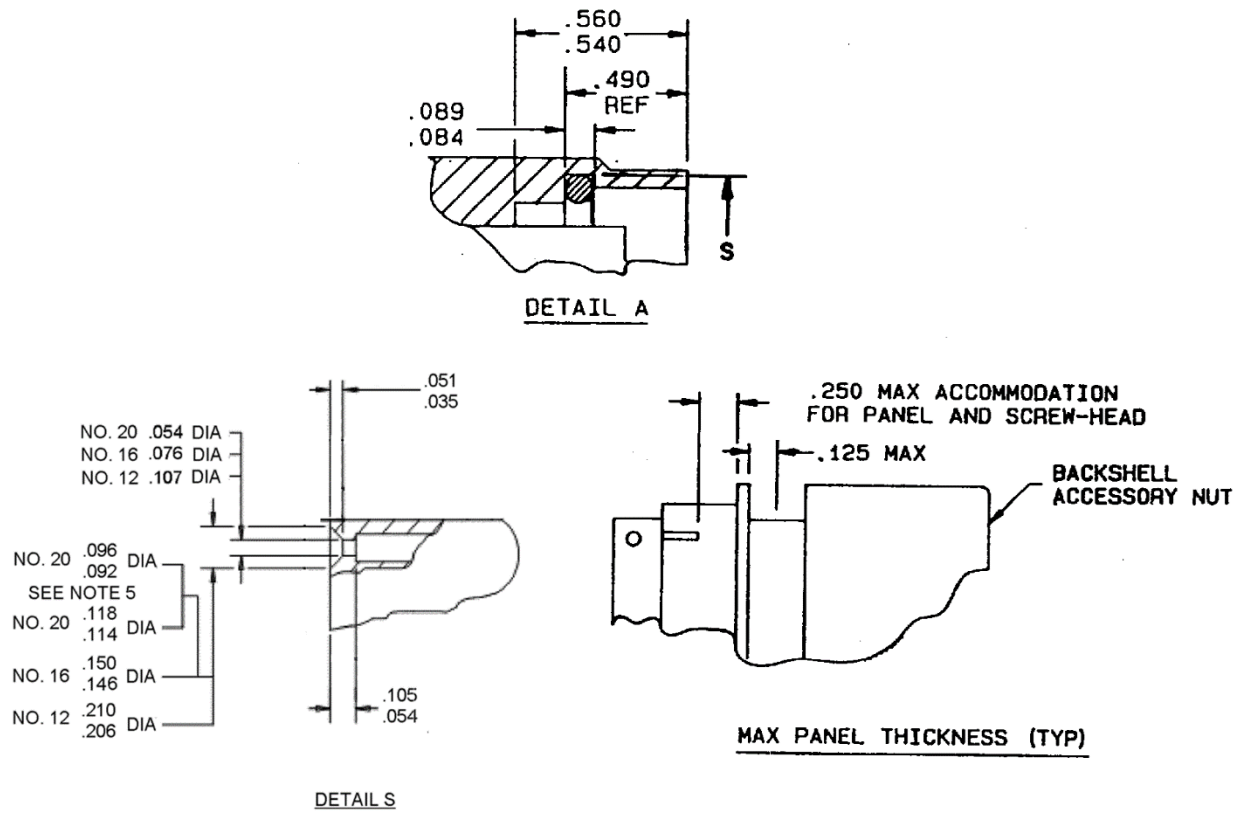


FIGURE 1. Receptacle, dimensions and configurations - Continued.

MIL-DTL-83723/71C
w/AMENDMENT 3

Shell size	A	C	D	F	J	K	L	S + .005 (0.13) - .000
08	.120 (3.05)	.428 (10.87) .433 (11.00)	.312 (7.92)	.536 (13.61) .531 (13.49)	.561 (14.25)	.594 (15.09)	.812 (20.62)	.508 (12.90)
10	.120 (3.05)	.530 (13.46) .535 (13.59)	.388 (9.86)	.659 (16.74) .654 (16.61)	.696 (17.68)	.719 (18.26)	.937 (23.80)	.636 (16.15)
12	.120 (3.05)	.700 (17.78) .705 (17.91)	.558 (14.17)	.829 (21.06) .824 (20.93)	.875 (22.23)	.812 (20.62)	1.031 (26.19)	.806 (20.47)
14	.120 (3.05)	.769 (19.53) .774 (19.66)	.627 (15.93)	.898 (22.81) .893 (22.68)	.935 (23.75)	.906 (23.01)	1.125 (28.58)	.875 (22.23)
16	.120 (3.05)	.896 (22.76) .901 (22.89)	.772 (19.61)	1.025 (26.04) 1.020 (25.91)	1.062 (26.97)	.969 (24.61)	1.250 (31.75)	1.002 (25.45)
18	.120 (3.05)	1.002 (25.45) 1.007 (25.58)	.860 (21.84)	1.131 (28.73) 1.126 (28.60)	1.187 (30.15)	1.062 (26.97)	1.343 (34.11)	1.108 (28.14)
20	.120 (3.05)	1.127 (28.63) 1.132 (28.75)	.985 (25.02)	1.256 (31.90) 1.251 (31.78)	1.312 (33.32)	1.156 (29.36)	1.437 (36.50)	1.233 (31.32)
22	.120 (3.05)	1.252 (31.80) 1.257 (31.93)	1.110 (28.19)	1.381 (35.08) 1.376 (34.95)	1.437 (36.50)	1.250 (31.75)	1.562 (39.67)	1.358 (34.49)
24	.149 (3.78)	1.377 (34.98) 1.382 (35.10)	1.235 (31.37)	1.506 (38.25) 1.501 (38.13)	1.562 (39.67)	1.375 (34.93)	1.703 (43.26)	1.483 (37.67)

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only. Metric equivalents are in parentheses.
3. Unless otherwise specified, tolerances shall be $\pm .005$ (0.13) for three place decimal places, $\pm .01$ (0.25) for two place decimal places and $\pm 1^\circ$ for all angles.
4. Rear accessory interchangeability dimensions shall be in accordance with MIL-DTL-83723 and SAE-AS85049.
5. The centerline of indicated projection shall be located on the vertical centerline within $\pm 2^\circ$.

FIGURE 1. Receptacle, dimensions and configurations - Continued.

MIL-DTL-83723/71C
w/AMENDMENT 3

REQUIREMENTS:

Dimensions and configurations: See figure 1.

For insert arrangement, see MIL-STD-1554.

For connector accessories, see SAE-AS85049.

This connector mates with MIL-DTL-83723/76 and MIL-DTL-83723/78.

For insert arrangements, see MIL-STD-1554 and table I.

TABLE I. Inserts requiring reduced diameters for lead-in chamfers on contact cavities.

Shell size	Insert arrangements	Contact cavities
08	03	1, 2, and 3
10	06	1, 2, 3, 4, 5, 6

Marking:

Part or Identifying Number (PIN): M83723/71 – X (where “X” represents the dash number from figure 1), shell size, and the applicable code for finish.

PIN example:

M83723/ 71 W 10 08 N

<u>M83723/</u>	Military designator
<u>71</u>	Specification sheet number
<u>W</u>	Class
<u>10</u>	Shell size
<u>08</u>	Insert arrangement
<u>N</u>	Polarizing position

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-83723, this document references the following:

MIL-DTL-83723/76
MIL-DTL-83723/78
MIL-STD-1554
SAE-AS85049

MIL-DTL-83723/71C
w/AMENDMENT 3

CONCLUDING MATERIAL

Custodians:

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

Preparing activity:

DLA - CC

(Project 5935-2024-050)

Review activities:

Army - AR, MI
Navy - EC
Air Force – 19

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>.