

INCH-POUND

MIL-DTL-83723/70B
w/AMENDMENT 2
February 1 2024
SUPERSEDING
MIL-DTL-83723/70B
w/AMENDMENT 1
14 August 2019

DETAIL SPECIFICATION SHEET

CONNECTORS, ELECTRICAL, CIRCULAR, ENVIRONMENT RESISTING, RECEPTACLE
ADAPTER, PUSH-PULL, QUICK-DISCONNECT, 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.

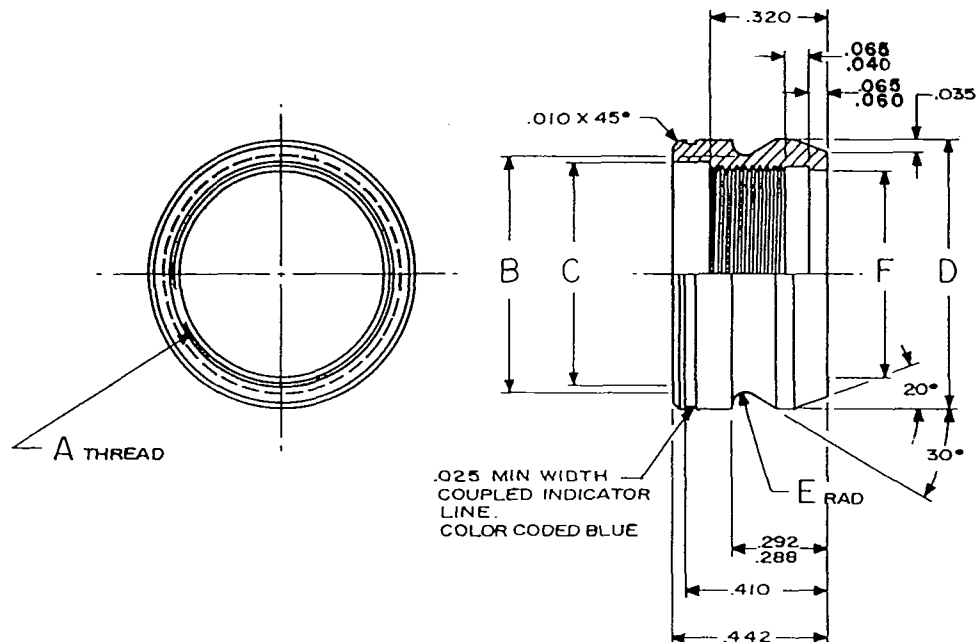


FIGURE 1. Receptacle, adapter, dimensions and configuration.

AMSC N/A
DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

FSC 5935



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Shell size	A UNEF-2B coupling thread	B dia	C dia	D dia	E	F dia
08	.5625-24	.607 (15.42) .603 (15.32)	.579 (14.71) .575 (14.61)	.689 (17.50) .685 (17.40)	.036 (0.91) .031 (0.79)	.525 (13.34)
10	.6875-24	.732 (18.59) .728 (18.49)	.714 (18.14) .710 (18.03)	.814 (20.68) .810 (20.57)	.036 (0.91) .031 (0.79)	.650 (16.51)
12	.875-20	.919 (23.34) .915 (23.24)	.894 (22.71) .890 (22.61)	1.001 (25.43) .997 (25.32)	.036 (0.91) .031 (0.79)	.840 (21.34)
14	.9375-20	.982 (24.94) .978 (24.84)	.954 (24.23) .950 (24.13)	1.064 (27.03) 1.060 (26.92)	.036 (0.91) .031 (0.79)	.900 (22.86)
16	1.0625-18	1.107 (28.12) 1.103 (28.02)	1.079 (27.41) 1.075 (27.31)	1.189 (30.20) 1.185 (30.10)	.036 (0.91) .031 (0.79)	1.025 (26.04)
18	1.1875-18	1.232 (31.29) 1.228 (31.19)	1.204 (30.58) 1.200 (30.48)	1.330 (33.78) 1.326 (33.68)	.044 (1.12) .039 (0.99)	1.150 (29.21)
20	1.3125-18	1.357 (34.47) 1.353 (34.37)	1.329 (33.76) 1.325 (33.66)	1.455 (36.96) 1.451 (36.86)	.044 (1.12) .039 (0.99)	1.275 (32.39)
22	1.4375-18	1.482 (37.64) 1.478 (37.54)	1.454 (36.93) 1.450 (36.83)	1.580 (40.13) 1.576 (40.03)	.044 (1.12) .039 (0.99)	1.400 (35.56)
24	1.5625-18	1.607 (40.82) 1.603 (40.72)	1.579 (40.11) 1.575 (40.01)	1.705 (43.31) 1.701 (43.21)	.044 (1.12) .039 (0.99)	1.525 (38.74)

NOTES:

1. Dimensions are in inches. Dimensions apply after plating.
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 $\pm 1/2^\circ$ for all angles.
4. Coupling indicator line shall be color coded blue $.025 \pm .010$ (0.64 $\pm$ 0.25) wide.

FIGURE 1. Receptacle, adapter, dimensions and configuration - Continued.

REQUIREMENTS:

Dimensions and configurations: See figure 1.

For insert arrangement, see MIL-STD-1554.

For connector accessories, see SAE-AS85049.

This adapter is intended to be assembled to series III threaded coupling receptacles, including MIL-DTL-83723/82, MIL-DTL-83723/83, MIL-DTL-83723/84, MIL-DTL-83723/85, MIL-DTL-83723/88, MIL-DTL-83723/89 and MIL-DTL-83723/90.

This adapter shall be secured permanently to the receptacle, using a compatible thread seizing compound.

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The above-referenced receptacle-adapter assemblies are intended to mate with applicable quick-disconnect push-pull plugs, including MIL-DTL-83723/66 through MIL-DTL-83723/69 (pin or socket).

Materials:

Aluminum alloy.

Qualification:

Examination of product.
Coupling torque.
Salt spray (corrosion).
Coupling torque.

Marking:

Part or Identifying Number (PIN) example:

	<u>M83723/</u>	<u>70</u>	<u>W</u>	<u>08</u>	
	<u>M83723/</u>				Military designator
	<u>70</u>				Specification sheet number
	<u>W</u>				Class
	<u>08</u>				Shell size

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-STD-1554
MIL-DTL-83723/66
MIL-DTL-83723/67
MIL-DTL-83723/68
MIL-DTL-83723/69
MIL-DTL-83723/82
MIL-DTL-83723/83
MIL-DTL-83723/84
MIL-DTL-83723/85
MIL-DTL-83723/88
MIL-DTL-83723/89
MIL-DTL-83723/90
SAE-AS85049

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CONCLUDING MATERIAL

Custodians:

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

Preparing activity:

DLA - CC

(Project 5935-2024-076)

Review activity:

Air Force – 70

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>.