

METRIC

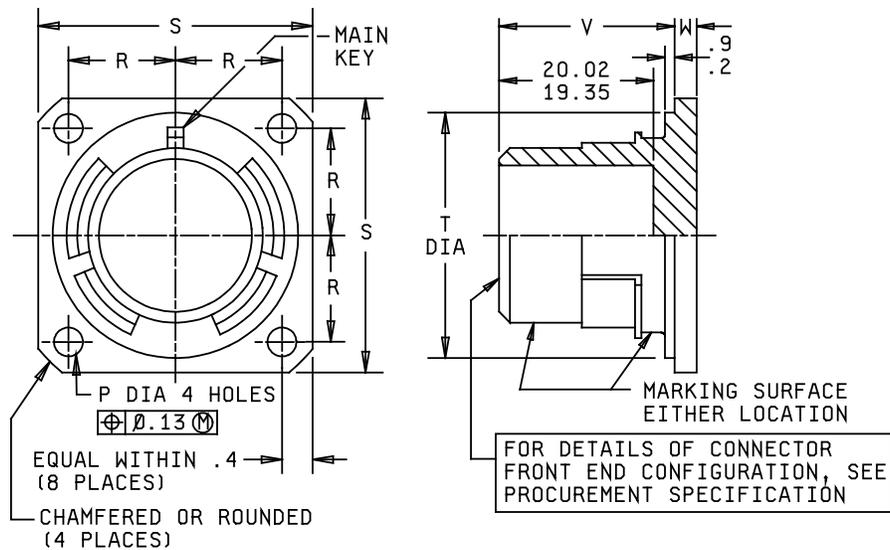
MIL-DTL-38999/50C  
5 February 2014  
SUPERSEDING  
MIL-DTL-38999/50B  
11 June 2001

DETAIL SPECIFICATION SHEET

CONNECTORS, ELECTRICAL, CIRCULAR, RECEPTACLE,  
DUMMY STOWAGE, BREECH COUPLING, SERIES IV, METRIC

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-38999.



mm	Inches	mm	Inches
0.13	.005	0.90	.035
0.40	.016	20.02	.788

FIGURE 1. Dummy receptacle, classes T, W, X and Z.

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Shell size	Shell size code	P dia	R BSC	S	T dia	V	W
11	B	3.5 / 3.1 (.138/.122)	10.31 (.406)	26.7 / 25.6 (1.05/1.01)	20.15 / 19.76 (.793/.778)	20.8/ 19.2  (.819/ .756)	2.6/ 2.1  (.102/ .083)
13	C		11.51 (.453)	29.1 / 28.0 (1.15/1.10)	23.35 / 22.96 (.919/.904)		
15	D		12.31 (.485)	31.5 / 30.4 (1.24/1.20)	26.52 / 26.13 (1.04/1.03)		
17	E		13.49 (.531)	33.9 / 32.8 (1.33/1.29)	29.72 / 29.33 (1.17/1.15)		
19	F		14.68 (.578)	37.1 / 36.0 (1.46/1.42)	32.87 / 32.48 (1.29/1.28)		
21	G		15.88 (.625)	40.2 / 39.1 (1.58/1.54)	36.05 / 35.66 (1.42/1.40)		
23	H	4.0 / 3.6 (.157/.142)	17.46 (.687)	43.4 / 42.3 (1.71/1.67)	39.22 / 38.83 (1.54/1.53)	3.4/ 2.9  (.134/ .114)	
25	J		19.05 (.750)	46.6 / 45.5 (1.83/1.79)	42.40 / 42.01 (1.67/1.65)		

NOTES:

1. Dimensions are in millimeters.
2. Inch equivalents are given for information only.
3. Flange is solid.
4. Dummy receptacles are used when unmated plugs must be protected.

FIGURE 1. Dummy receptacle, classes T, W, X and Z – Continued.

REQUIREMENTS:

Dimensions and configuration: See figure 1.

Interface dimensions shall conform to MIL-DTL-38999, except one design shall accommodate all polarization positions (within its shell size).

This receptacle mates with MIL-DTL-38999/46 and /47.

Shell material and finish shall be as specified in MIL-DTL-38999.

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Qualification (all classes). Qualification shall be in accordance with MIL-DTL-38999, conducted on two samples of each shell size, except only the following sequence of tests shall be required:

- Examination of product
- Dynamic salt spray (corrosion)
- Coupling torque
- Air leakage (see requirement)
- Visual and mechanical

Group A sampling inspection. Sampling for group A inspection shall be as specified in table I.

TABLE I. Group A sampling plan.

Lot size	Sampling size
1 to 13	100 percent
14 to 150	13 units
151 to 280	20 units
281 to 500	29 units
501 to 1,200	34 units
1,201 to 3,200	42 units
3,201 and up	54 units

Part or Identifying Number (PIN) example:

D38999/50  
Specification  
sheet number

B  
Shell  
size

W  
Class

Changes from previous issue. The margins of this specification are marked with vertical lines to indicate where changes from the previous issue were made. 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 and relationship to the last previous issue.

Referenced documents. In addition to MIL-DTL-38999, this document references the following:

MIL-DTL-38999/46  
MIL-DTL-38999/47

#### CONCLUDING MATERIAL

Custodians:

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

Preparing activity:

DLA - CC

(Project 5935-2013-161)

Review activities:

Army - MI  
Navy - EC, MC, OS  
Air Force - 19, 99

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>.