

METRIC

MIL-DTL-38999/22D
11 June 2001
SUPERSEDING
MIL-C-38999/22C
7 May 1990

DETAIL SPECIFICATION SHEET

CONNECTORS, ELECTRICAL, CIRCULAR, RECEPTACLE,
THREADED, DUMMY STOWAGE, SERIES III, 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 and MIL-DTL-38999.

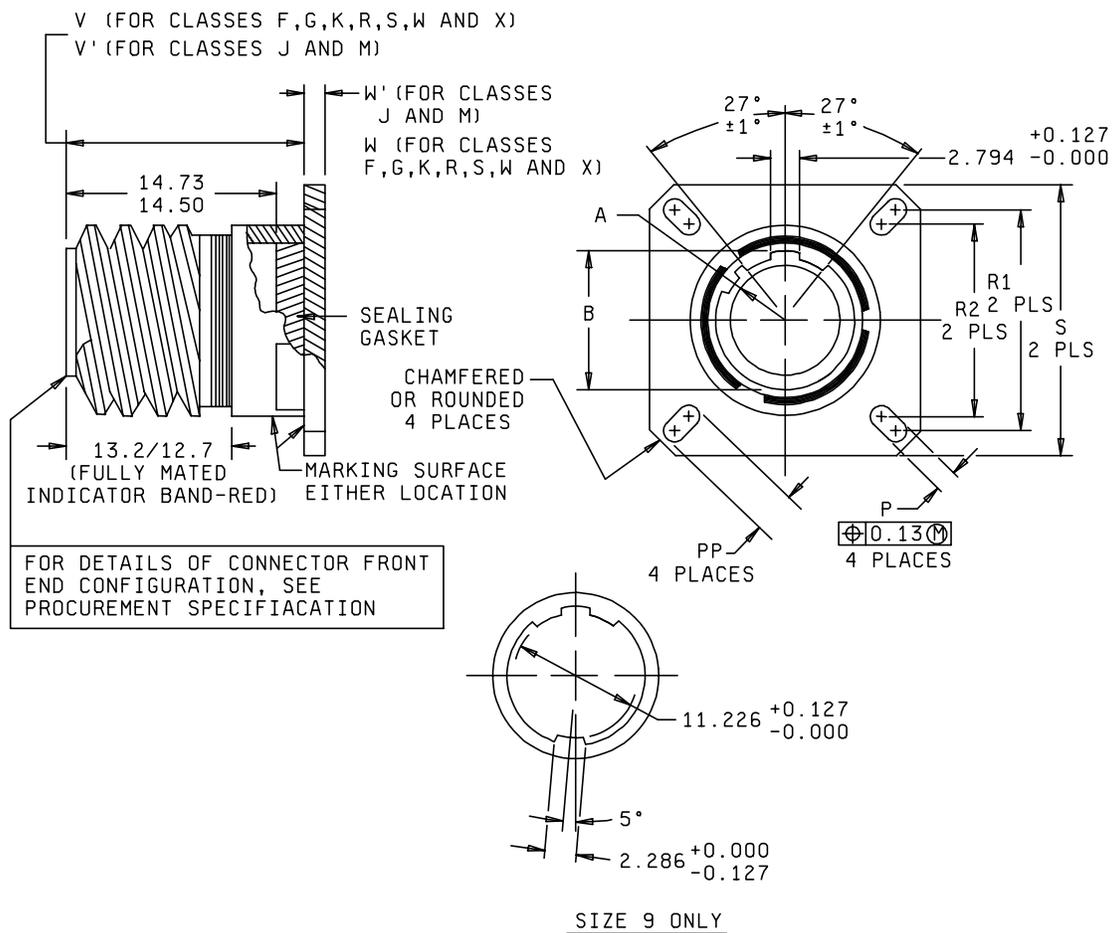


FIGURE 1. Receptacle, classes F, G, J, K, M, R, S, W and X.

Dimensions							
Shell size	Shell size code	A radius + .127 - .000	B + .000 - .127	P ± .20	PP ± .20	R1 (see note 4)	R2 (see note 5)
9	A	---	12.497	3.25	5.49	18.26	15.09
11	B	7.239	15.748	3.25	4.93	20.62	18.26
13	C	8.661	19.533	3.25	4.93	23.01	20.62
15	D	10.236	22.708	3.25	4.39	24.61	23.01
17	E	11.836	25.882	3.25	4.93	26.97	24.61
19	F	13.157	28.550	3.25	4.93	29.36	26.97
21	G	14.757	31.725	3.25	4.93	31.75	29.36
23	H	16.332	34.900	3.91	6.15	34.93	31.75
25	J	17.932	38.075	3.91	6.15	38.10	34.93

Dimensions						
Shell size	Shell size code	S ± .3	V + 0.00 - 0.13	V' + 1.4 - 0.0	W ± .3	W'
9	A	23.8	20.83	19.5	2.5	3.65/2.2
11	B	26.2	20.83	19.5	2.5	3.65/2.2
13	C	28.6	20.83	19.5	2.5	3.65/2.2
15	D	31.0	20.83	19.5	2.5	3.65/2.2
17	E	33.3	20.83	19.5	2.5	3.65/2.2
19	F	36.5	20.83	19.5	2.5	3.65/2.2
21	G	39.7	20.07	18.7	3.2	4.35/2.9
23	H	42.9	20.07	18.7	3.2	4.35/2.9
25	J	46.0	20.07	18.7	3.2	4.35/2.9

NOTES:

1. Dimensions are in millimeters.
2. Flange is solid
3. Dummy receptacles are used when unmated plugs must be protected.
4. Dimensions required for intermountability with front or rear mounting series I.
5. Dimensions required for intermountability with front mounting series II.

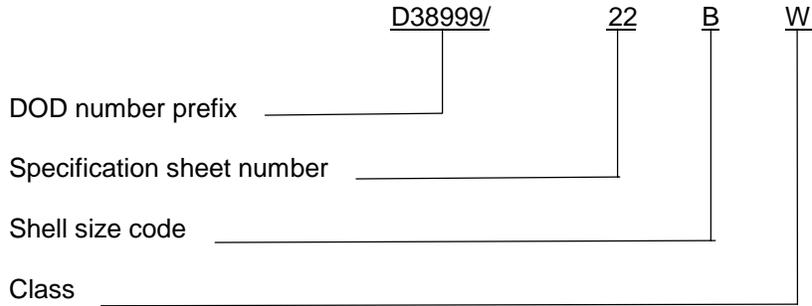
FIGURE 1. Receptacle, classes F, G, J, K, M, R, S, W and X - Continued.

REQUIREMENTS:

Dimensions and configuration: See figure 1. Interface dimensions shall conform to MIL-DTL-38999, except as noted.

This connector mates with MIL-DTL-38999/26, /29, /30, and /31.

Part or Identifying Number (PIN) example:



Class F is not for Navy use and is inactive for Air Force new design use.

NOTE: The term PIN is equivalent to the term (part number, identification number, and type designator) which was previously used in this specification.

QUALIFICATION:

Qualification shall consist of the dynamic salt spray test, altitude immersion, coupling torque, and visual and mechanical inspection as specified in MIL-DTL-38999, conducted on two samples of each shell size. For classes J and M also perform temperature cycling and hydrolytic stability.

CONCLUDING MATERIAL

Custodians:

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

Preparing activity:
DLA - CC

(Project 5935-4301-03)

Review activities:

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