

DETAIL SPECIFICATION SHEET

CONNECTORS, ELECTRICAL, CIRCULAR, RECEPTACLE, DUMMY STOWAGE,
 BAYONET COUPLING, (MIL-DTL-27599, SERIES II AND MIL-DTL-38999, SERIES II)

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.

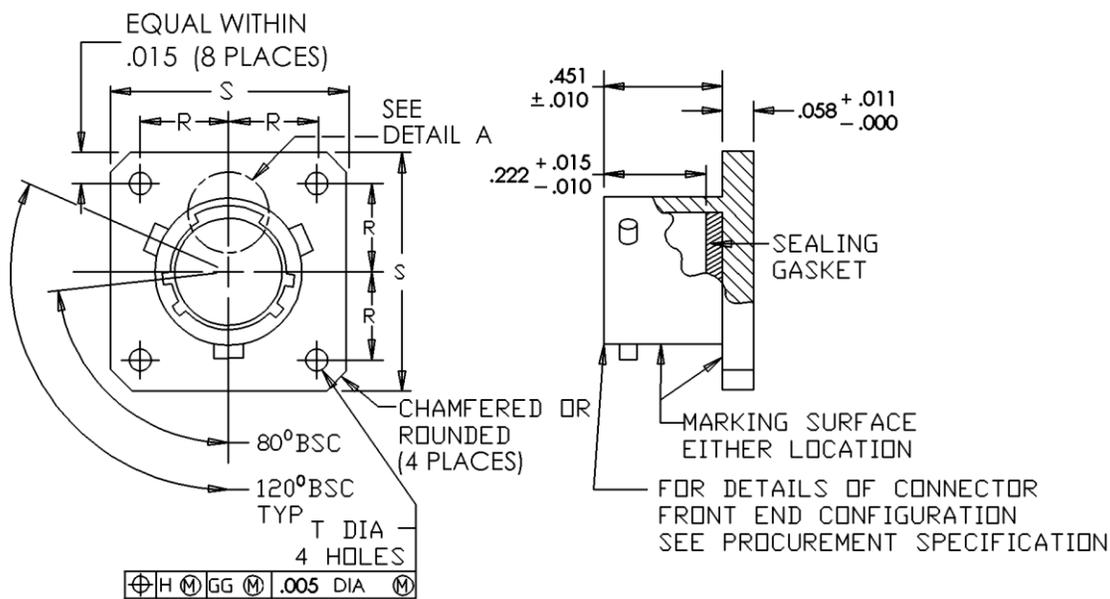
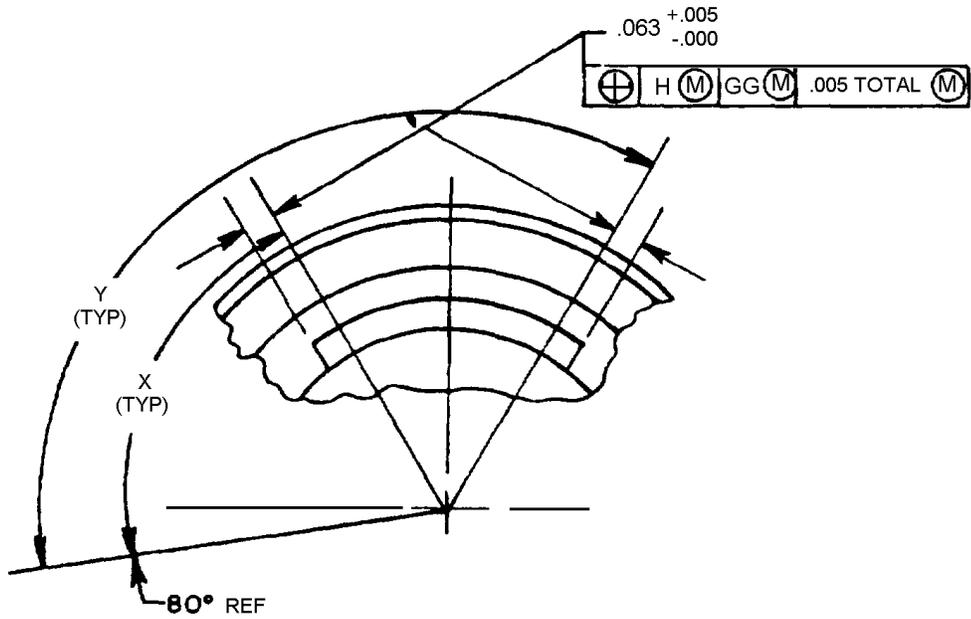


FIGURE 1. Dummy receptacle, finishes B and X.



DETAIL A

Dimensions					
Shell size	R BSC	S max	T dia +.010 -.005	X (TYP)	Y (TYP)
8	.297	.828	.120	82°	118°
10	.3595	.954		72°	128°
12	.406	1.047		68°	132°
14	.453	1.141		66°	134°
16	.4845	1.234		70°	130°
18	.531	1.328		70°	130°
20	.578	1.453		70°	130°
22	.625	1.578	.147	74°	126°
24	.6875	1.703		74°	126°

FIGURE 1. Dummy receptacle, finishes B and X - Continued.

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Inch	mm	Inch	mm	Inch	mm
.005	0.13	.297	7.54	8.28	21.03
.010	0.25	.3595	9.13	9.54	24.23
.011	0.28	.406	10.31	1.047	26.59
.015	0.38	.451	11.46	1.141	28.98
.058	1.47	.453	11.51	1.234	31.34
.063	1.60	.531	13.49	1.328	33.73
.120	3.05	.578	14.68	1.453	36.91
.147	3.73	.625	15.88	1.578	40.08
.222	5.64	.6875	17.46	1.703	43.26

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only and are based upon 1 inch = 25.4 mm.
3. The gage features for GG shall be .010 inch (.25 mm) smaller than the MMC size at basic location.
4. Flange is solid.
5. Dummy receptacles are used when unmated plugs must be protected.

FIGURE 1. Dummy receptacle, finishes B and X - Continued.

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REQUIREMENTS:

Dimensions and configuration: See figure 1.

Interface dimensions shall conform to MIL-DTL-38999, except as noted.

Material:

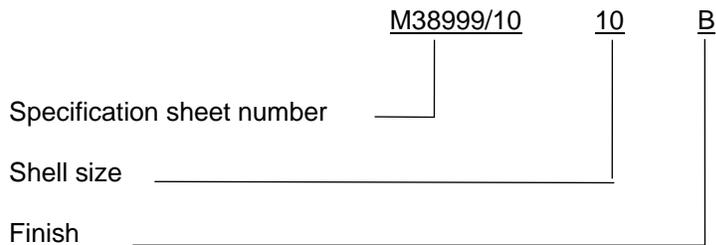
Shell: Aluminum alloy as specified in MIL-DTL-38999 with finishes B or X.

Sealing gasket: Non-corrosive silicone or fluorosilicone elastomer.

This receptacle mates with MS27473, MS27480, MS27484 and MS27500.

Fits all polarization positions.

Part or Identifying Number (PIN) example:



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, coupling pin strength, and visual and mechanical inspection as specified in MIL-DTL-38999, conducted on two samples of each shell size.

Changes from previous issue. Marginal notations are not used in this revision to identify changes with respect to the previous issue, due to the extent of the changes.

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

- MIL-DTL-27599
- MS27473
- MS27480
- MS27484
- MS27500

MIL-DTL-38999/10B

CONCLUDING MATERIAL

Custodians:

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

Preparing activity:
DLA - CC

(Project 5935-2012-042)

Review activities:

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

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>.