



Consult factory for available insert arrangements.

APPLICATION NOTES

1. Material/ Finishes:
Barrel, Coupling Nut - See Table II
(Composite Coupling Nut - No Plating Required).
Insulators- High Grade Rigid Dielectric/ N.A.
Seals- Fluorosilicone/ N.A.
2. Assembly to be identified with Glenair's name, part number and date code space permitting.
3. Insert arrangement in accordance with MIL-STD-1560.
4. Insert arrangement shown is for reference only.
5. Blue Color Band indicates rear release retention system.
6. 16# AWG contact arrangements only. See available arrangements opposite page.
7. Metric Dimensions (mm) are indicated in parentheses.

233-105-G6
MIL-DTL-38999 Series III Type
Environmental Plug Connector



TABLE I: CONTACT TYPES

Ordering Code	Assembly Dash Number	Wire Size	Type	Military Part Number
P	850-002-16-364	#16 – #20	Pin	M39029/58-364
S	850-001-16-352	#16 – #20	Socket	M39029/56-352
PC	852-008-16-424	RG174, RG316, RG179	Pin	M39029/76-424
SC	852-009-16-428	RG174, RG316, RG179	Socket	M39029/77-428

TABLE II: FINISH

SYM	MATERIAL	FINISH
M	Aluminum	Electroless Nickel
MT	Aluminum	Ni-PTFE 1000 Hour Grey™
NF	Aluminum	Cadmium O.D. Over Electroless Nickel
XM	Composite	Electroless Nickel
XMT	Composite	Ni-PTFE 1000 Hour Grey™
XW	Composite	Cadmium O.D. Over Electroless Nickel
Z1	Stainless Steel	Passivate
ZL	Stainless Steel	Electro-Deposited Nickel

*Consult Factory for Additional Plating Options

TABLE III: SHELL SIZE

Shell Size Code	Shell Size	CC Max Dia	DD Max Dia	EE Thread
B	11	.929 (23.6)	.984 (25.0)	M15 x 1.0-6g 0.100R
C	13	1.110 (28.2)	1.157 (29.4)	M18 x 1.0-6g 0.100R
D	15	1.232 (31.3)	1.280 (32.5)	M22 x 1.0-6g 0.100R
E	17	1.358 (34.5)	1.406 (35.7)	M25 x 1.0-6g 0.100R
F	19	1.469 (37.3)	1.516 (38.5)	M28 x 1.0-6g 0.100R
G	21	1.594 (40.5)	1.642 (41.7)	M31 x 1.0-6g 0.100R
H	23	1.720 (43.7)	1.768 (44.9)	M34 x 1.0-6g 0.100R
J	25	1.843 (46.8)	1.890 (48.0)	M37 x 1.0-6g 0.100R