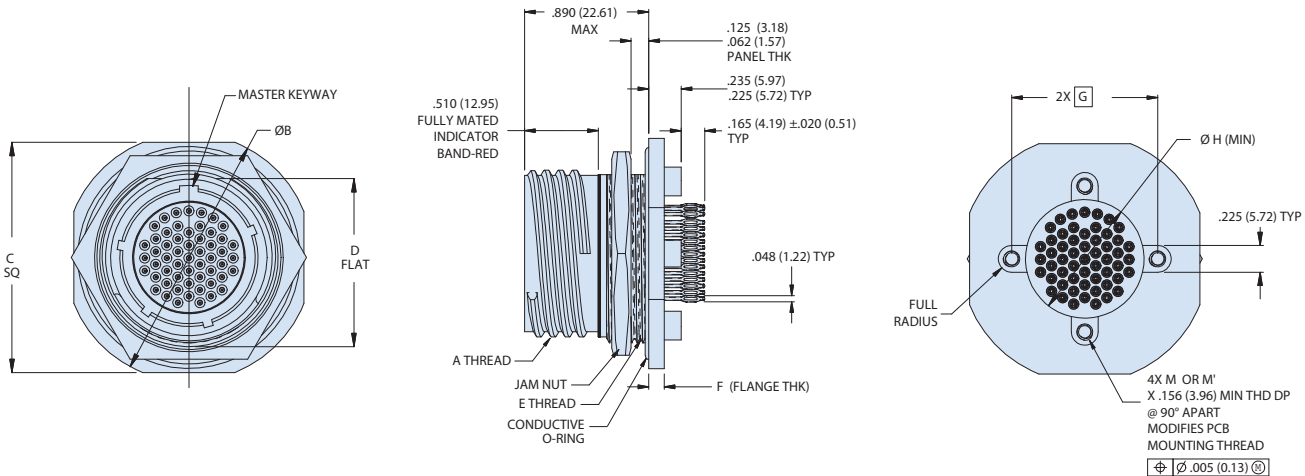


MIL-DTL-38999 Series III Type

233-292 PCB receptacle with thd standoffs and press fit contacts

ENVIRONMENTAL CONNECTORS

Part Number Development									
Sample Part Number	233-292				-07	NF	25-35	P	N
Series / Basic Part No.	233-292 = SuperNine PCB mount receptacle with press fit contacts								
Connector Style	07 = Receptacle, Jam Nut, Standoff Std Thd				17 = Receptacle, Jam Nut, Standoff Metric Thd				
Material/Finish	See Material/Finish Table								
Shell Size-Insert Arrangement*	See Table I; Per MIL-STD-1560								
Contact Type	P = Pin, Gold, 500 Cycles				S = Socket, Gold, 500 Cycle				
Alternate Polarization*	A, B, C, D, E, N = Normal (IAW MIL-DTL-38999 Series III)								



Material/Finish		
SYM	Material	Finish
NF	Aluminum Alloy	Cad/O.d. Over Electroless Nickel
MA		Electroless Nickel, Matte
ME		Electroless Nickel
MT		Nickel-Ptfe
ZN		Zinc-Nickel Olive Drab
ZR		Zinc Ni, Black (Tri-Valent Cr)
TZ		Tin-Zinc
TD	Titanium	Natural - No Plate
ZI	Stainless Steel	Passivate
ZL		Electrodeposited Nickel
AB		Marine Bronze

NOTES:

- Material/ finish:
 - Shell, locking, jam nut - See Table III
 - CONTACTS - copper alloy / see table V
 - Insulators - high grade rigid dielectric / N.A.
 - Seals - fluorosilicone blend / N.A.
 - Potting - epoxy / N.A.
 - O-ring - silver plated aluminum in fluorosilicone (CHO-SEAL 1298 or equivalent)
- GLENAIR'S 233-292 receptacle connector is designed to meet or exceed the mechanical, dimensional, electrical, and environmental requirements of MIL-DTL-38999, D38999/24, and MIL-STD-1560 except as shown and/or noted. receptacle mates with any QPL manufacturer's MIL-DTL-38999, Series III plug connector, D38999/26, having the same shell size, insert arrangement, and polarization.
- Glenair's 233-292 receptacle connector is designed to withstand a maximum of 500 mating durability cycles when mated to a "SuperNine" plug and appropriate contacts. Contact finish should be the same for both mating connectors to optimize performance.
- Press fit contact designed for use with .040±.003 plated thru hole.

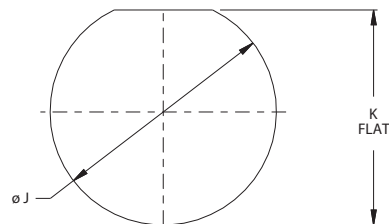
MIL-DTL-38999 Series III Type

233-292 PCB receptacle with thd standoffs and press fit contacts

ENVIRONMENTAL CONNECTORS

Dimensions												
Shell Size Code	Shell Size	A Thread	Ø B	C SQ	D Flat	E Thread ISO Metric	F	G BSC	Ø H Min	Threads		Insert Arrangement
										M	M'	
A	9	.6250 -0.1P-0.3L-TS-2A	1.200 (30.48)	1.078 (27.38)	.654 (16.61)	M17 X 1.0-6g	.113 .108	.594 (15.09)	.340 (8.64)	A2-CNU 04-211 STPECCA	96-5.0 X 3M STPECCA	9-35
			1.178 (29.92)	1.048 (26.62)	.645 (16.38)			.719 (18.26)	.468 (11.89)			11-35
B	11	.7500 -0.1P-0.3L-TS-2A	1.386 (35.20)	1.268 (32.21)	.755 (19.18)	M20 X 1.0-6g	.113 .108	.812 (20.62)	.572 (14.53)	A2-CNU 04-211 STPECCA	96-5.0 X 3M STPECCA	13-35
			1.362 (34.59)	1.236 (31.39)	.745 (18.92)			.906 (23.01)	.705 (17.91)			15-35
C	13	.8750 -0.1P-0.3L-TS-2A	1.512 (38.40)	1.390 (35.31)	.942 (23.93)	M25 X 1.0-6g	.145 .133	1.030 (26.16)	.830 (21.08)	A2-CNU 04-211 STPECCA	96-5.0 X 3M STPECCA	17-35
			1.488 (37.80)	1.358 (34.49)	.932 (23.67)			1.150 (29.21)	.934 (23.72)			19-35
D	15	1.0000 -0.1P-0.3L-TS-2A	1.949 (49.50)	1.827 (46.41)	1.316 (33.43)	M35 X 1.0-6g	.145 .133	1.221 (31.01)	1.055 (26.80)	A2-CNU 04-211 STPECCA	96-5.0 X 3M STPECCA	21-35
			1.925 (48.90)	1.795 (45.59)	1.306 (33.17)			1.360 (34.54)	1.160 (29.46)			23-35
E	17	1.1875 -0.1P-0.3L-TS-2A	2.201 (55.91)	2.079 (52.81)	1.566 (39.78)	M38 X 1.0-6g	.145 .133	1.475 (37.47)	1.307 (33.20)	A2-CNU 04-211 STPECCA	96-5.0 X 3M STPECCA	25-35
			2.051 (52.10)	1.921 (48.79)	1.431 (36.35)			1.6250 (41.65)	1.500 (38.10)			25-35
F	19	1.2500 -0.1P-0.3L-TS-2A	2.323 (59.00)	2.205 (56.01)	1.691 (42.95)	M41 X 1.0-6g	.145 .133	1.475 (37.47)	1.307 (33.20)	A2-CNU 04-211 STPECCA	96-5.0 X 3M STPECCA	25-35
			2.299 (58.39)	2.173 (55.19)	1.6 (40.64)			1.475 (37.47)	1.307 (33.20)			25-35
G	21	1.3750 -0.1P-0.3L-TS-2A	2.323 (59.00)	2.205 (56.01)	1.691 (42.95)	M44 X 1.0-6g	.145 .133	1.475 (37.47)	1.307 (33.20)	A2-CNU 04-211 STPECCA	96-5.0 X 3M STPECCA	25-35
			2.299 (58.39)	2.173 (55.19)	1.6 (40.64)			1.475 (37.47)	1.307 (33.20)			25-35

Panel Cut-Out			
Shell Size Code	Shell Size Ref	Ø J	K Flat
A	9	.703	.661
		.693	.654
B	11	.835	.771
		.825	.761
C	13	1.020	.955
		1.010	.945
D	15	1.145	1.085
		1.135	1.075
E	17	1.270	1.210
		1.260	1.200
F	19	1.395	1.335
		1.385	1.325
G	21	1.520	1.460
		1.510	1.450
H	23	1.645	1.585
		1.635	1.575
J	25	1.770	1.710
		1.760	1.700



Recommended Cut-Out Panel