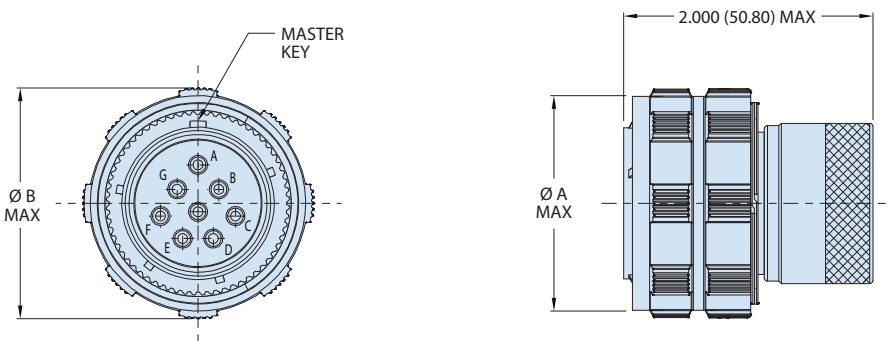


MIL-DTL-38999 Series III Type space-grade blind-mate 250-103 Environmental Connector, Shorting

ENVIRONMENTAL CONNECTORS

Part Number Development					
Sample Part Number	250-103	G6	NF	17-35	P N
Series / Basic Part No.	250-103 = Environmental Connector, Shorting				
Connector Style	G6 = In-line 00 = Wall Mount Thru Hole 07 = Receptacle, Jam Nut				
Material/Finish	See Table I				
Shell Size-Insert Arrangement	Per MIL-STD-1560				
Contact Type	P = Pin, S = Socket				
Alternate Polarization	A, B, C, D, N = (Normal)				

250-103 ENVIRONMENTAL CONNECTOR, SHORTING



G6 - PLUG WITH EMI SPRING
(REF: MIL-DTL-38999/26)

NOTES:

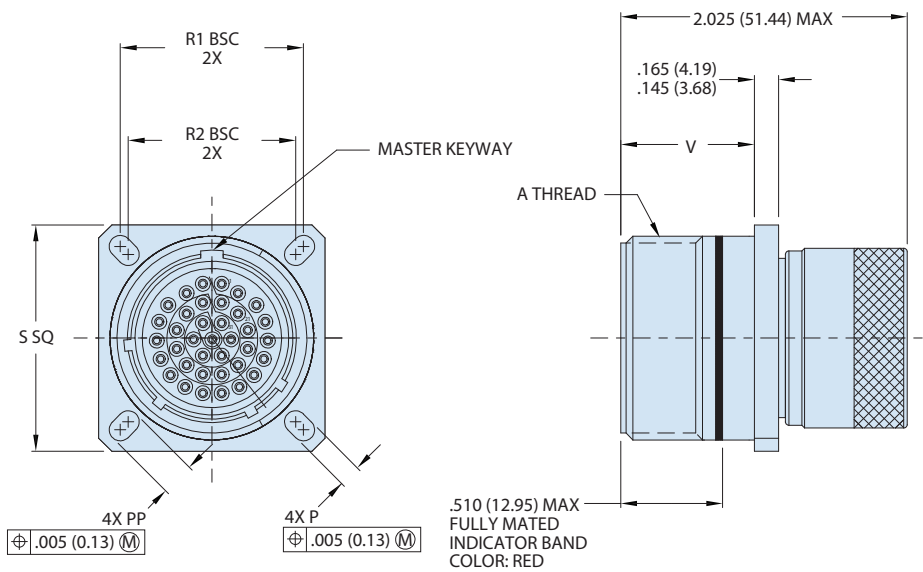
- Material / finish:
 - Shell barrel, coupling nut (See Table I)
 - Seals - fluorosilicone blend / N.A
 - Contact - copper alloy / gold plate
 - Insulators - high grade rigid dielectric / N.A
- Assembly is identified with Glenair's name, cage code, part number, and date code, space permitting.
- Glenair 250-103 shorting plug is designed to mate with any qpl manufacturer's MIL-DTL-38999, Series III mating receptacle having the same shell size, insert arrangement, and polarization.
- Insert arrangement is in accordance with MIL-STD-1560. Contact manufacturer for additional arrangement options.
- Insert arrangement shown is for reference only. Pin interface shown.
- All contacts are shorted to each other and to the shell. The maximum resistance as measured from any contact to the shell shall be 10 milliohms.
- Connector temp range: -55° c to 175° c. Contact manufacturer for additional options.
- Modified major dia. 31.80-31.95 (1.252-1.257)

Sym	Material	Finish
NF	Aluminum Alloy	Cad/O.D. Over Electroless Nickel
MT		Nickel-PTFE
ME		Electroless Nickel
MA		Electroless Nickel, Matte
ZR		Zinc Ni, Black (Tri-Valent Cr)
TZ		Tin-Zinc
MN		Mega-Nickel

Shell Size Code	Shell Size	Ø A MAX	Ø B MAX
A	09	0.732	0.858
B	11	0.839	0.984
C	13	1.008	1.157
D	15	1.138	1.280
E	17	1.276	1.406
F	19	1.382	1.516
G	21	1.508	1.642
H	23	1.626	1.768
J	25	1.752	1.890

**MIL-DTL-38999 Series III Type space-grade blind-mate
250-103 Environmental Connector, Shorting, Wall Mount**

250-103 ENVIRONMENTAL CONNECTOR, SHORTING, WALL MOUNT



00 - WALL MOUNT RECEPTACLE WITH SLOTTED HOLES (REF: MIL-DTL-38999/20)

ENVIRONMENTAL CONNECTORS

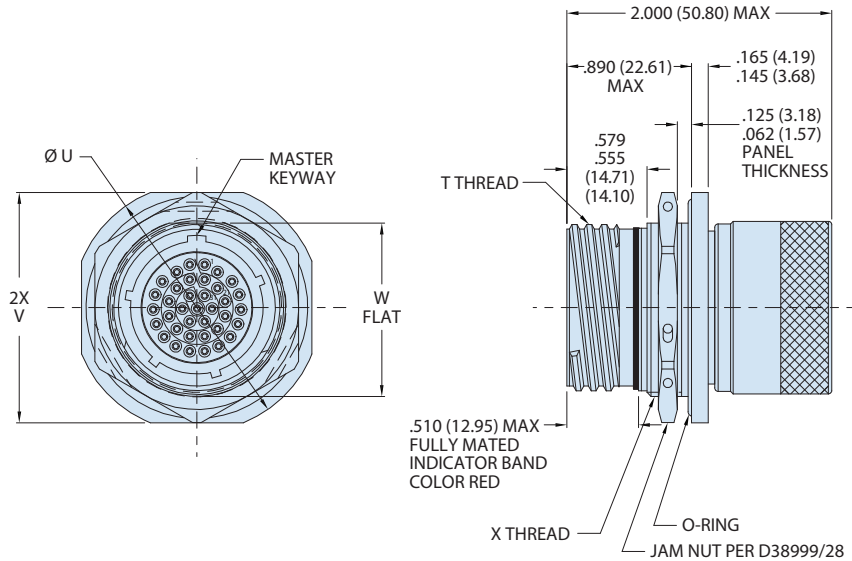
Table III - Wall Mount

Shell Size Code	Shell Size	A Thread	S Sq	R1 Bsc	R2 Bsc	P	PP	V	
A	9	.6250-.1P-.3L-TS-2A	.949 .925	0.719	0.594	.136 .120	.224 .208	.820 .771	
B	11	.7500-.1P-.3L-TS-2A	1.043 1.019	0.812	0.719		.202 .186		
C	13	.8750-.1P-.3L-TS-2A	1.138 1.114	0.906	0.812		.181 .165		
D	15	1.0000-.1P-.3L-TS-2A	1.232 1.208	0.969	0.906		.202 .186		
E	17	1.1875-.1P-.3L-TS-2A	1.323 1.299	1.062	0.969		.162 .146		.250 .234
F	19	1.2500-.1P-.3L-TS-2A	1.449 1.425	1.156	1.062				
G	21	1.3750-.1P-.3L-TS-2A	1.575 1.551	1.250	1.156				
H	23	1.5000-.1P-.3L-TS-2A	1.701 1.677	1.375	1.250			.790 .741	
J	25	1.6250-.1P-.3L-TS-2A	1.823 1.799	1.500	1.375				

**MIL-DTL-38999 Series III Type space-grade blind-mate
250-103 Environmental Connector, Shorting, Jam Nut Mount**

ENVIRONMENTAL CONNECTORS

250-103 ENVIRONMENTAL CONNECTOR, SHORTING, JAM NUT MOUNT



07 - JAM NUT RECEPTACLE
(REF: MIL-DTL-38999/24)

Table IV - Jam Nut Mount

Shell Size Code	Shell Size	T Thread	ØU	V	W Flat	X Thread
A	9	.6250-.1P-.3L-TS-2A	1.200 1.178	1.078 1.048	0.654 0.645	M17 X 1.0-6g 0.100R
B	11	.7500-.1P-.3L-TS-2A	1.386 1.362	1.268 1.236	0.755 0.745	M20 X 1.0-6g 0.100R
C	13	.8750-.1P-.3L-TS-2A	1.512 1.488	1.390 1.358	0.942 0.932	M25 X 1.0-6g 0.100R
D	15	1.0000-.1P-.3L-TS-2A	1.638 1.614	1.516 1.484	1.066 1.056	M28 X 1.0-6g 0.100R
E	17	1.1875-.1P-.3L-TS-2A	1.764 1.740	1.642 1.610	1.191 1.181	M32 X 1.0-6g 0.100R
F	19	1.2500-.1P-.3L-TS-2A	1.949 1.925	1.827 1.795	1.316 1.306	M35 X 1.0-6g 0.100R
G	21	1.3750-.1P-.3L-TS-2A	2.075 2.051	1.953 1.921	1.441 1.431	M38 X 1.0-6g 0.100R
H	23	1.5000-.1P-.3L-TS-2A	2.201 2.177	2.079 2.047	1.566 1.556	M41 X 1.0-6g 0.100R
J	25	1.6250-.1P-.3L-TS-2A	2.323 2.299	2.205 2.173	1.691 1.681	M44 X 1.0-6g 0.100R