

THREADED COUPLING, MIL-DTL-5015 TYPE Harsh Environment Power and Signal Interconnects



250-014 Hermetic Solder Mount, Solder Cup or Eyelet Pin Contact MS3143 Type

HERMETIC CONNECTORS

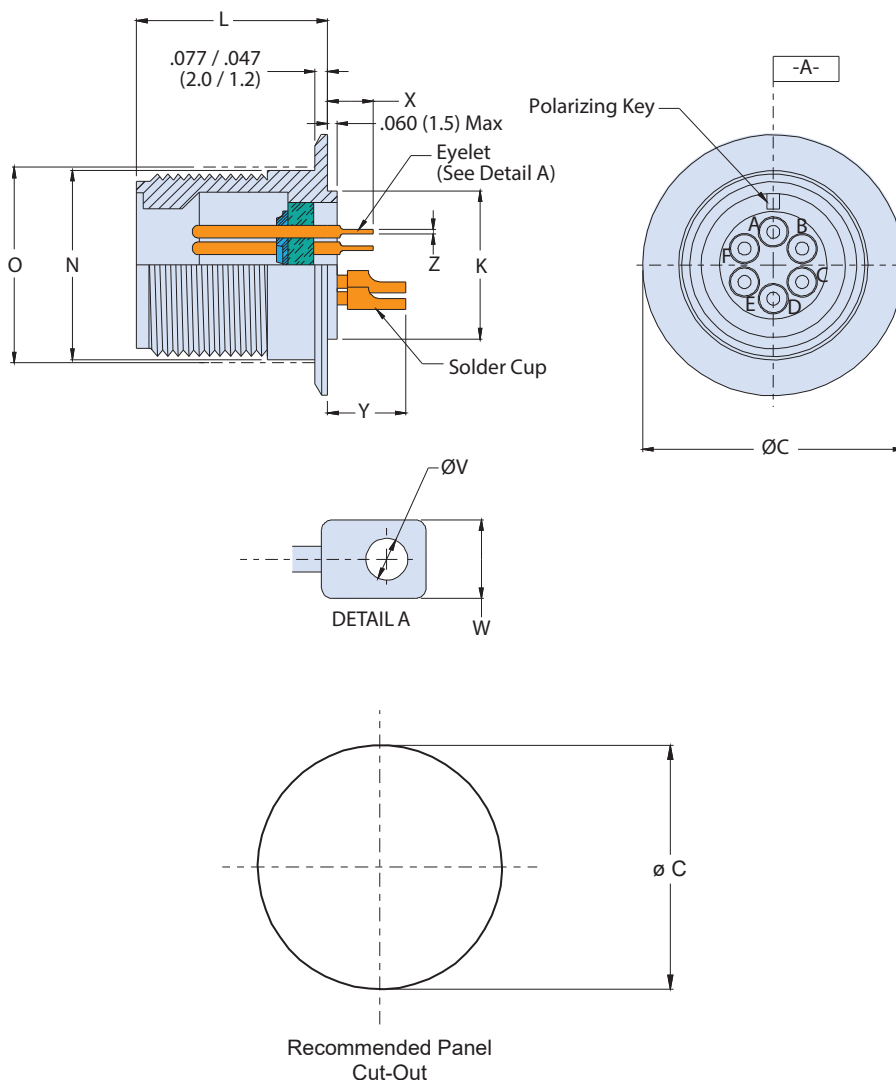


HOW TO ORDER					
Sample Part Number	250-014	Z1	14-6	P	X
Basic Part Number	250-014 = solder mount receptacle				
Material/Finish	FT = fused tin over ferrous steel Z1 = passivated stainless steel				
Shell Size - Insert Arrangement	Shell size - insert arrangements per MIL-STD-1651 on page 2				
Termination Type	P = solder cup, pin X = eyelet, pin S = solder cup, socket Z = eyelet, socket				
Alternate Insert Position	W, X, Y, Z, OMIT for normal; alternate key positions on page 4				

NOTES:

- To be identified with manufacturer's name, part number and date code, space permitting.
- Front panel mount square flange receptacle with through mounting holes.
- Glenair 250-013 will mate with any MIL-DTL-5015 Series threaded coupling plug of same size and insert polarization.
- Performance:
 - Hermeticity: $<1 \times 10^{-6}$ cc/Sec @ 1 Atm. differential.
 - DWV: see page 2.
 - IR: 5000 Megohms min @ 500VDC.
- Material/Finish:
 - Shell*: fused tin over ferrous steel/ Z1 passivated stainless steel.
 - Contacts: 52 Nickel alloy/gold plate
 - Seals: silicone elastomer.
 - Insulation: glass beads, NOIBN
 - Socket insulator: rigid dielectric.

* Additional shell materials available, including titanium and Inconel®. Consult factory for ordering information.



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TABLE I: CONTACT DIMENSIONS

Contact Size	X Max	Y Max	Z Min	V Min	W Max
16	.219 (5.6)	.375 (9.5)	.020 (0.5)	.065 (1.7)	.115 (2.9)
12	.281 (7.1)	.516 (13.1)	.020 (0.5)	.096 (2.4)	.190 (4.8)
8	.700 (17.8)	.719 (18.3)	.040 (1.0)	.135 (3.4)	.330 (8.4)
4	.900 (22.9)	.980 (24.9)	.050 (1.3)	.220 (5.6)	.440 (11.2)
0	.900 (22.9)	.980 (24.9)	.090 (2.3)	.335 (8.5)	.605 (15.4)

Note: Contact sizes 4 and 0 are not available for "S" size shells (8S, 10S, 10SL, 12S, 14S, and 16S) and size 12 and 14

TABLE II: SERVICE RATING

Service Rating	Working Voltage (Volts RMS)
INST	200
A	500
D	900
E	1250
B	1750
C	3000

TABLE III: CONNECTOR DIMENSIONS

Size	C Dia ±.010 (0.25)	K Dia ±.010 (0.25)	L Max		N Dia +.000 -.062 (+.000 -.1.6)	O Dia (Ref) Mtg Hole
			Contact Size			
			16, 12 & 8	4 & 0		
8S	.750 (19.1)	.428 (10.9)	.730 (18.5)	-	.532 (13.5)	.562 (14.3)
10S	.875 (22.2)	.490 (12.4)	.730 (18.5)	-	.656 (16.7)	.688 (17.5)
10SL	.875 (22.2)	.490 (12.4)	.730 (18.5)	-	.656 (16.7)	.688 (17.5)
12S	1.000 (25.4)	.646 (16.4)	.730 (18.5)	-	.782 (19.9)	.812 (20.6)
12	1.000 (25.4)	.646 (16.4)	.915 (23.2)	-	.782 (19.9)	.812 (20.6)
14S	1.125 (28.6)	.709 (18.0)	.730 (18.5)	-	.906 (23.0)	.938 (23.8)
14	1.125 (28.6)	.709 (18.0)	.915 (23.2)	-	.906 (23.0)	.938 (23.8)
16S	1.250 (31.8)	.834 (21.2)	.730 (18.5)	1.040 (26.4)	1.032 (26.2)	1.062 (27.0)
16	1.250 (31.8)	.834 (21.2)	.834 (21.2)	1.040 (26.4)	1.032 (26.2)	1.062 (27.0)
18	1.375 (34.9)	.959 (24.4)	.915 (23.2)	1.040 (26.4)	1.156 (29.4)	1.188 (30.2)
20	1.500 (38.1)	1.146 (29.1)	.915 (23.2)	1.040 (26.4)	1.282 (32.6)	1.312 (33.3)
22	1.625 (41.3)	1.240 (31.5)	.915 (23.2)	1.040 (26.4)	1.406 (35.7)	1.438 (36.5)
24	1.750 (44.5)	1.365 (34.7)	.915 (23.2)	1.040 (26.4)	1.532 (38.9)	1.562 (39.7)
28	2.000 (50.8)	1.615 (41.0)	.915 (23.2)	1.040 (26.4)	1.782 (45.3)	1.812 (46.0)
32	2.250 (57.2)	1.865 (47.4)	.915 (23.2)	1.040 (26.4)	2.032 (51.6)	1.062 (27.0)
36	2.500 (63.5)	2.115 (53.7)	.915 (23.2)	1.040 (26.4)	2.282 (58.0)	2.500 (63.5)
40	2.750 (69.9)	2.365 (60.1)	.915 (23.2)	1.040 (26.4)	2.532 (64.3)	2.750 (69.9)
44	3.000 (76.2)	2.615 (66.4)	.915 (23.2)	1.040 (26.4)	2.782 (70.7)	3.000 (76.2)
48	3.250 (82.6)	2.865 (72.8)	.915 (23.2)	1.040 (26.4)	3.032 (77.0)	3.250 (82.6)

HERMETIC LEAK RATE MOD CODE

Designator	Required Leak Rate
-585A	1 x 10 ⁻¹⁰ cc Helium per second
-585B	1 x 10 ⁻⁹ cc Helium per second
-585C	1 x 10 ⁻⁸ cc Helium per second

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