

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



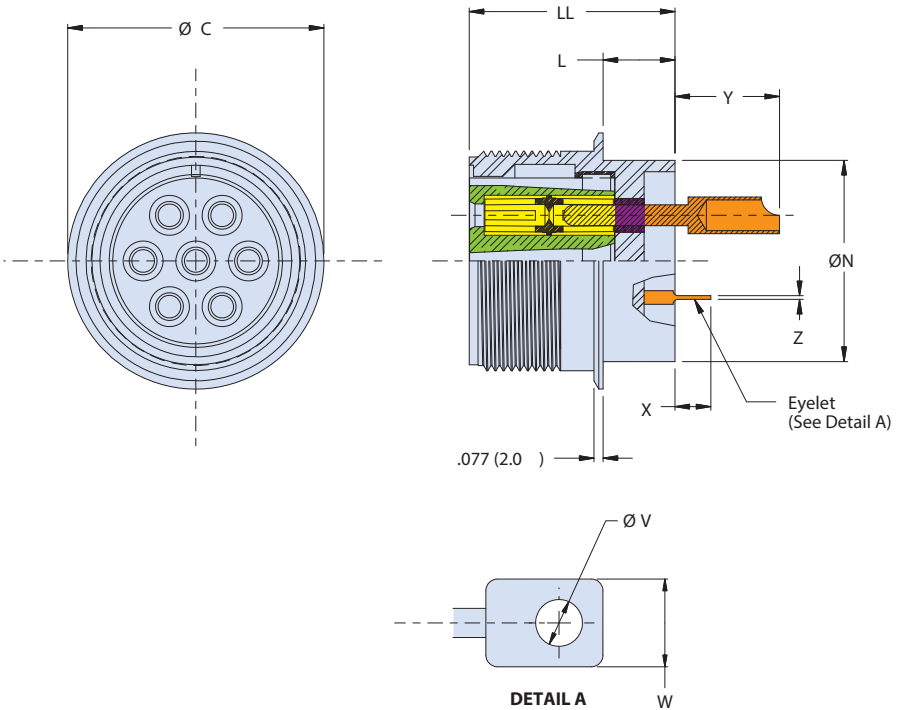
250-016 Hermetic Solder Mount Receptacle, Solder Cup or Eyelet Socket Contact
MS3143 Type



NOTES:

- 1. Material/Finish:
 - A. Shell: see material finish
- 2. Assembly to be identified with Glenair's name, part number and date code, space permitting.
- 3. Performance:
 - A. Hermeticity: <1 X10⁻⁶ ccHe/Sec @ 1 atmosphere differential.
 - B. DWV: See Table II.
 - C. IR: 5000 Megohms minimum @ 500VDC.
- 4. Glenair 250-015 will mate with any MIL-DTL-5015 threaded coupling plug of same size and insert polarization.

HOW TO ORDER					
Sample Part Number	250-016	Z1	24-10	S	X
Basic Part Number	250-016 = 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	S = solder cup Z = eyelet				
Alternate Insert Position	W, X, Y, Z, OMIT for normal; alternate key positions on page 4				



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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 (0.3)	L ± .010 (0.3)	LL Max	N Dia + .000 - .062	O Dia (Ref) Mtg Hole
12S	1.000 (25.4)	.438 (11.1)	1.094 (27.8)	.782 (19.9)	.812 (20.6)
12	1.000 (25.4)	.438 (11.1)	1.282 (32.6)	.782 (19.9)	.812 (20.6)
14S	1.125 (28.6)	.438 (11.1)	1.094 (27.8)	.906 (23.0)	.938 (23.8)
14	1.125 (28.6)	.438 (11.1)	1.282 (32.6)	.906 (23.0)	.938 (23.8)
16S	1.250 (31.8)	.438 (11.1)	1.094 (27.8)	1.032 (26.2)	1.062 (27.0)
16	1.250 (31.8)	.438 (11.1)	1.282 (32.6)	1.032 (26.2)	1.062 (27.0)
18	1.375 (34.9)	.438 (11.1)	1.282 (32.6)	1.156 (29.4)	1.188 (30.2)
20	1.500 (38.1)	.438 (11.1)	1.282 (32.6)	1.282 (32.6)	1.312 (33.3)
22	1.625 (41.3)	.438 (11.1)	1.282 (32.6)	1.406 (35.7)	1.438 (36.5)
24	1.750 (44.5)	.563 (14.3)	1.406 (35.7)	1.532 (38.9)	1.562 (39.7)
28	2.000 (50.8)	.563 (14.3)	1.406 (35.7)	1.782 (45.3)	1.812 (46.0)
32	2.250 (57.2)	.563 (14.3)	1.406 (35.7)	2.032 (51.6)	2.062 (53.4)
36	2.500 (63.5)	.563 (14.3)	1.406 (35.7)	2.282 (58.0)	2.500 (63.5)
40	2.750 (69.9)	.563 (14.3)	1.406 (35.7)	2.532 (64.3)	2.750 (69.9)
44	3.000 (76.2)	.563 (14.3)	1.406 (35.7)	2.782 (70.7)	3.000 (76.2)
48	3.250 (82.6)	.563 (14.3)	1.406 (35.7)	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

HERMETIC CONNECTORS

VISIT CATALOG