

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



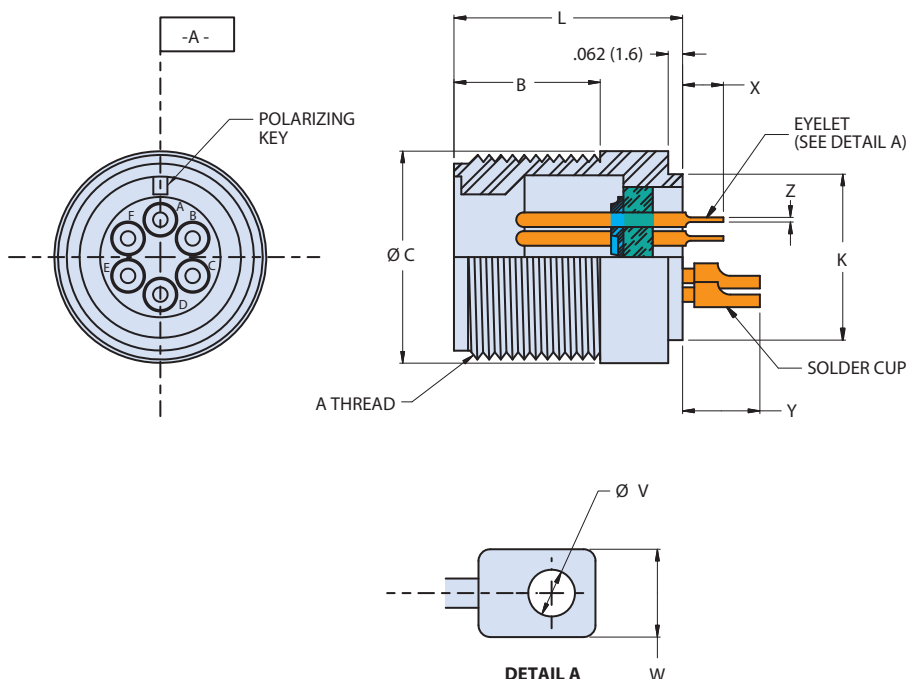
250-025 Hermetic Flangeless Mount Receptacle, Solder Cup or Eyelet Termination MS3143 Type

HERMETIC CONNECTORS

HOW TO ORDER					
Sample Part Number	250-025	Z1	14-6	X	X
Basic Part Number	250-025 = flangeless 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 X = eyelet				
Alternate Insert Position	W, X, Y, Z, OMIT for normal; alternate key positions on page 4				

NOTES:

- Material/Finish:
 - Shell: see how to order table
 - Contacts: 52 nickel alloy/gold plate
 - Seals: silicone elastomer
 - Insulator: full glass
- Assembly to be identified with glenair's name, part number and date code, space permitting.
- Performance:
 - Hermeticity: $<1 \times 10^{-7}$ cc/sec @ 1 atmosphere differential.
 - DWV: see Table II.
 - IR - 5000 megohms minimum @ 500 vdc.
- Glenair 250-016 will mate with any MIL-DTL-5015 threaded coupling plug of same size and insert polarization.



VISIT CATALOG

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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	A Thread Class 2A	B Min Thread	C Dia ± .010 (0.3)	K Dia ± .010 (0.3)	L Max Contact Size	
					16, 12, 8	4 and 0
8S	.500-28 UNEF	.375 (9.5)	.500 (12.7)	.438 (11.1)	.730 (18.5)	---
10S	.625-24 UNEF	.375 (9.5)	.625 (15.9)	.500 (12.7)	.730 (18.5)	---
10SL	.625-24 UNEF	.375 (9.5)	.625 (15.9)	.500 (12.7)	.730 (18.5)	---
12S	.750-20 UNEF	.375 (9.5)	.750 (19.1)	.656 (16.7)	.730 (18.5)	---
12	.750-20 UNEF	.625 (15.9)	.750 (19.1)	.656 (16.7)	.915 (23.2)	---
14S	.875-20 UNEF	.375 (9.5)	.875 (22.2)	.719 (18.3)	.730 (18.5)	---
14	.875-20 UNEF	.625 (15.9)	.875 (22.2)	.719 (18.3)	.915 (23.2)	---
16S	1.000-20 UNEF	.375 (9.5)	1.000 (25.4)	.844 (21.4)	.730 (18.5)	1.040 (26.4)
16	1.000-20 UNEF	.625 (15.9)	1.000 (25.4)	.844 (21.4)	.915 (23.2)	1.040 (26.4)
18	1.125-18 UNEF	.625 (15.9)	1.125 (28.6)	.969 (24.6)	.915 (23.2)	1.040 (26.4)
20	1.250-18 UNEF	.625 (15.9)	1.250 (31.8)	1.156 (29.4)	.915 (23.2)	1.040 (26.4)
22	1.375-18 UNEF	.625 (15.9)	1.375 (34.9)	1.250 (31.8)	.915 (23.2)	1.040 (26.4)
24	1.500-18 UNEF	.625 (15.9)	1.500 (38.1)	1.375 (34.9)	.915 (23.2)	1.040 (26.4)
28	1.750-18 UNS	.625 (15.9)	1.750 (44.5)	1.625 (41.3)	.915 (23.2)	1.040 (26.4)
32	2.000-18 UNS	.625 (15.9)	2.000 (50.8)	1.875 (47.6)	.915 (23.2)	1.040 (26.4)
36	2.250-16 UN	.625 (15.9)	2.250 (57.2)	2.125 (54.0)	.915 (23.2)	1.040 (26.4)
40	2.500-16 UN	.625 (15.9)	2.500 (63.5)	2.375 (60.3)	.915 (23.2)	1.040 (26.4)
44	2.750-16 UN	.625 (15.9)	2.750 (69.9)	2.625 (66.7)	.915 (23.2)	1.040 (26.4)
48	3.000-16 UN	.625 (15.9)	3.000 (76.2)	2.875 (73.0)	.915 (23.2)	1.040 (26.4)

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