

Connector Style
Jam Nut Mount Hermetic Receptacle

Insert Arrangement
Per MIL-STD-1651
(See Page G-2)

Alternate Key Position
W, X, Y, or Z
(Omit for Normal)
(See Page G-4)

257**- 384****Z1****14****- 6****C****X****V**

**Series 257
MIL-DTL-5015
Type Hermetic**

Material Designation

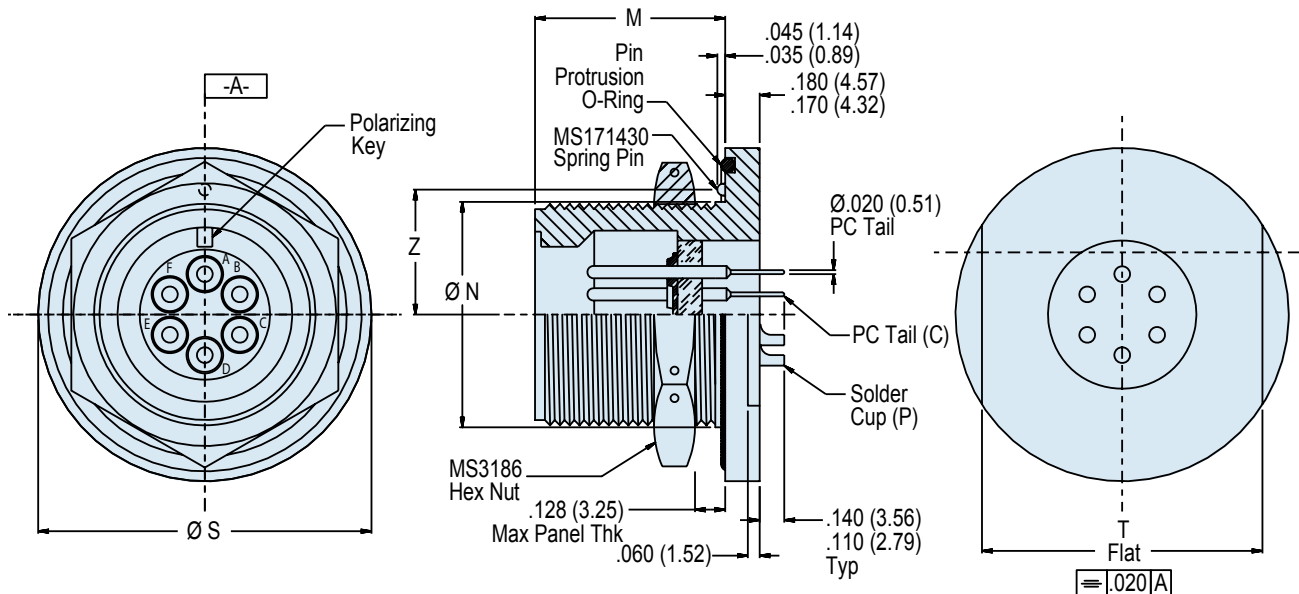
FT = Fused Tin over Ferrous Steel
Z1 = Passivated Stainless Steel
ZL = Nickel Plated Stainless Steel

Shell Size

Termination Type

P = Solder Cup
C = PC Tail

O-Ring Material
(See Table III)



APPLICATION NOTES

- Material/Finish:**
Shell - FT - Fused tin over Carbon steel
Z1 - Passivated stainless steel
ZL - Nickel plated stainless steel
Contacts - 52 Nickel alloy/Gold plate
Seals - Fluorosilicone elastomer/N.A.
Insulator - Full vitreous glass
O-Ring - Specify per Table III
- 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.
Dielectric Withstanding Voltage - See Table II.
Insulation Resistance - 5000 Megohms minimum @ 500VDC.
- Glenair 257-384 will mate with any MIL-DTL-5015 threaded coupling plug of same size and insert polarization.
- Metric dimensions (mm) are in parenthesis.

Dimensions in Inches (millimeters) are subject to change without notice.

257-384
MIL-DTL-5015 Type Hermetic
Jam Nut Mount Mount Receptacle Connector
MS3404 Type



MIL-DTL-5015
Type

TABLE I: CONNECTOR DIMENSIONS

Size	M ± .005 (0.1)	Ø N +.000 -.005 (+0.0 -0.1)	Ø O +.015 -.000 (+0.4 -0.0)	Ø S ± .005 (0.1)	T ± .010 (0.3) Flats	Z ± .005 (0.1)
8S	.720 (9.5)	.500 (12.7)	.505 (12.8)	1.072 (27.2)	.865 (22.0)	.326 (8.3)
10S	.720 (9.5)	.625 (15.9)	.630 (16.0)	1.193 (30.3)	.990 (25.1)	.385 (9.8)
10SL	.720 (9.5)	.625 (15.9)	.630 (16.0)	1.193 (30.3)	.990 (25.1)	.385 (9.8)
12S	.720 (9.5)	.750 (19.1)	.755 (19.2)	1.317 (33.5)	1.050 (26.7)	.448 (11.4)
12	.966 (24.5)	.750 (19.1)	.755 (19.2)	1.317 (33.5)	1.050 (26.7)	.448 (11.4)
14S	.720 (9.5)	.875 (22.2)	.880 (22.4)	1.443 (36.7)	1.175 (29.8)	.510 (13.0)
14	.966 (24.5)	.875 (22.2)	.880 (22.4)	1.443 (36.7)	1.175 (29.8)	.510 (13.0)
16S	.720 (9.5)	1.000 (25.4)	1.005 (25.5)	1.567 (39.8)	1.300 (33.0)	.573 (14.6)
16	.966 (24.5)	1.000 (25.4)	1.005 (25.5)	1.567 (39.8)	1.300 (33.0)	.573 (14.6)
18	.966 (24.5)	1.125 (28.6)	1.130 (28.7)	1.693 (43.0)	1.425 (36.2)	.635 (16.1)
20	.966 (24.5)	1.250 (31.8)	1.255 (31.9)	1.817 (46.2)	1.550 (39.4)	.698 (17.7)
22	.966 (24.5)	1.375 (34.9)	1.380 (35.1)	1.943 (49.4)	1.550 (39.4)	.760 (19.3)
24	.966 (24.5)	1.500 (38.1)	1.505 (38.2)	2.067 (52.5)	1.800 (45.7)	.823 (20.9)
28	.966 (24.5)	1.750 (44.5)	1.755 (44.6)	2.317 (58.9)	1.925 (48.9)	.948 (24.1)
32	.966 (24.5)	2.000 (50.8)	2.005 (50.9)	2.567 (65.2)	2.175 (55.2)	1.073 (27.3)
36	.966 (24.5)	2.250 (57.2)	2.255 (57.3)	2.817 (71.6)	2.550 (64.8)	1.198 (30.4)
40	.966 (24.5)	2.500 (63.5)	2.505 (63.6)	3.061 (77.7)	2.800 (71.1)	1.323 (33.6)
44	.966 (24.5)	2.750 (69.9)	2.755 (70.0)	3.311 (84.1)	3.050 (77.5)	1.448 (36.8)
48	.966 (24.5)	3.000 (76.2)	3.005 (76.3)	3.561 (90.4)	3.300 (83.8)	1.573 (40.0)

**TABLE II:
SERVICE RATING**

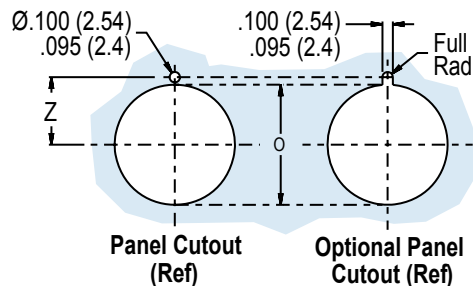
Service Rating	Test Voltages (Sea-Level) (Volts-RMS)	Working Voltage (Sea-Level) (Volts RMS)
INST	1000	200
A	2000	500
D	2800	900
E	3500	1250
B	4500	1750
C	7000	3000

TABLE III: O-RINGS

Sym	Material
F	Fluorosilicone (Non-Conductive)
E	EPDM (Ethylene-Propylene)
V	Viton (Fluorocarbon, FKM)
N	Nitrile (Buna-N, NBR)
S	Silicone (ZZ-R-765)
B	Butyl Rubber (IIR)
K	Kalrez (FFKM)

HERMETIC LEAK RATE MOD CODES

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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