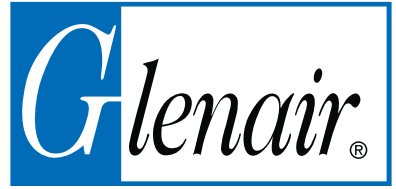

APPLICATION NOTES

- Material/Finish:
Shell: FT - Fused Tin over Carbon Steel
Z1 - Passivated Stainless Steel
Contacts - 52 Nickel Alloy/Gold Plate
Sockets - Copper Alloy/Gold Plate
Insulator - Glass/N.A.
Socket Insulator - Rigid Dielectric/N.A.
- 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 250-016 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.

250-016
MIL-DTL-5015 Type Hermetic
Threaded Coupling Solder Mount Receptacle Connector
MS3143 Type Sockets



MIL-DTL-5015
Type

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

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

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)

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