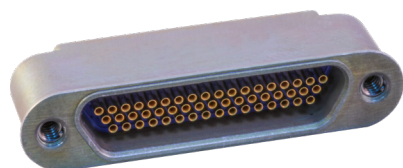


MICRO-D MIL-DTL-83513 Type Hermetic Connectors



GLI-24042-1

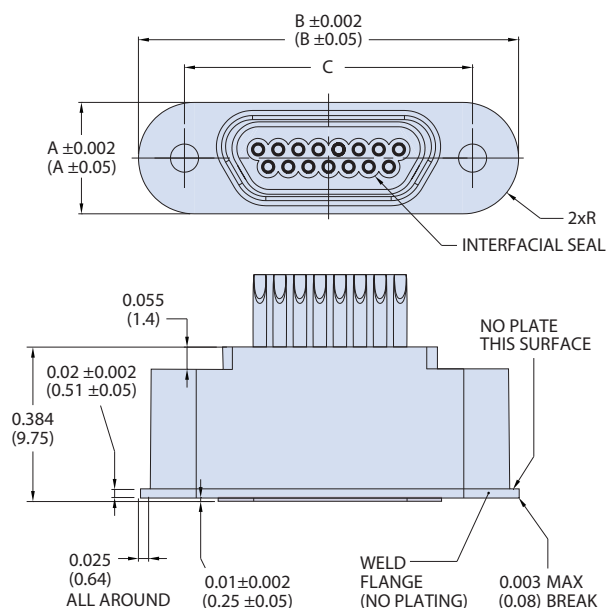
Front weld panel mount receptacle, PC tail or solder cup socket contacts



**MATES
WITH
All** **83513**
Pin
Connectors

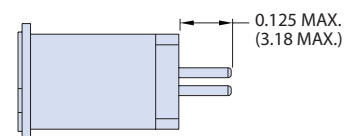
Micro-D hermetic connectors feature Kovar® alloy shells, in compliance with applicable MIL-DTL-83513 space requirements, and a matched glass-to-metal seal. Helium leak rate is 1×10^{-7} cc's per second. Connectors are 100% intermateable with standard connectors. GLI-24042-1 connectors are available with solder cup or PC tail socket contacts. Socket contacts are Kovar® alloy with gold plating. Front panel mount design requires soldering, brazing or welding to panel.

HOW TO ORDER			
Sample Part Number	GLI-24042-1 -21 -SC		
Series	GLI-24042-1 = Glass Sealed Hermetic Receptacle		
Contact Layout	9, 15, 21, 25, 31, 37, 51		
Contact Type	SP = Socket PC tail termination SC = Socket solder cup termination		

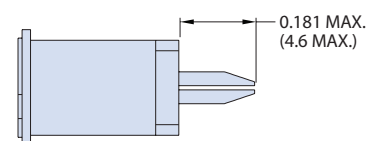


DIMENSIONS			
Layout	A	B	C - Basic
9	0.277 (7.04)	0.795 (20.19)	0.565 (14.35)
15	0.277 (7.04)	0.945 (24.00)	0.715 (18.16)
21	0.277 (7.04)	1.095 (27.81)	0.865 (21.97)
25	0.277 (7.04)	1.195 (30.35)	0.965 (24.51)
31	0.277 (7.04)	1.345 (34.16)	1.115 (28.32)
37	0.277 (7.04)	1.495 (37.97)	1.265 (32.13)
51	0.320 (8.13)	1.445 (36.70)	1.215 (30.86)

2 CONTACT ROWS
9 - 37 PIN CONFIGURATIONS

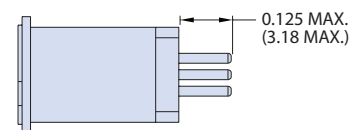


PC TAILS

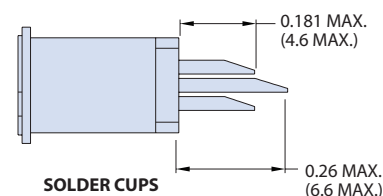


SOLDER CUPS

3 CONTACT ROWS
51 PIN CONFIGURATION



PC TAILS



SOLDER CUPS

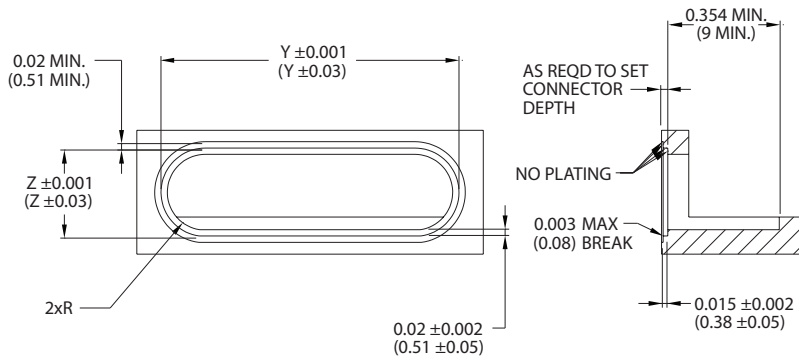
MICRO-D MIL-DTL-83513 Type Hermetic Connectors



GLI-24042-1

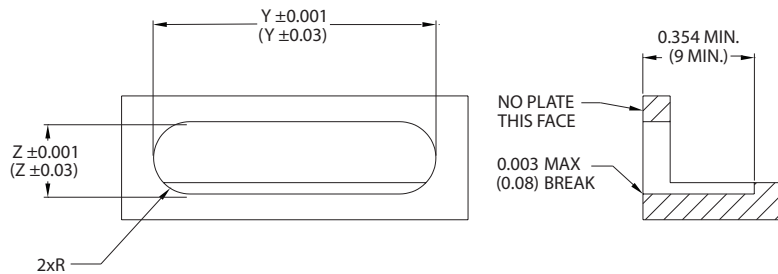
Front weld panel mount receptacle, PC tail or solder cup socket contacts

GLI-24042-1 WELD CAVITY DETAIL (BUTT WELD)



PANEL CUTOUT DIMENSIONS		
Layout	Butt Weld	
	Y	Z
9	0.798 (20.27)	0.280 (7.11)
15	0.948 (24.08)	0.280 (7.11)
21	1.098 (27.89)	0.280 (7.11)
25	1.198 (30.43)	0.280 (7.11)
31	1.348 (34.24)	0.280 (7.11)
37	1.498 (38.05)	0.280 (7.11)
51	1.448 (36.78)	0.323 (8.20)

GLI-24042-1 WELD CAVITY DETAIL (LAP WELD)



PANEL CUTOUT DIMENSIONS		
Layout	Lap Weld	
	Y	Z
9	0.748 (19.00)	0.230 (5.84)
15	0.898 (22.81)	0.230 (5.84)
21	1.048 (26.62)	0.230 (5.84)
25	1.148 (29.16)	0.230 (5.84)
31	1.298 (32.97)	0.230 (5.84)
37	1.448 (36.78)	0.230 (5.84)
51	1.398 (35.51)	0.273 (6.93)

NOTES

- Glenair's GLI-24042-1 hermetic connector mates with all standard MIL-DTL-83513 pin connectors
- The connector may be back potted.

PERFORMANCE:

- Hermeticity: 1×10^{-7} SCCHE/SEC @ 1 atmosphere differential.
- Dielectric withstanding voltage: sea level 150 VAC.
- Insulator resistance: 5000 megaohms min.
- Insulator, hermetic: full glass
- O-ring: as specified

MATERIAL/FINISH

- Shell: Kovar® alloy / electro-deposited nickel
- Socket contacts: Kovar® alloy / gold plate
- Insulator: full glass / N.A.
- Interfacial seal: fluorosilicone elastomer / N.A.