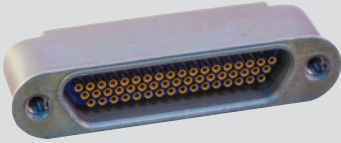


GLASS SEALED HERMETIC MIL-DTL-83513 Micro-D Connectors



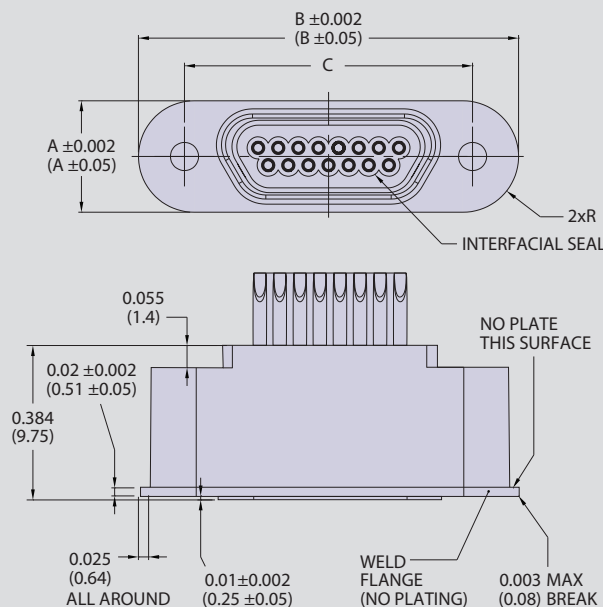
How To Order			
Sample Part Number		GLI-24042-1	-25 -SC
Series	GLI-24042-1 = Glass Sealed Hermetic Receptacle Weld Mount		
Shell Size	Pin counts 9, 15, 21, 25, 31, 37, 51 per MIL-PRF-83513		
Contact Type	SP = socket PC tail termination SC = socket solder cup termination		

NOTES

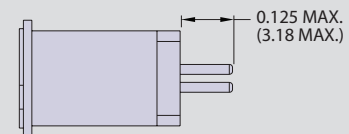
- Type of connector:
Hermetic connectors solder cup or PC tail options
- Material / finish:
 - Shell: kovar alloy / electro-deposited nickel
 - Socket contacts: kovar alloy / gold plate
 - Insulator: full glass / N.A.
 - Interfacial seal: fluorosilicone elastomer / N.A.
- Performance:
 - Hermeticity: 1×10^{-7} cc/hr @ 1 atmosphere differential.
 - Dielectric withstanding voltage: sea level 150 VAC.
 - Insulator resistance: 5000 megaohms min.
- Glenair's GLI-24042-1 hermetic connector mates with all standard MIL-DTL-83513 pin connectors.
- The connector may be back potted.

GLI-24042-1 GLASS SEALED HERMETIC RECEPTACLE WELD MOUNT

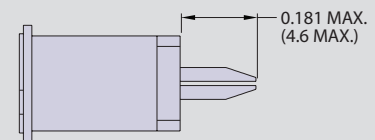
Dimensions			
No. of Contacts	A	B	C - Basic
9	0.277 (7.04)	0.795 (20.19)	0.565 (14.35)
15	0.277 (7.04)	0.945 (24.00)	0.715 (18.16)
21	0.277 (7.04)	1.095 (27.81)	0.865 (21.97)
25	0.277 (7.04)	1.195 (30.35)	0.965 (24.51)
31	0.277 (7.04)	1.345 (34.16)	1.115 (28.32)
37	0.277 (7.04)	1.495 (37.97)	1.265 (32.13)
51	0.320 (8.13)	1.445 (36.70)	1.215 (30.86)



2 CONTACT ROWS 9 - 37 PIN CONFIGURATIONS

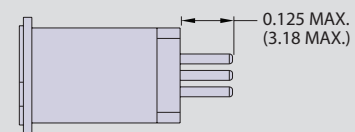


PC TAILS

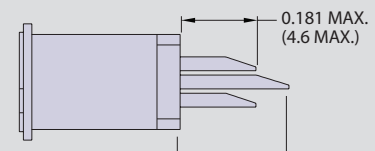


SOLDER CUPS

3 CONTACT ROWS 51 PIN CONFIGURATION



PC TAILS

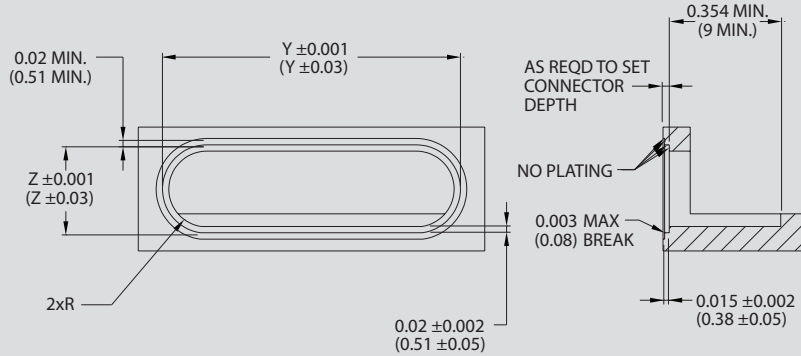


SOLDER CUPS

GLASS SEALED HERMETIC MIL-DTL-83513 Micro-D Connectors

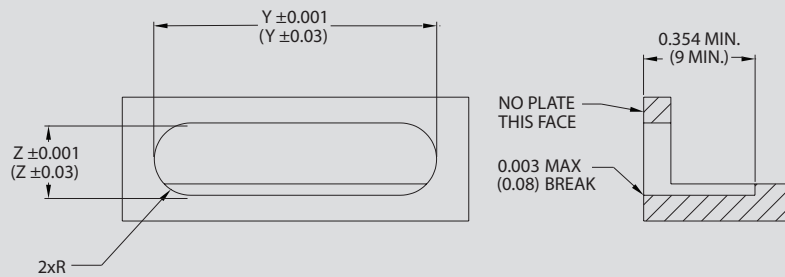


GLI-24042-1 WELD CAVITY DETAIL (BUTT WELD)



Panel Cutout Dimensions		
No. of Contacts	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		
No. of Contacts	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)