

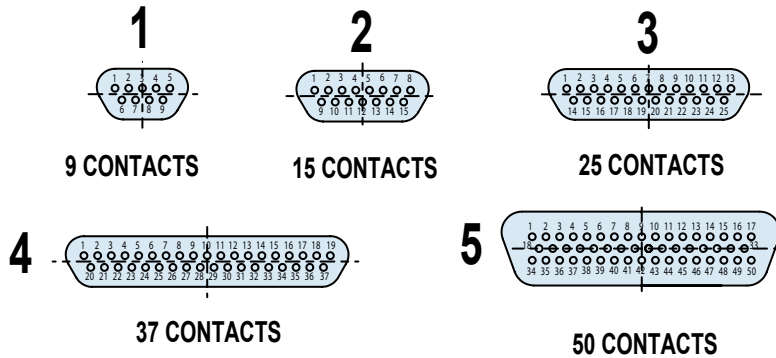
APPLICATION NOTES

- To be identified with manufacturer's name, part number and date code, space permitting.
- Contact Style: Pin-to-Pin only (See Part Number Development).
- All dimensions are typical for flange types "A" and "B." "C" dim is not applicable to flange type "A."
- Material/Finish:
Shell: FT = Carbon steel/tin plated.
Z1 = Stainless steel/passivated.
P = Stainless steel/nickel plated.
Insulators: Glass bead/N.A.
Contacts: Pins, Alloy 52/gold plated
- Performance:
DWV - 750 VAC Pin-to-Shell
I.R. - 5,000 MegOhms Min @ 500 VDC
Hermeticity - 1×10^{-7} scc He/sec @ 1 atmosphere differential
- Glenair 280-009 will mate with any QPL MIL-DTL-24308/1, /2 and /23 receptacle of the same size and arrangement.
- Metric dimensions (mm) are indicated in parentheses.

280-009
MIL-DTL-24308/9 Type Hermetic
D-Subminiature Pin-to-Pin Feedthrough



MIL-DTL
24308



HERMETIC LEAK RATE MOD CODES	
Designator	Required Leak Rate
-585A	1 x 10 ⁻¹⁰ cc's Helium per second
-585B	1 x 10 ⁻⁹ cc's Helium per second
-585C	1 x 10 ⁻⁸ cc's Helium per second

TABLE I: CONNECTOR DIMENSIONS							
Shell Size	Dim A	Dim B	Dim C	Dim D	Dim E	Dim H	Dim K
	± .015 (± 0.4)	± .004 (± 0.1)	± .005 (± 0.1)	± .004 (± 0.1)	± .010 (± 0.3)	± .006 (± 0.2)	± .010 (± 0.3)
1	1.213 (30.8)	.667 (16.9)	.984 (25.0)	.330 (8.4)	.498 (12.6)	.094 (2.4)	.235 (6.0)
2	1.541 (39.1)	.993 (25.2)	1.312 (33.3)	.330 (8.4)	.498 (12.6)	.094 (2.4)	.235 (6.0)
3	2.088 (53.0)	1.535 (39.0)	1.852 (47.0)	.330 (8.4)	.498 (12.6)	.103 (2.6)	.230 (5.8)
4	2.729 (69.7)	2.183 (55.4)	2.500 (63.5)	.330 (8.4)	.498 (12.6)	.103 (2.6)	.230 (5.8)
5	2.635 (66.9)	2.079 (52.8)	2.406 (61.1)	.441 (11.2)	.610 (15.5)	.103 (2.6)	.230 (5.8)

RECOMMENDED PANEL CUTOUT
SEE TABLE 2

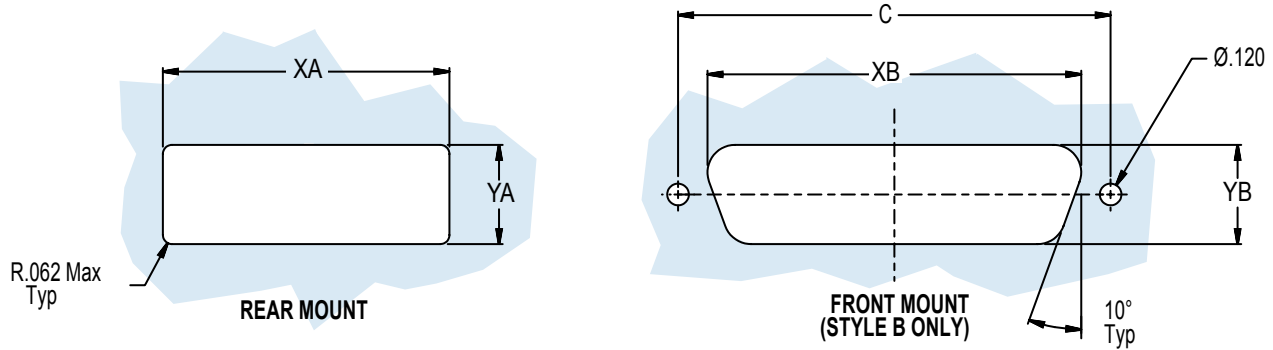


TABLE II: PANEL CUT-OUT DIMENSIONS					
Shell Sizes	Style A		Style B		
	Dim XA	Dim YA	Dim XB	Dim YB	Dim C
1	.745 (18.9)	.385 (9.8)	.799 (20.3)	.462 (11.7)	.982 (25.0)
2	.950 (24.1)	.385 (9.8)	1.125 (28.6)	.462 (11.7)	1.312 (33.3)
3	1.495 (38.0)	.385 (9.8)	1.690 (42.9)	.462 (11.7)	1.852 (47.0)
4	2.145 (54.5)	.385 (9.8)	2.335 (59.3)	.462 (11.7)	2.500 (63.5)
5	2.015 (51.2)	.520 (13.2)	2.231 (56.7)	.588 (14.9)	2.406 (61.1)

