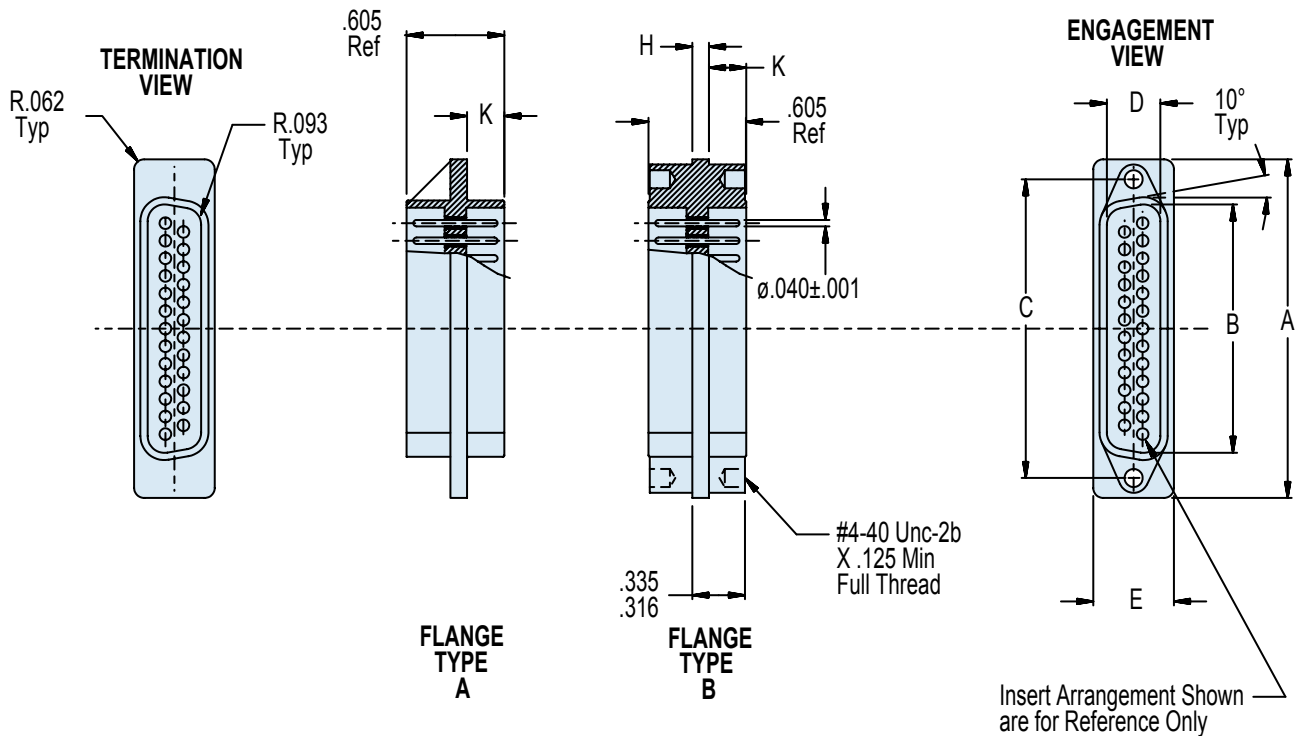
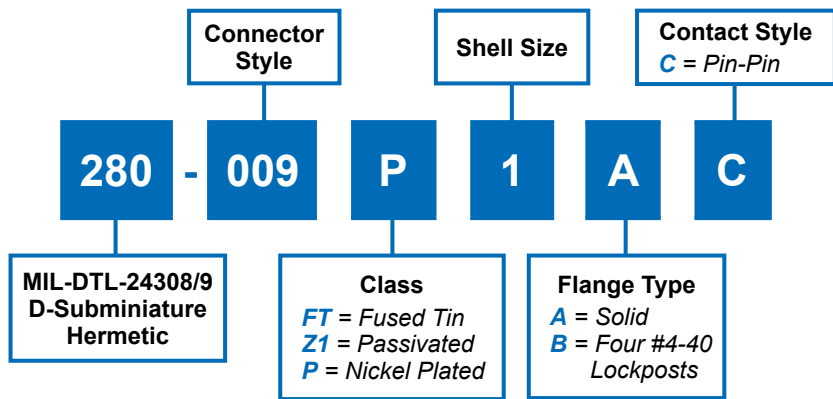




280-009
MIL-DTL-24308/9 Type Hermetic
D-Subminiature Pin-to-Pin Feedthrough



APPLICATION NOTES

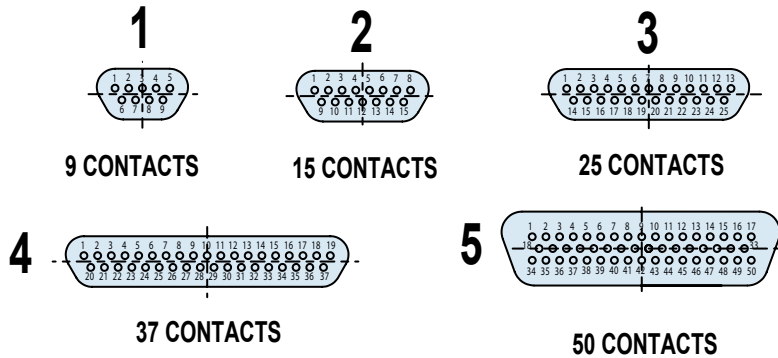
- | | |
|---|--|
| <p>1. To be identified with manufacturer's name, part number and date code, space permitting.</p> <p>2. Contact Style: Pin-to-Pin only (See Part Number Development).</p> <p>3. All dimensions are typical for flange types "A" and "B." "C" dim is not applicable to flange type "A."</p> <p>4. 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</p> | <p>5. 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</p> <p>6. Glenair 280-009 will mate with any QPL MIL-DTL-24308/1, /2 and /23 receptacle of the same size and arrangement.</p> <p>7. Metric dimensions (mm) are indicated in parentheses.</p> |
|---|--|

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

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



MIL-DTL-24308
Type



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 I: CONNECTOR DIMENSIONS							
Shell Size	Dim A ± .015 (± 0.4)	Dim B ± .004 (± 0.1)	Dim C ± .005 (± 0.1)	Dim D ± .004 (± 0.1)	Dim E ± .010 (± 0.3)	Dim H ± .006 (± 0.2)	Dim K ± .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 (14.7)	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

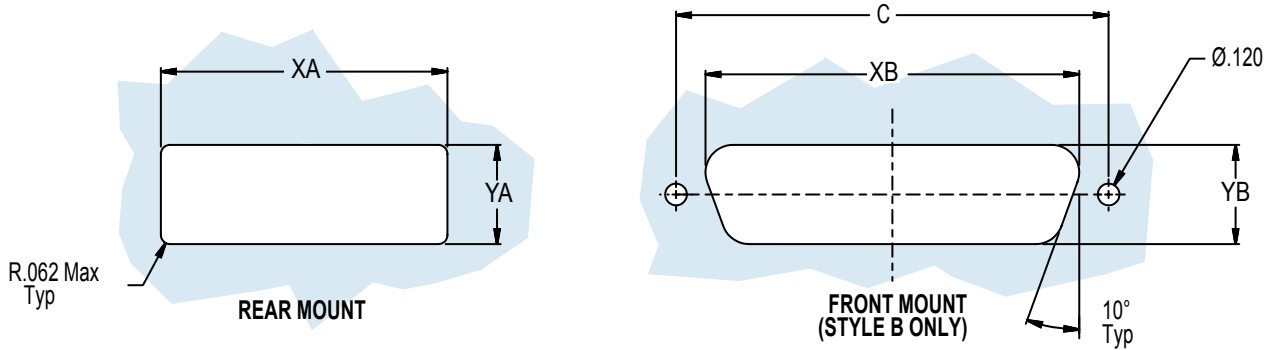


TABLE II: PANEL CUT-OUT DIMENSIONS					
Shell Sizes	Style A		Style B		
	Dim XA	Dim YA	Dim XB	Dim YB	Dim C
1	.745 (18.9)	.385 (9.8)	.799 (20.3)	.462 (11.7)	.984 (24.9)
2	.950 (24.1)	.385 (9.8)	1.125 (28.6)	.482 (12.2)	1.312 (33.3)
3	1.495 (38.0)	.385 (9.8)	1.690 (42.9)	.482 (12.2)	1.852 (47.0)
4	2.145 (54.5)	.385 (9.8)	2.335 (59.3)	.482 (12.2)	2.500 (63.5)
5	2.015 (51.2)	.520 (13.2)	2.231 (56.7)	.588 (14.9)	2.406 (61.1)

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