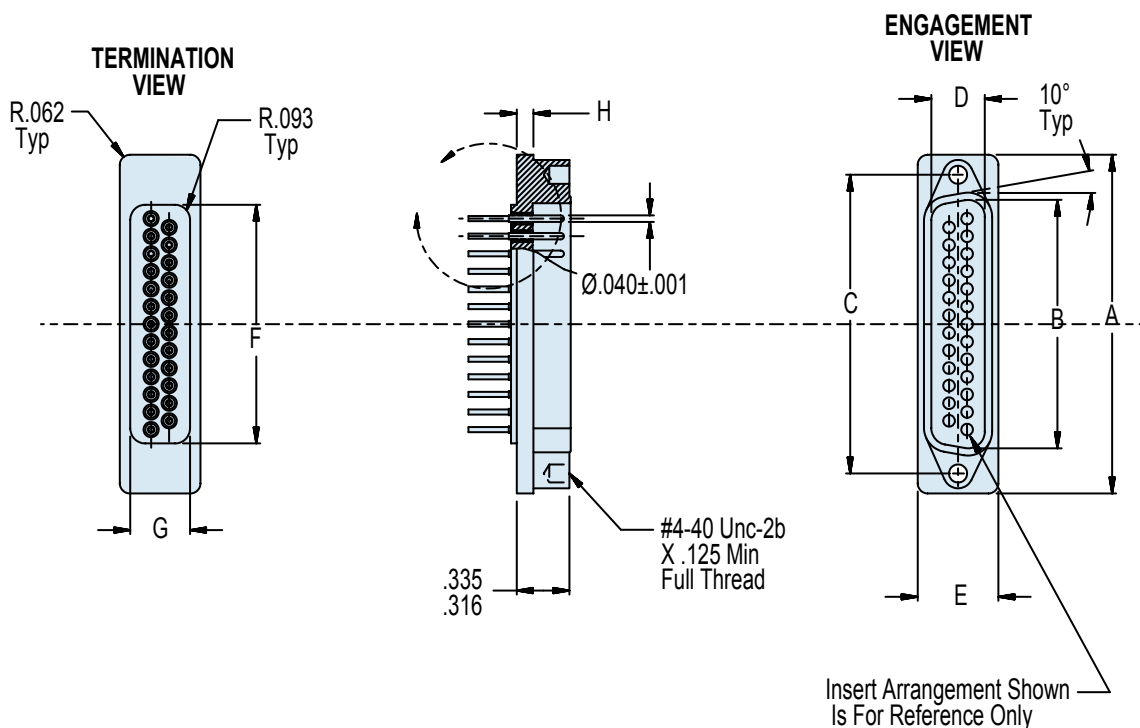
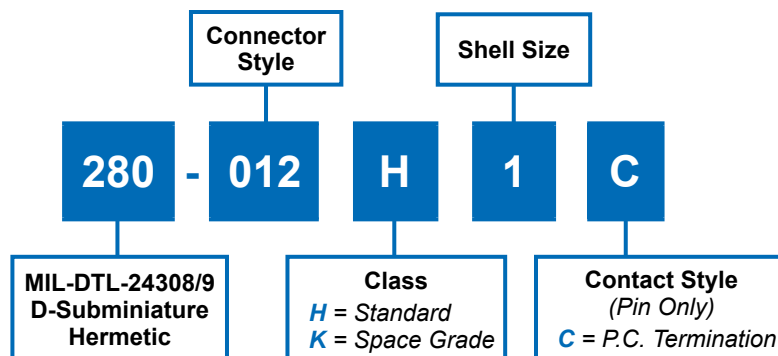




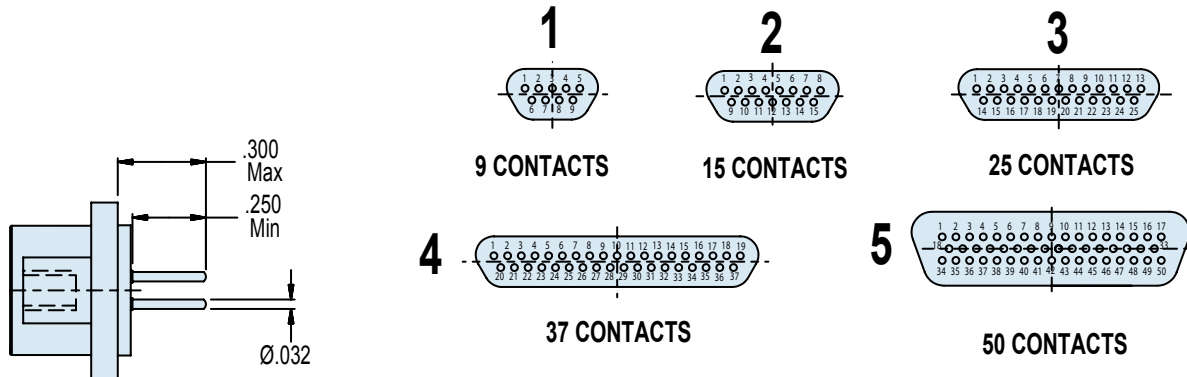
APPLICATION NOTES

- To be identified with manufacturer's name, part number and date code, space permitting.
- Contact Style: Printed circuit termination only.
- Material/Finish:
Shell: H = FT - Carbon steel/tin plated.
K = Z16 - Stainless steel/nickel plated, dull finish.
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 280-012 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.

280-012
MIL-DTL-24308/9 Type Hermetic
Rear Printed Circuit Board Termination
Glass-Sealed D-Subminiature Connector

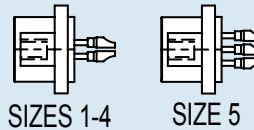


MIL-DTL
24308



**Contact
Detail**

SOLDER CUP ORIENTATION



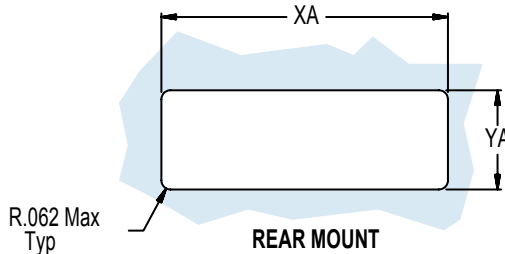
SIZES 1-4

SIZE 5

TABLE I: CONNECTOR DIMENSIONS

Shell Size	Dim A $\pm .015 (\pm 0.4)$	Dim B $\pm .004 (\pm 0.1)$	Dim C $\pm .005 (\pm 0.1)$	Dim D $\pm .004 (\pm 0.1)$	Dim E $\pm .010 (\pm 0.3)$	Dim F $\pm .010 (\pm 0.3)$	Dim G $\pm .010 (\pm 0.3)$	Dim H $\pm .006 (\pm 0.2)$	Dim K $\pm .010 (\pm 0.3)$
1	1.213 (30.8)	.667 (16.9)	.984 (25.0)	.330 (8.4)	.498 (12.6)	.725 (18.4)	.369 (9.4)	.094 (2.4)	.235 (6.0)
2	1.541 (39.1)	.993 (25.2)	1.312 (33.3)	.330 (8.4)	.498 (12.6)	.932 (23.7)	.369 (9.4)	.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)	1.497 (38.0)	.369 (9.4)	.103 (2.6)	.230 (5.8)
4	2.729 (69.3)	2.183 (55.4)	2.500 (63.5)	.330 (8.4)	.498 (12.6)	2.125 (54.0)	.369 (9.4)	.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)	2.000 (50.8)	.500 (12.7)	.103 (2.6)	.230 (5.8)

RECOMMENDED PANEL CUTOUT
SEE TABLE II



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 II: PANEL CUT-OUT

Shell Sizes	Style A		Style B		
	Dim XA	Dim YA	Dim XB	Dim YB	Dim C
1	.745 (18.9)	.385 (9.8)	.799 (20.0)	.462 (11.7)	.984 (25.0)
2	.950 (24.1)	.385 (9.8)	1.125 (31.8)	.462 (11.7)	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)