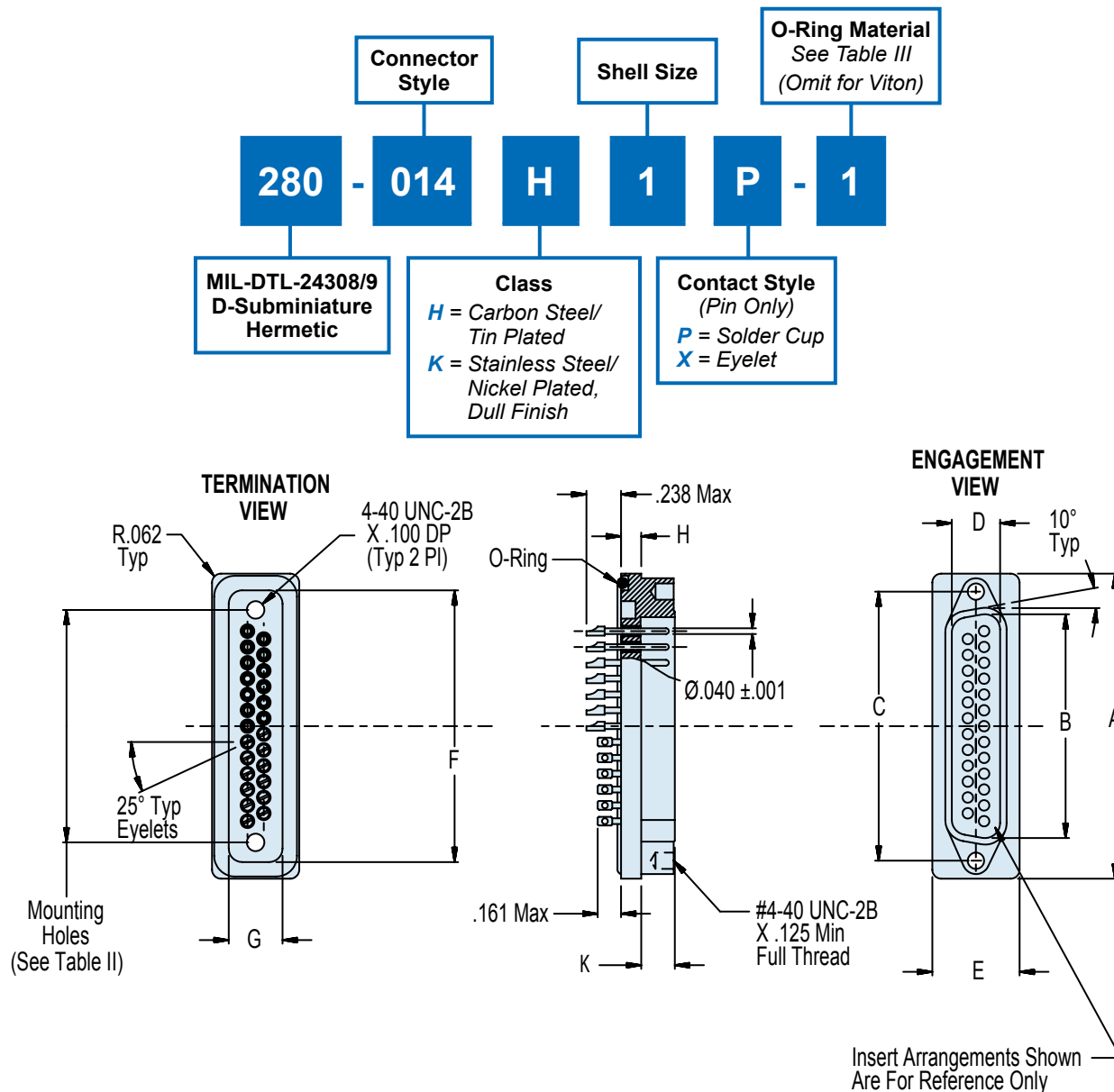


280-014

MIL-DTL-24308/9 Type Hermetic O-Ring Panel Sealing Glass-Sealed D-Subminiature Connector



APPLICATION NOTES

- To be identified with manufacturer's name, part number and date code, space permitting.
- Contact Style: Eyelet or solder cup (see part development).
- Material/Finish:
Shell: H = FT - Carbon steel/tin plated.
K = Z16 - Stainless steel/nickel plated dull finish.
Insulators: Glass bead/N.A.
Contacts: Alloy 52/gold plated
O-Ring: Specify (see Table III)/N.A.
- Performance:
DWV - 500 VAC Pin-to-Shell
I.R. - 5,000 MegOhms Min @ 500 VDC
Hermeticity - $<1 \times 10^{-7}$ scc He/sec @ 1 atmosphere differential
- Glenair 280-014 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.

280-014
MIL-DTL-24308/9 Type Hermetic
O-Ring Panel Sealing
Glass-Sealed D-Subminiature Connector

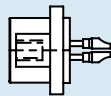


MIL-DTL
24308

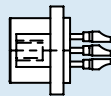
TABLE III: O-RING MATERIAL

Dash Number	Material
None	Viton
-1	Nitrile
-2	Fluorosilicone
-3	Silicone

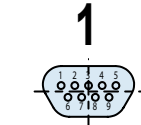
SOLDER CUP ORIENTATION



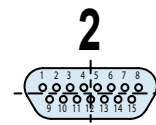
SIZES 1-4



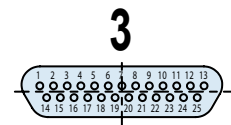
SIZE 5



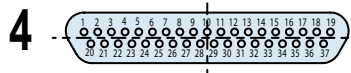
9 CONTACTS



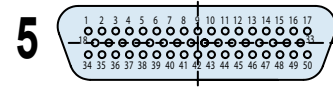
15 CONTACTS



25 CONTACTS



37 CONTACTS



50 CONTACTS

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 $\pm .010 (\pm 0.3)$	O-Ring 2-
1	1.213 (30.8)	.667 (16.9)	.984 (25.0)	.330 (8.4)	.600 (15.2)	.874 (22.2)	.272 (6.9)	.155 (3.9)	.235 (6.0)	-017
2	1.541 (39.1)	.993 (25.2)	1.312 (33.3)	.330 (8.4)	.600 (15.2)	1.270 (32.3)	.372 (9.5)	.155 (3.9)	.235 (6.0)	-022
3	2.088 (53.0)	1.535 (39.0)	1.852 (47.0)	.330 (8.4)	.600 (15.2)	1.760 (44.7)	.372 (9.5)	.160 (4.1)	.230 (5.8)	-027
4	2.729 (69.3)	2.183 (55.4)	2.500 (63.5)	.330 (8.4)	.600 (15.2)	2.418 (61.4)	.372 (9.5)	.160 (4.1)	.230 (5.8)	-031
5	2.635 (66.9)	2.079 (52.8)	2.406 (61.1)	.441 (11.2)	.610 (15.5)	2.418 (61.4)	.372 (9.5)	.160 (4.1)	.230 (5.8)	-031

RECOMMENDED PANEL CUTOUT
SEE TABLE II

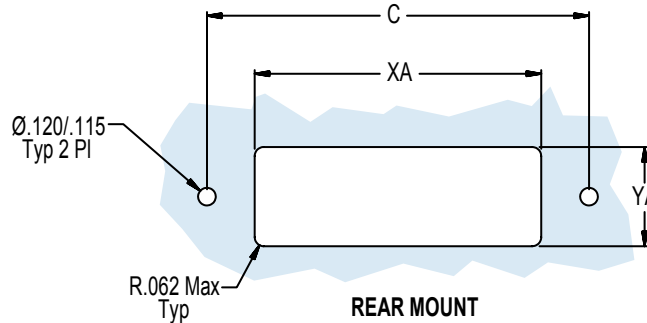


TABLE II: PANEL CUT-OUT

Shell Size	Dim XA	Dim YA	Dim C
1	.520 (13.2)	.220 (5.6)	.874 (22.2)
2	.850 (21.6)	.220 (5.6)	1.070 (27.2)
3	1.380 (35.1)	.220 (5.6)	1.560 (39.6)
4	2.035 (51.7)	.220 (5.6)	2.200 (55.9)
5	1.850 (47.0)	.300 (7.6)	2.200 (55.9)

HERMETIC LEAK RATE MOD CODES

Designator	Required Leak Rate
-585A	1×10^{-10} cc's Helium per second
-585B	1×10^{-9} cc's Helium per second
-585C	1×10^{-8} cc's Helium per second