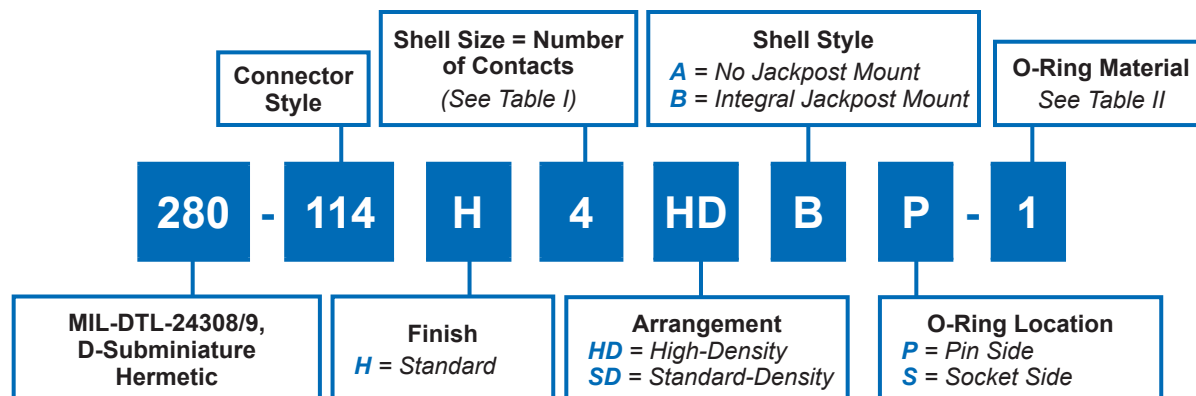
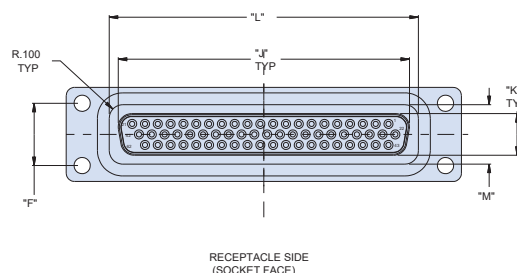
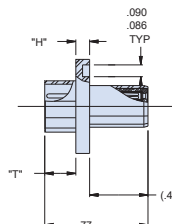
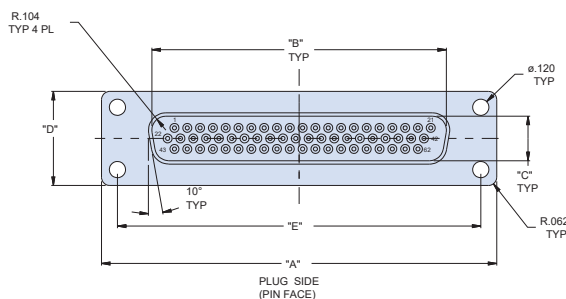


280-114

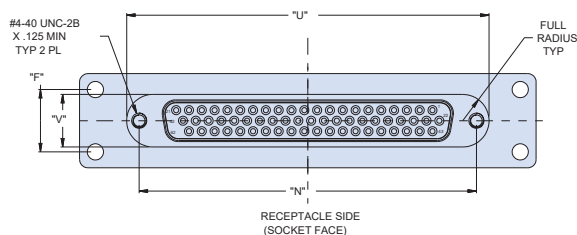
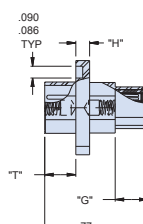
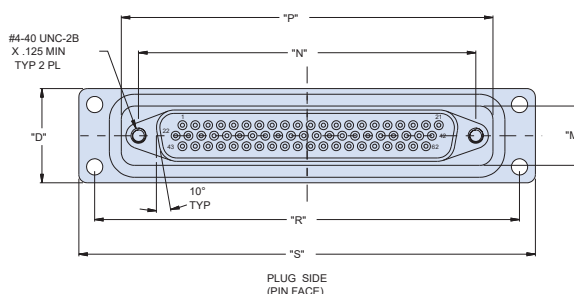
MIL-DTL-24308/9 Type Hermetic D-Subminiature Pin-to-Socket Feedthrough



SHELL STYLE "A"
O-RING LOCATION "S"



SHELL STYLE "B"
O-RING LOCATION "P"



APPLICATION NOTES

- Material/Finish:
Shell: Kovar / nickel plate.
Contacts, pin: Kovar alloy/gold plated.
Contacts, socket: copper alloy/gold plated.
Socket hoods: 300 series CRES/passivated
Insulator, pin: glass bead
Insulator, socket: rigid dielectric
O-Ring: specify.
- Glenair 280-114 will mate with any QPL MIL-DTL-24308 plug and receptacle of the same size and contact arrangement with opposite contact gender.
- Part to be marked with Glenair part number, name and/or cage code and date code.
- Performance:
DWV - 750 VAC Pin-to-Shell (SD)
- 500 VAC Pin-to-Shell (HD)
I.R. - 5,000 megohms min @ 500 VDC
Hermeticity - $<1 \times 10^{-7}$ scc He/sec @ 1 ATM Delta P

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

280-114

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

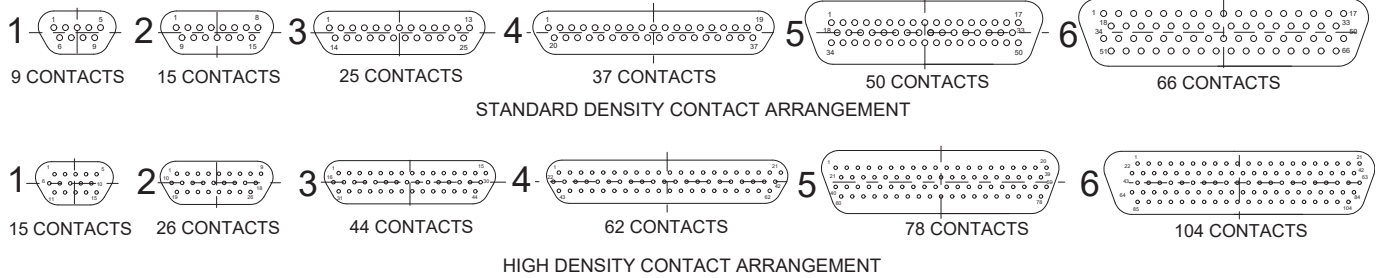
MIL-DTL-24308
Type

TABLE I: CONNECTOR DIMENSIONS

Shell Size	Dim A ± .015 (± 0.4)	Dim B ± .004 (± 0.1)	Dim C ± .004 (± 0.1)	Dim D ± .010 (± 0.3)	Dim E BSC	Dim F BSC	Dim G ± .005 (± 0.1)	Dim H ± .006 (± 0.2)	Dim J ± .005 (± 0.1)	Dim K ± .005 (± 0.1)
1	1.413 (35.9)	.667 (16.9)	.330 (8.4)	.698 (17.7)	1.177 (29.9)	.462 (11.7)	.243 (6.2)	.094 (2.4)	.643 (16.3)	.309 (7.8)
2	1.741 (44.2)	.993 (25.2)	.330 (8.4)	.698 (17.7)	1.499 (38.1)	.462 (11.7)	.243 (6.2)	.094 (2.4)	.971 (24.7)	.309 (7.8)
3	2.288 (58.1)	1.535 (39.0)	.330 (8.4)	.698 (17.7)	2.052 (52.1)	.462 (11.7)	.243 (6.2)	.103 (2.6)	1.511 (38.4)	.309 (7.8)
4	2.929 (74.4)	2.183 (55.4)	.330 (8.4)	.698 (17.7)	2.693 (68.4)	.462 (11.7)	.243 (6.2)	.103 (2.6)	2.159 (54.8)	.309 (7.8)
5	2.835 (72.0)	2.079 (52.8)	.441 (11.2)	.810 (20.6)	2.599 (66.0)	.574 (14.6)	.243 (6.2)	.103 (2.6)	2.064 (52.4)	.421 (10.7)
6	3.190 (81.0)	2.212 (56.2)	.503 (12.8)	.868 (22.0)	2.960 (75.2)	.650 (16.5)	.243 (6.2)	.103 (2.6)	2.189 (55.6)	.485 (12.3)

TABLE I: CONNECTOR DIMENSIONS (CONT'D.)

Shell Size	Dim L ± .005 (± 0.1)	Dim M ± .005 (± 0.1)	Dim N BSC	Dim P ± .005 (± 0.1)	Dim R BSC	Dim S ± .010 (± 0.3)	Dim T ± .005 (± 0.1)	Dim U ± .005 (± 0.1)	Dim V ± .005 (± 0.1)
1	.806 (20.5)	.440 (11.2)	.984 (25.0)	1.294 (32.9)	1.629 (41.4)	1.865 (47.4)	.235 (6.0)	1.170 (29.7)	.400 (10.2)
2	1.100 (27.9)	.440 (11.2)	1.312 (33.3)	1.592 (40.4)	1.964 (49.9)	2.200 (55.9)	.235 (6.0)	1.498 (38.0)	.400 (10.2)
3	1.690 (42.9)	.440 (11.2)	1.852 (47.0)	2.176 (55.3)	2.500 (63.5)	2.736 (69.5)	.235 (6.0)	2.038 (51.8)	.400 (10.2)
4	2.377 (60.4)	.440 (11.2)	2.500 (63.5)	2.755 (70.0)	3.149 (80.0)	3.385 (86.0)	.235 (6.0)	2.686 (68.2)	.400 (10.2)
5	2.266 (57.6)	.570 (14.5)	2.406 (61.1)	2.650 (67.3)	3.053 (77.5)	3.289 (83.5)	.235 (6.0)	2.592 (65.8)	.510 (13.0)
6	2.592 (65.8)	.615 (15.6)	2.500 (63.5)	3.181 (80.8)	3.550 (90.2)	3.780 (96.0)	.235 (6.0)	2.790 (70.9)	.560 (14.2)

TABLE II: O-RING
MATERIAL

Symbol	Material
1	Nitrile
2	Fluorosilicone
3	Silicone
Omit	Viton®

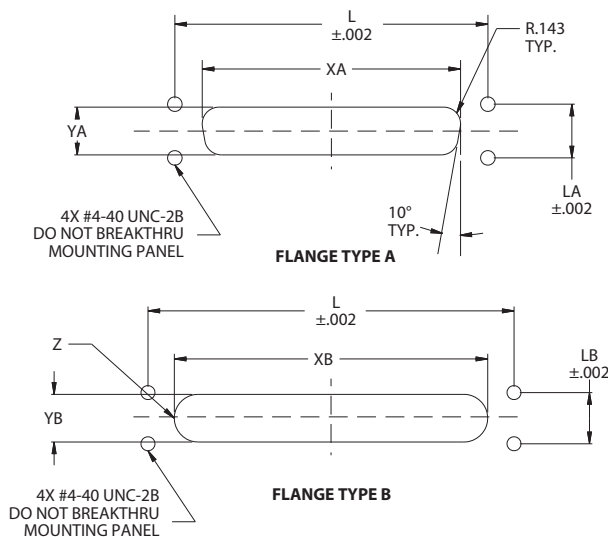
RECOMMENDED PANEL CUTOUT
SEE TABLE II

TABLE II: PANEL CUT-OUT DIMENSIONS - STYLE A

Shell Sizes	Dim XA	Dim YA	Dim LA	Dim L
1	.744 (18.90)	.410 (10.41)	.462 (11.73)	1.177 (29.90)
2	1.070 (27.18)	.410 (10.41)	.462 (11.73)	1.499 (38.07)
3	1.612 (40.94)	.410 (10.41)	.462 (11.73)	2.052 (52.12)
4	2.261 (57.43)	.410 (10.41)	.462 (11.73)	2.693 (68.40)
5	2.156 (54.76)	.520 (13.21)	.574 (14.58)	2.599 (66.01)
6	2.280 (57.91)	.570 (14.48)	.650 (16.51)	2.960 (75.18)

TABLE II: PANEL CUT-OUT DIMENSIONS - STYLE B

Shell Sizes	Dim XB	Dim YB	Rad. Z	Dim L	Dim LB
1	1.180 (29.97)	.410 (10.41)	.205 (5.21)	1.629 (41.38)	.462 (11.73)
2	1.508 (38.30)	.410 (10.41)	.205 (5.21)	1.964 (49.89)	.462 (11.73)
3	2.048 (52.02)	.410 (10.41)	.205 (5.21)	2.500 (63.50)	.462 (11.73)
4	2.696 (68.48)	.410 (10.41)	.205 (5.21)	3.149 (79.98)	.462 (11.73)
5	2.602 (66.09)	.520 (13.21)	.260 (6.60)	3.053 (77.55)	.574 (14.58)
6	2.800 (71.12)	.570 (14.48)	.285 (7.24)	3.550 (90.17)	.650 (16.51)

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

© 2013 Glenair, Inc.

U.S. CAGE Code 06324

Printed in U.S.A.

GLENAIR, INC. • 1211 AIR WAY • GLENDALE, CA 91201-2497 • 818-247-6000 • FAX 818-500-9912
www.glenair.com J-29 E-Mail: sales@glenair.com

REV 09.18.25