

SuperNine® Glass seal hermetic

MIL-DTL-38999 Series III Type

2333-2011 High-Pressure Hermetic Bulkhead Feedthrough

HERMETIC CONNECTORS

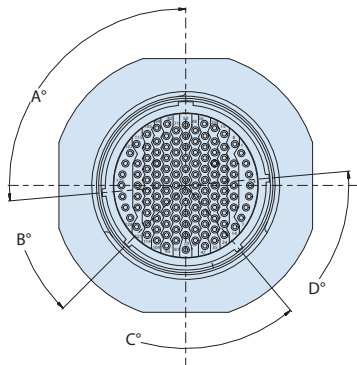
Part Number Development					
Sample Part Number	2333-2011	ZL	25-35	PS	N-T
Series / Basic Part No.	Hermetic Bulkhead Feed-Through				
Finish	Z1 = Passivate ZL = Nickel Plate				
Shell Size-Insert Arrangement	Per MIL-DTL-38999/MIL-STD-1560				
Contact Type	PS = Pin on Jam-Nut Side; Socket Opp. PP = Pin-Pin		SP = Socket on Jam-Nut Side; Pin Opp. SS = Socket-Socket		
Polarization	Per Master Key table for Jam-Nut Side Per Minor Keyway table for Opposite Side				

Notes

1. Hermeticity: $<1 \times 10^{-7}$ ccHe/sec @ delta 1 atmosphere
2. Glenair 2333-2011 will withstand 700 psi open face, and 1000 psi mated in direction indicated

Material / Finish

- Shell and jam-nut - 300 series cres / per P/N development
- Contacts, pin - nickel-iron alloy / gold plate
- Contacts, socket - copper alloy / gold plate
- Insulator, hermetic - full glass
- Insulator, socket - rigid dielectric
- Seals - fluorosilicone blend elastomer
- O-ring, piston - fluorosilicone
- O-ring, flange - fluorosilicone



Master Key and Keyway Polarization						
Shell Sizes	POS	A°	B°	C°	D°	
9	N*	105	140	215	265	
	A	102	132	248	320	
	B	80	118	230	312	
	C	35	140	205	275	
	D	64	155	234	304	
	E	91	131	197	240	
11 13 15	N*	95	141	208	236	
	A	113	156	182	292	
	B	90	145	195	252	
	C	53	156	220	255	
	D	119	146	176	298	
17 19 21 23 25	N*	80	142	196	293	
	A	135	170	200	310	
	B	49	169	200	244	
	C	66	140	200	257	
	D	62	145	180	280	
	E	79	153	197	272	

* Designates normal position

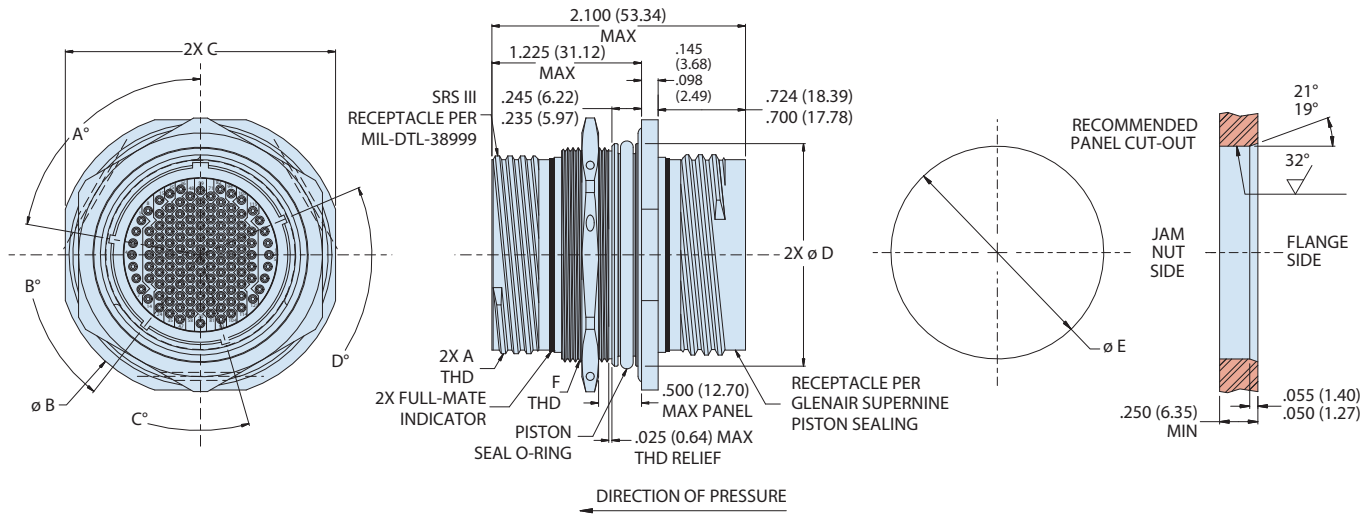
Minor Keyway Positions				
Keyway Code	A°	B°	C°	D°
T*	95	135	220	275
V	92	127	253	325
W	70	113	235	322
X	35	135	210	285
Y	54	150	239	314
Z	81	126	202	250

* Designates normal position

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Dimensions						
Shell Size	A Thread 0.1P-0.3L-TS-2	ø B	C	ø D	ø E	F Thread Metric
9	.6250 (15.88)	1.189 (30.20)	1.063 (27.00)	.732/.731 (18.59/18.57)	.736/.734 (18.69/18.64)	M17 X 1.0-6g
11	.7500 (19.05)	1.375 (34.92)	1.252 (31.80)	.861/.860 (21.87/21.84)	.865/.863 (21.97/21.92)	M20 X 1.0-6g
13	.8750 (22.23)	1.500 (38.10)	1.374 (34.90)	1.051/1.050 (26.70/26.67)	1.055/1.053 (26.80/26.75)	M25 X 1.0-6g
15	1.0000 (25.40)	1.626 (41.30)	1.500 (38.10)	1.176/1.175 (29.87/29.85)	1.180/1.178 (29.97/29.92)	M28 X 1.0-6g
17	1.1875 (30.16)	1.752 (44.50)	1.626 (41.30)	1.301/1.300 (33.05/33.02)	1.305/1.303 (33.15/33.10)	M32 X 1.0-6g
19	1.2500 (31.75)	1.937 (49.20)	1.811 (46.00)	1.426/1.425 (36.22/36.20)	1.430/1.428 (36.32/36.27)	M35 X 1.0-6g
21	1.3750 (34.92)	2.063 (52.40)	1.937 (49.20)	1.551/1.550 (39.40/39.37)	1.555/1.553 (39.50/39.45)	M38 X 1.0-6g
23	1.5000 (38.10)	2.189 (55.60)	2.063 (52.40)	1.676/1.675 (42.57/42.55)	1.680/1.676 (42.67/42.57)	M41 X 1.0-6g
25	1.6250 (41.28)	2.311 (58.70)	2.189 (55.60)	1.802/1.801 (45.77/45.75)	1.807/1.805 (45.90/45.85)	M44 X 1.0-6g