947-410 Space-grade hermetic feed-thru IAW SSQ 21635

HOW TO ORDER						
Sample Part No.	**947-410**	**Z16**	**25Q**	**-08**	**PP**	**N**
Basic Part No.	**947-410** = Hermetic bulkhead feedthru					
Material/Finish	**Z1** = CRES (per SAE-AMS-QQ-S-763), passivated **Z16** = Nickel plated, space-grade **ZL** = Nickel plated					
Shell Size	Add suffix for data-type contacts omit for standard contacts **C** = CO-AX **Q** = Quadrax **T** = Twin-Ax					
Insert Arrangement*	Per MIL-STD-1560 and SSQ 21635					
Contact Type	**P** = Pin, jam-nut side **PP** = Pin-Pin; See note 5 and 6 **S** = Socket, jam-nut side **SS** = Socket-Socket; See note 5 and 6					
Broach Position	Specify **N** for normal; alternate **A**, **B**, **C**, **D**, or **E**					

NOTES:

1. Material/ finish:
   - Shell - CRES / finish as specified
   - Jam-nut - aluminum alloy / electroless nickel plate (space grade)
   - Locking pellets - vespel / N.A.
   - Contacts - copper alloy / gold plate (sockets)
   - Nickel alloy / gold plate (pins)
   - Insulator, hermetic - full glass / N.A.
   - Insulator, sockets - high-grade dielectric / N.A.
   - Seals and o-rings - fluorosilicone / N.A.
2. Parts to be 100% tested per Glenair document ATP285. After testing, part to be thermal vauum outgassed:
   - Pressure: 10^{-6} Torr
   - Temperature: 125°C ±1°C
   - Time at Temperature: 48 hour
3. Hermeticity:
   - Connector: <5 x 10^{-9} sccHe/sec@ 1 atmosphere delta pressure
   - Sealing surfaces: 1 x 10^{-6} sccHe/sec @ 1 atmosphere delta pressure (O-rings and flange)
4. Electrical testing:
   - I.R.: 5000 megOhms @ 500VDC
   - D.W.V: Per MIL-STD-1560/SSQ 21635
5. Pin-pin and socket-socket available only in symmetrical patterns. Consult factory, MIL-STD-1560 or SSQ21635 for available arrangements
6. For pin-pin or socket-socket, contact identification on jam-nut side will be as per MIL-STD-1560 or SSQ21635 and reversed on opposite end

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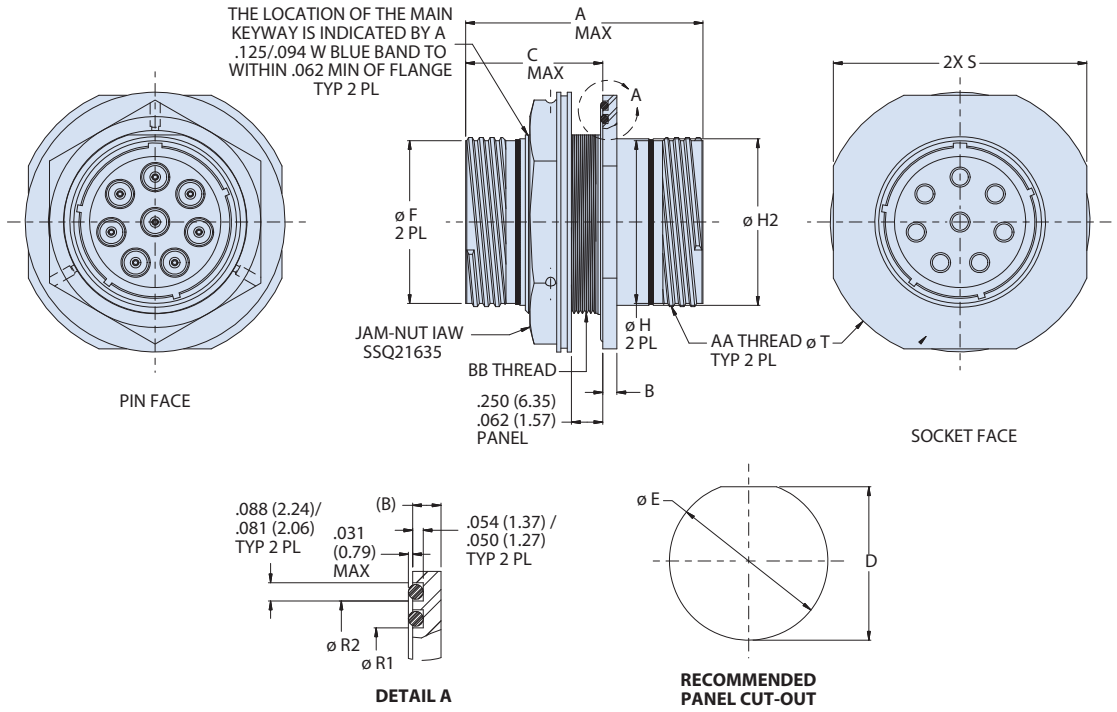
07 - JAM NUT MOUNT RECEPTACLE DIMENSIONS



SHELL SIZE	AA THREAD 0.1P-0.3L-TS-2	A MAX	B	BB THREAD 1.0-6g, 0.100R	C MAX	D +.007 0.000	ø E +.007 0.000	ø F	ø H +.001 -0.005	H2 MAX	ø R1 +.011 0.000	ø R2 +.011 0.000	S	ø T
11	0.7500	2.078 (52.78)	0.114 (2.90) 0.083 (2.11)	M 20	1.236 (31.39)	0.760 (19.30)	0.816 (20.73)	.694/.682	0.697 (17.70)	0.750 (19.05)	0.989 (25.12)	1.239 (31.47)	1.438 (36.53)	1.625 (41.28)
13	0.8750			M 25		0.947 (24.05)	1.002 (25.45)	.819/.807	0.822 (20.88)	0.875 (22.23)	1.114 (28.30)	1.364 (34.65)	1.590 (40.39)	1.752 (44.50)
15	1.0000			M 28		1.071 (27.20)	1.128 (28.65)	.944/.932	0.947 (24.05)	1.000 (25.40)	1.239 (31.47)	1.489 (37.82)	1.727 (43.87)	1.937 (49.20)
17	1.1875			M 32		1.196 (30.38)	1.261 (32.03)	1.115/1.101	1.124 (28.55)	1.1875 (30.16)	1.364 (34.65)	1.614 (41.00)	1.850 (46.99)	2.063 (52.40)
19	1.2500		0.145 (3.68) 0.114 (2.90)	M 35	1.243 (31.57)	1.321 (33.55)	1.382 (35.10)	1.178/1.164	1.185 (30.10)	1.250 (31.75)	1.489 (37.82)	1.739 (44.17)	1.970 (50.04)	2.189 (55.60)
21	1.3750			M 38		1.446 (36.73)	1.500 (38.10)	1.303/1.289	1.310 (33.27)	1.375 (34.92)	1.614 (41.00)	1.864 (47.35)	2.125 (53.97)	2.311 (58.70)
23	1.5000			M 41		1.571 (39.90)	1.627 (41.33)	1.428/1.414	1.435 (36.45)	1.500 (38.10)	1.739 (44.17)	1.989 (50.52)	2.315 (58.80)	2.500 (63.50)
25	1.6250			M 44		1.696 (43.08)	1.753 (44.53)	1.553/1.539	1.560 (39.62)	1.625 (41.28)	1.864 (47.35)	2.114 (53.70)	2.450 (62.23)	2.625 (66.68)
25L	1.6250	2.969 (75.41)	0.198 (5.03) 0.183 (4.65)	M 44	1.536 (39.01)	1.696 (43.08)	1.753 (44.53)	1.553/1.539	1.560 (39.62)	1.625 (41.28)	1.864 (47.35)	2.114 (53.70)	2.450 (62.23)	2.625 (66.68)