

SuperNine® Glass seal hermetic



MIL-DTL-38999 Series III Type 233-103-H9 Bulkhead SAV-CON feed-thru

HERMETIC CONNECTORS

Part Number Development	
Sample Part Number	233-103 -H9 Z1 17-35 S N -02
Series / Basic Part No.	Series 23 SuperNine Hermetic Bulkhead SAV-CON Feed-thru
Connector Style	H9 = Jam Nut Mount, Gender Changer
Finish*	Z1 = CRES, Passivated ZL = CRES, Nickel Finish
Shell Size-Insert Arrangement*	Per MIL-DTL-38999/MIL-STD-1560
Contact Type	P = Pin on panel side S = Socket on panel side
Polarization*	A, B, C, D, E, N = Normal
Panel Thickness	01, 02, 03; See panel thickness table per connector style. Consult factory for additional options.

*Refer to Section A for complete details, consult factory for additional options
Modification codes may be added directly to the end of any valid part number



Hermetic Leak Rate Mod Codes	
Designator	Required Leak Rate
-585A	1 x 10 ⁰ cc Helium per second
-585B	1 x 10 ¹ cc Helium per second
-585C	1 x 10 ² cc Helium per second

Material / Finish

- Shell and jam-nut: CRES/passivate or CRES/nickel plate
- Contacts pin: nickel/iron alloy/gold plate
- Contacts sockets: copper alloy/gold plate insulator
- Insulator hermetic: vitreous glass/N.A
- Insulator socket: rigid dielectric/N.A
- Seals: fluorosilicone blend/N.A.

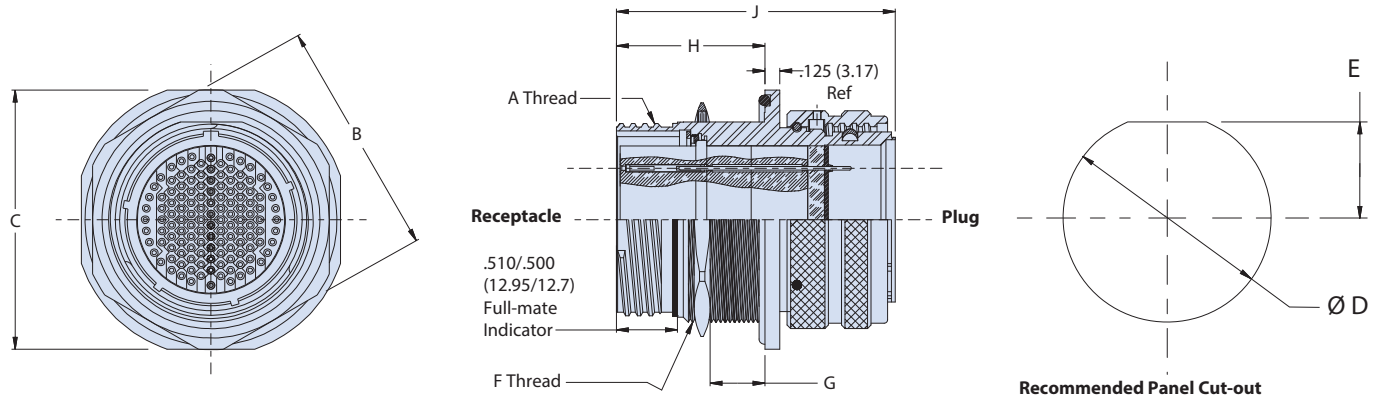
NOTES

1. For PP or SS style, only symmetrical layouts may be selected. Power to a given contact on one end will result in power to contact directly opposite, regardless of identification letter.
2. Glenair 233-103-H9 will mate with any QPL manufacturer's 38999 Series III plug or receptacle of same shell size, polarization and opposite contact gender.
3. Hermeticity: less than 1 x 10⁻⁷ ccHe/sec at 1 atmosphere differential.
4. Electrical safety limits must be established by user. Peak voltage, switching surge, transient, etc should be used to determine safe application

**MIL-DTL-38999 Series III Type
233-103 Bulkhead SAV-CON feed-thru**

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233-103-H9 JAM-NUT MOUNT GENDER CHANGER



Dimensions						
SHELL SIZE	A THREAD	B MAX	C DIM MAX	D DIA	E	F THREAD
9	.6250 0.1 P-0.3L-TS-2	.945(24.0)	1.09 (27.7)	0.703 (17.9) 0.693 (17.6)	0.661 (16.8) 0.653 (16.6)	M17X1-6G-0.100R
11	.7500 0.1 P-0.3L-TS-2	1.063(27.0)	1.28 (32.5)	0.835 (21.2) 0.825 (21.0)	0.771 (19.6) 0.761 (19.3)	M20X1-6G-0.100R
13	.8750 0.1 P-0.3L-TS-2	1.260(32.0)	1.40 (35.6)	1.020 (25.9) 1.010 (25.7)	0.955 (24.3) 0.945 (24.0)	M25X1-6G-0.100R
15	1.0000 0.1 P-0.3L-TS-2	1.417(36.0)	1.53 (38.9)	1.145 (29.1) 1.135 (28.8)	1.085 (27.6) 1.075 (27.3)	M28X1-6G-0.100R
17	1.1875 0.1 P-0.3L-TS-2	1.457(37.0)	1.66 (42.2)	1.270 (32.3) 1.260 (32.0)	1.210 (30.7) 1.200 (30.5)	M32X1-6G-0.100R
19	1.2500 0.1 P-0.3L-TS-2	1.614(41.0)	1.84 (46.7)	1.395 (35.4) 1.385 (35.2)	1.335 (33.9) 1.325 (33.7)	M35X1-6G-0.100R
21	1.3750 0.1 P-0.3L-TS-2	1.811(46.0)	1.97 (50.5)	1.520 (38.6) 1.510 (38.4)	1.460 (37.1) 1.450 (36.8)	M38X1-6G-0.100R
23	1.5000 0.1 P-0.3L-TS-2	1.968(50.0)	2.09 (53.1)	1.645 (41.8) 1.635 (41.5)	1.585 (40.3) 1.575 (40.0)	M41X1-6G-0.100R
25	1.6250 0.1 P-0.3L-TS-2	2.017(51.2)	2.21 (56.1)	1.770 (45.0) 1.760 (44.7)	1.710 (43.4) 1.700 (43.2)	M44X1-6G-0.100R

Panel Thickness			
DASH NO.	G	H MAX	J MAX
-01	.062 - .125 (1.6 - 3.2)	.890 (22.6)	2.000 (50.8)
-02	.062 - .250 (1.6 - 6.4)	1.150 (29.2)	2.225 (56.5)
-03	.062 - .500 (1.6 - 12.7)	1.400 (35.6)	2.450 (62.2)

DWV Voltage Levels at Sea Level	
SERVICE RATING	VOLTAGE AC RMS 60HR
M	1300 VAC
I	1800 VAC
II	2300 VAC
N	1000 VAC