

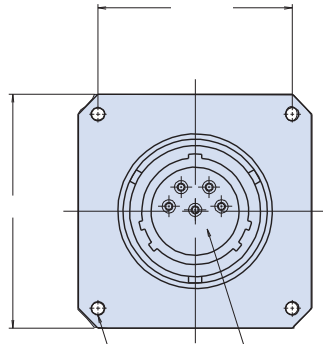
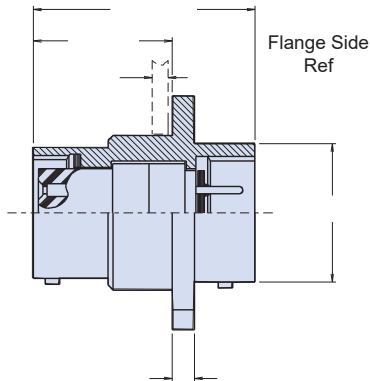
ENVIRONMENTAL CONNECTORS MIL-DTL-38999 Series I Type



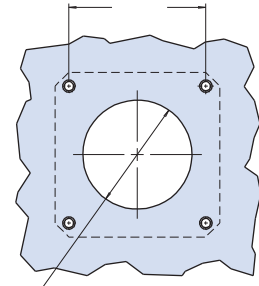
231-104-00 Wall mount environmental bulkhead feed-thru

BULKHEAD FEED-THRU

HOW TO ORDER	
Sample Part Number	231-104 -00 M 11 -35 P N -01
Basic Part Number	231-104 Environmental Bulkhead Feed-Thru
Shell Style	-00 = Wall Mount
Material / Finish	M = Aluminum / Electroless Nickel NC = Aluminum / Zinc-Cobalt NF = Cad / O.D. Over Electroless Nickel (1000hr Salt Spray) ZN = Aluminum Zinc-Nickel Olive Drab MT = Aluminum / Ni-PTFE 1000 Hour Grey™ AL = Aluminum / Pure Electrodeposited Aluminum TZ = Aluminum / Tin Zinc MN = Aluminum / Mega Nickel
Shell Size	09, 11, 13, 15, 17, 19, 21, 23, 25
Insert Arrangement	Per MIL-DTL-38999 Series I MIL-STD-1560
Contact Termination	P = Pin on Flange Side S = Socket on Flange Side PP = Pin to pin SS = Socket to Socket
Alternate Key Position	A, B, C, D, N = Normal
Panel Accomodation	-01 = .0625" (Min) .125" (Max) -02 = .0625" (Min) .250" (Max) -03 = .0625" (Min) .500" (Max)



Insert Arrangement per MIL-DTL-38999, Series I MIL-STD-1560



Recommended Panel Cutout

NOTES

- Material/finish:
Shells and nuts – Al alloy, 6061-T6, QQ-A-225/8, see Table I (D5)
Contacts – Leaded nickel copper/gold plate MIL-G-45204, Type II, Class I
Bayonet pins – AISI 300 series stainless steel/passivate, QQ-P-35
Hoods – AISI 305 series stainless steel/passivate, QQ-P-35
Inserts – Epihall 1908
Seals – Silicone per ZZ-R-765

TABLE I: CONNECTOR DIMENSIONS

SHELL SIZE	A MAX	B SQ	C SQ	D DIA	E ±.005(0.1)
09	.573(14.6)	.719(18.3)	.938(23.8)	.125(3.2)	.703(17.9)
11	.701(17.8)	.812(20.6)	1.031(26.2)	.125(3.2)	.827(21.0)
13	.851(21.6)	.906(23.0)	1.125(28.8)	.125(3.2)	1.015(25.8)
15	.976(24.8)	.969(24.6)	1.219(31.0)	.125(3.2)	1.140(29.0)
17	1.101(28.0)	1.062(27.0)	1.312(33.3)	.125(3.2)	1.265(32.1)
19	1.208(30.7)	1.156(29.4)	1.438(36.5)	.125(3.2)	1.390(35.3)
21	1.333(33.9)	1.250(31.8)	1.562(39.7)	.125(3.2)	1.515(38.5)
23	1.458(37.0)	1.375(34.9)	1.688(42.9)	.156(4.0)	1.640(41.7)
25	1.583(40.2)	1.500(38.1)	1.812(46.0)	.156(4.0)	1.765(44.8)