

231-104-09 and E9 Jam Nut Mount Environmental Plug/Receptacle Bulkhead Feed-Thru for MIL-DTL-38999 Series I Type



Bulkhead
Feed-Thru

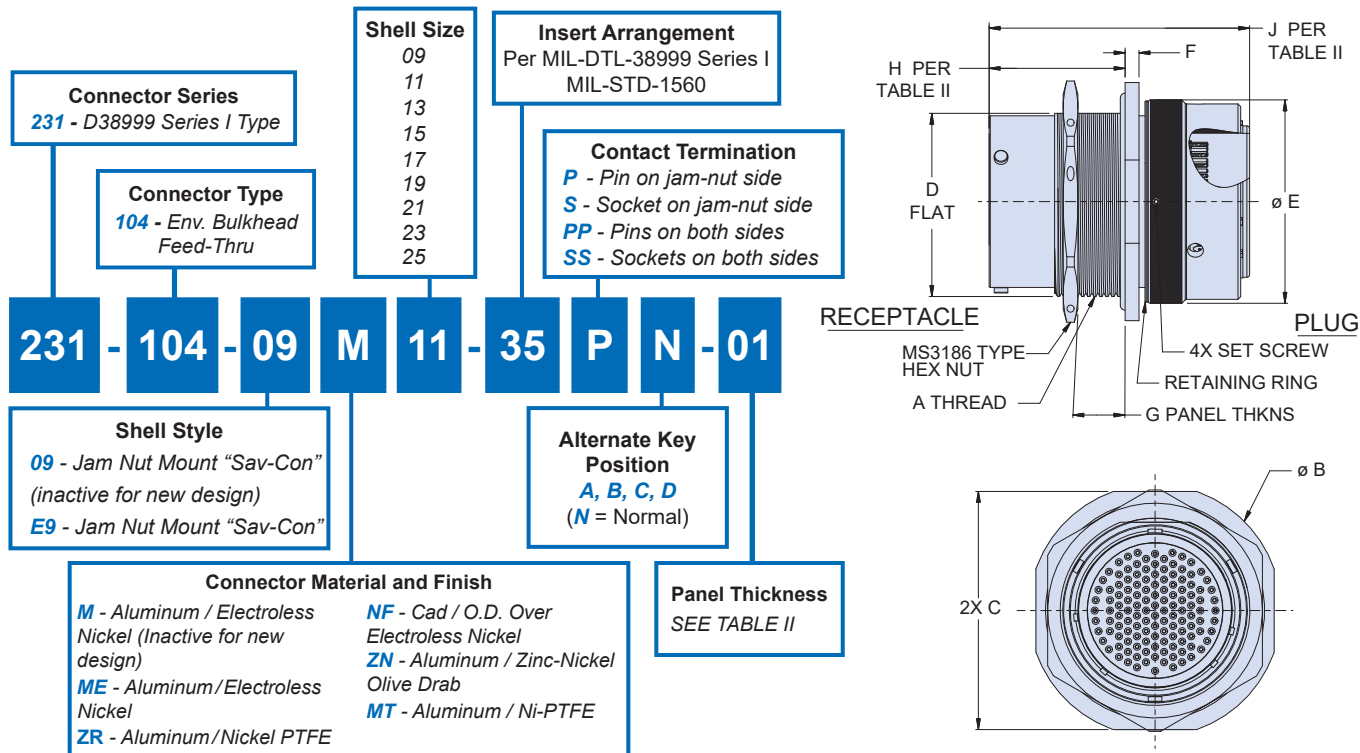


TABLE II: PANEL ACCOMMODATION

SYM	G	H MAX	J MAX
01	.062-.125	.920	2.050
02	.062-.250	1.050	2.250
03	.062-.500	1.300	2.400

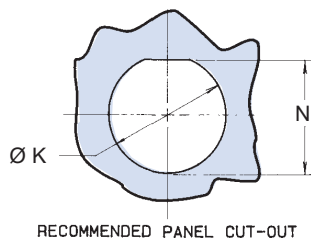


TABLE I: CONNECTOR DIMENSIONS

SHELL SIZE	A THREAD CLASS 2A	Ø B	C A/F	D Flat	Ø E Max	F	Ø K	N
9	.6875-24 UNEF	1.204 (30.58) 1.172 (29.77)	1.078 (27.38) 1.046 (26.57)	.655 (16.64) .645 (16.38)	.859 (21.82)	.125 (3.18) .093 (2.36)	.703 (17.86) .693 (17.60)	.661 (16.79) .653 (16.59)
11	.8125-20 UNEF	1.391 (35.33) 1.359 (34.52)	1.266 (32.16) 1.234 (31.34)	0.755 (19.18) 0.745 (18.92)	0.984 (24.99)	0.125 (3.18) 0.093 (2.36)	0.835 (21.21) 0.825 (20.96)	0.771 (19.58) 0.761 (19.33)
13	1.000-20 UNEF	1.516 (38.51) 1.484 (37.69)	1.391 (35.33) 1.359 (34.52)	0.942 (23.93) 0.932 (23.67)	1.156 (29.36)	0.125 (3.18) 0.093 (2.36)	1.020 (25.91) 1.010 (25.65)	0.955 (24.26) 0.945 (24.00)
15	1.125-18 UNEF	1.641 (41.68) 1.609 (40.87)	1.516 (38.51) 1.484 (37.69)	1.066 (27.08) 1.056 (26.82)	1.281 (32.54)	0.125 (3.18) 0.093 (2.36)	1.145 (29.08) 1.135 (28.83)	1.085 (27.56) 1.075 (27.31)
17	1.250-18 UNEF	1.766 (44.86) 1.734 (44.04)	1.641 (41.68) 1.609 (40.87)	1.191 (30.25) 1.181 (30.00)	1.406 (35.71)	0.125 (3.18) 0.093 (2.36)	1.270 (32.26) 1.260 (32.00)	1.210 (30.73) 1.200 (30.48)
19	1.375-18 UNEF	1.954 (49.63) 1.922 (48.82)	1.828 (46.43) 1.796 (45.62)	1.316 (33.43) 1.306 (33.17)	1.516 (38.51)	0.156 (3.96) 0.093 (2.36)	1.395 (35.43) 1.385 (35.18)	1.335 (33.91) 1.325 (33.66)
21	1.500-18 UNEF	2.078 (52.78) 2.046 (51.97)	1.954 (49.63) 1.922 (48.82)	1.441 (36.60) 1.431 (36.35)	1.641 (41.68)	0.156 (3.96) 0.093 (2.36)	1.520 (38.61) 1.510 (38.35)	1.460 (37.08) 1.450 (36.83)
23	1.625-18 UNEF	2.204 (55.98) 2.172 (55.17)	2.078 (52.78) 2.046 (51.97)	1.566 (39.78) 1.556 (39.52)	1.766 (44.86)	0.156 (3.96) 0.093 (2.36)	1.645 (41.78) 1.635 (41.53)	1.585 (40.26) 1.575 (40.01)
25	1.750-18 UNS	2.328 (59.13) 2.296 (58.32)	2.204 (55.98) 2.172 (55.17)	1.691 (42.95) 1.681 (42.70)	1.891 (48.03)	0.156 (3.96) 0.093 (2.36)	1.770 (44.96) 1.760 (44.70)	1.710 (43.43) 1.700 (43.18)

APPLICATION NOTES

- Material/finish:
Shell assembly, coupling nut, jam nut, lock ring—Aluminum Alloy, See Part Number Development
Retaining ring—Ni-Al bronze/clean only
Contacts—Copper alloy/gold plate
Bayonet pins, wave washer—CRES/passivate
O-Ring, interfacial and peripheral seals—fluorosilicone blend/N.A.
Insulators—High grade rigid dielectric/N.A.
Ground Ring—Beryllium copper/gold plate
- Metric Dimensions (mm) are indicated in parentheses.