

MIL-DTL-38999 Series I Type
231-106 Connector with crimp-removable socket contacts

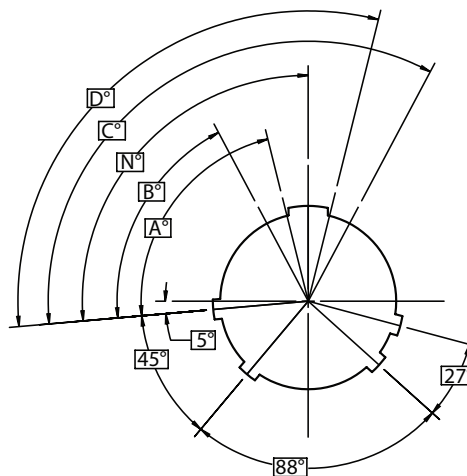
HERMETIC CONNECTORS

CONNECTOR FEATURES

- Bayonet coupling for rapid mating
- Scoop proof technology
- MIL-STD-1560 insert arrangements
- Same EMI performance as D38999 Series III
- Quick turn, positive lock, full mate indicator
- 500 cycles per D38999
- Enhanced finishes like Passivated stainless steel and Electrodeposited Nickel over stainless steel
- Available in Jam-nut, solder and box mount
- Meets 1×10^{-7} cc/sec He leak requirement
- Hi-reliability stainless steel bayonets utilized

HOW TO ORDER							
Sample Part Number	231-106	H7	Z1	11	-35	S	N
Basic Part Number	231-106						
Shell Style	H7 = Jam-nut Mount Z1 = Wall-mount H0 = Solder-mount						
Finish	Z1 = Passivated ZL = Electrodeposited Nickel						
Shell Size	09, 11, 13, 15, 17, 19, 21, 23, 25						
Insert Arrangement	Per MIL-STD-1560; See Pages C-2 - C-4						
Contact Style	P = Pin Face S = Socket Face						
Alternate Key Position	A, B, C, D (N = Normal)						

TABLE II - MASTER KEYWAY POLARIZATION POSITION

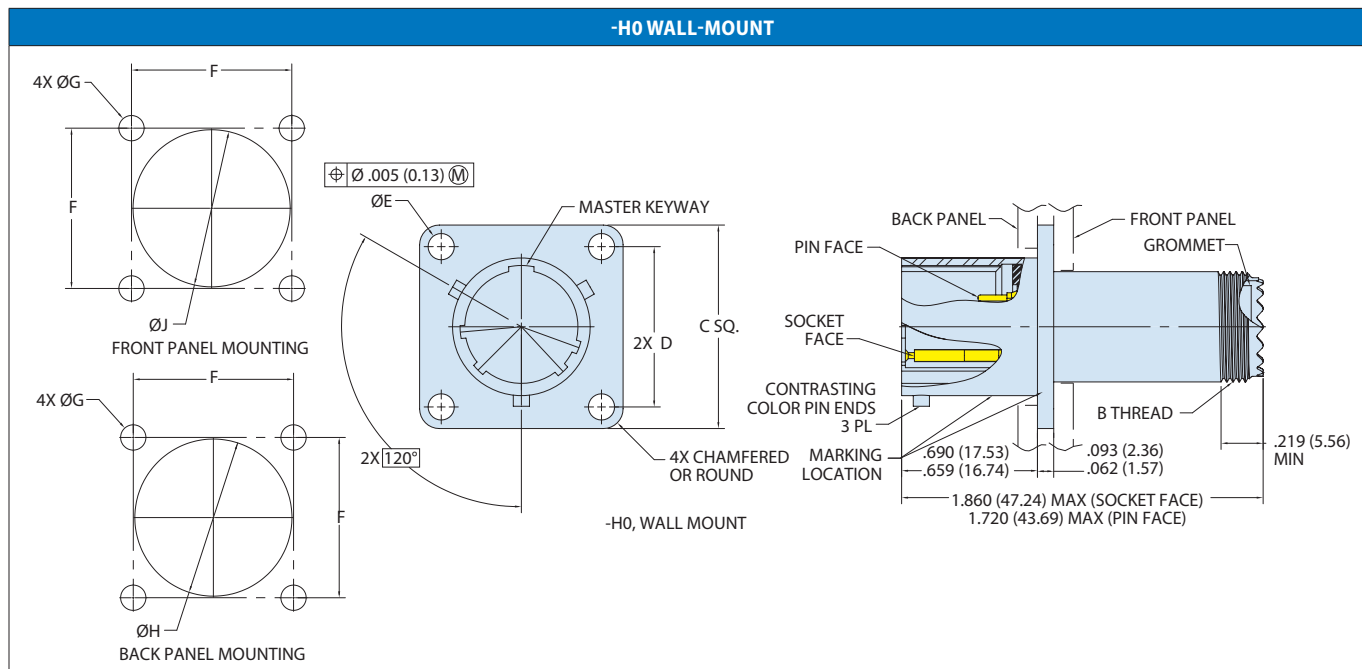


Shell Size	Normal	A	B	C	D
9	95	77	-	-	113
11	95	81	67	123	109
13	95	75	63	127	115
15	95	74	61	129	116
17	95	77	65	125	113
19	95	77	65	125	113
21	95	77	65	125	113
23	95	80	69	121	110
25	95	80	69	121	110

TABLE III - DWV VOLTAGE LEVELS @ SEA LEVEL

Service Rating	Voltage AC RMS 60 Hz
M	1300 VAC
I	1800 VAC
II	2300 VAC
N	1000 VAC

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TABLE I: CONNECTOR DIMENSIONS

Shell Size	A Threads	B Threads	C	D Bsc	E	F	G	H Min	J Min	K	L	M	N	P Flat	R	T	U
9	.6875-24 UNEF	.4375-28 UNEF	.954 (24.23)	0.719 (18.26)	.133 (3.38)	.724 (18.39)	.133 (3.38)	0.656 (16.66)	0.447 (11.35)	.766 (19.46)	.449 (11.40)	1.078 (27.38)	1.204 (30.58)	.655 (16.64)	.125 (3.18)	.661 (16.79)	.703 (17.86)
			.922 (23.42)		.123 (3.12)	.714 (18.14)	.123 (3.12)			.734 (18.64)	.439 (11.15)	1.046 (26.57)	1.172 (29.77)	.645 (16.38)	.093 (2.36)	.655 (16.64)	.693 (17.60)
11	.8125-20 UNEF	.5625-24 UNEF	1.047 (26.59)	0.812 (20.62)	0.133 (3.38)	0.817 (20.75)	0.133 (3.38)	0.796 (20.22)	0.572 (14.53)	0.860 (21.84)	0.574 (14.58)	1.266 (32.16)	1.391 (35.33)	0.755 (19.18)	0.125 (3.18)	0.769 (19.53)	0.835 (21.21)
			1.015 (25.78)		0.123 (3.12)	0.807 (20.50)	0.123 (3.12)			0.828 (21.03)	0.564 (14.33)	1.234 (31.34)	1.359 (34.52)	0.745 (18.92)	0.093 (2.36)	0.761 (19.33)	0.825 (20.96)
13	1.000-20 UNEF	.6875-24 UNEF	1.141 (28.98)	0.906 (23.01)	0.133 (3.38)	0.911 (23.14)	0.133 (3.38)	0.921 (23.39)	0.697 (17.70)	0.985 (25.02)	0.699 (17.75)	1.391 (35.33)	1.516 (38.51)	0.942 (23.93)	0.125 (3.18)	0.953 (24.21)	1.020 (25.91)
			1.109 (28.17)		0.123 (3.12)	0.901 (22.89)	0.123 (3.12)			0.953 (24.21)	0.689 (17.50)	1.359 (34.52)	1.484 (37.69)	0.932 (23.67)	0.093 (2.36)	0.945 (24.00)	1.010 (25.65)
15	1.125-18 UNEF	.8125-20 UNEF	1.235 (31.37)	0.969 (24.61)	0.133 (3.38)	0.973 (24.71)	0.133 (3.38)	1.047 (26.59)	0.822 (20.88)	1.110 (28.19)	0.824 (20.93)	1.516 (38.51)	1.641 (41.68)	1.066 (27.08)	0.125 (3.18)	1.083 (27.51)	1.145 (29.08)
			1.203 (30.56)		0.123 (3.12)	0.963 (24.46)	0.123 (3.12)			1.078 (27.38)	0.814 (20.68)	1.484 (37.69)	1.609 (40.87)	1.056 (26.82)	0.093 (2.36)	1.075 (27.31)	1.135 (28.83)
17	1.250-18 UNEF	.9375-20 UNEF	1.328 (33.73)	1.062 (26.97)	0.133 (3.38)	1.067 (27.10)	0.133 (3.38)	1.218 (30.94)	0.947 (24.05)	1.234 (31.34)	0.949 (24.10)	1.641 (41.68)	1.766 (44.86)	1.191 (30.25)	0.125 (3.18)	1.208 (30.68)	1.270 (32.26)
			1.296 (32.92)		0.123 (3.12)	1.057 (26.85)	0.123 (3.12)			1.202 (30.53)	0.939 (23.85)	1.609 (40.87)	1.734 (44.04)	1.181 (30.00)	0.093 (2.36)	1.200 (30.48)	1.260 (32.00)
19	1.375-18 UNEF	1.0625-18 UNEF	1.454 (36.93)	1.156 (29.36)	0.133 (3.38)	1.161 (29.49)	0.133 (3.38)	1.296 (32.92)	1.072 (27.23)	1.328 (33.73)	1.074 (27.28)	1.828 (46.43)	1.954 (49.63)	1.316 (33.43)	0.156 (3.96)	1.333 (33.86)	1.395 (35.43)
			1.422 (36.12)		0.123 (3.12)	1.151 (29.24)	0.123 (3.12)			1.296 (32.92)	1.064 (27.03)	1.796 (45.62)	1.922 (48.82)	1.306 (33.17)	0.124 (3.15)	1.325 (33.66)	1.385 (35.18)
21	1.500-18 UNEF	1.1875-18 UNEF	1.578 (40.08)	1.250 (31.75)	0.133 (3.38)	1.255 (31.88)	0.133 (3.38)	1.421 (36.09)	1.197 (30.40)	1.454 (36.93)	1.199 (30.45)	1.954 (49.63)	2.078 (52.78)	1.441 (36.60)	0.156 (3.96)	1.458 (37.03)	1.520 (38.61)
			1.546 (39.27)		0.123 (3.12)	1.245 (31.62)	0.123 (3.12)			1.422 (36.12)	1.189 (30.20)	1.922 (48.82)	2.046 (51.97)	1.431 (36.35)	0.124 (3.15)	1.450 (36.83)	1.510 (38.35)
23	1.625-18 UNEF	1.3125-18 UNEF	1.704 (43.28)	1.375 (34.93)	.157 (3.99)	1.380 (35.05)	.159 (4.04)	1.546 (39.27)	1.322 (33.58)	1.579 (40.11)	1.324 (33.63)	2.078 (52.78)	2.204 (55.98)	1.566 (39.78)	.156 (3.96)	1.583 (40.21)	1.645 (41.78)
			1.672 (42.47)		.142 (3.61)	1.370 (34.80)	.149 (3.78)			1.547 (39.29)	1.314 (33.38)	2.046 (51.97)	2.172 (55.17)	1.556 (39.52)	.124 (3.15)	1.575 (40.01)	1.635 (41.53)
25	1.750-18 UNS	1.4375-18 UNEF	1.828 (46.43)	1.500 (38.10)	.157 (3.99)	1.505 (38.23)	.159 (4.04)	1.672 (42.47)	1.447 (36.75)	1.704 (43.28)	1.449 (36.80)	2.204 (55.98)	2.328 (59.13)	1.691 (42.95)	.156 (3.96)	1.708 (43.38)	1.770 (44.96)
			1.796 (45.62)		.142 (3.61)	1.495 (37.97)	.149 (3.78)			1.672 (42.47)	1.439 (36.55)	2.172 (55.17)	2.296 (58.32)	1.681 (42.70)	.124 (3.15)	1.700 (43.18)	1.760 (44.70)

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