

MIL-DTL-38999 Series III Type

233-255 Jam-nut mount, PC tail with threaded standoffs

HERMETIC CONNECTORS

Part Number Development												
Sample Part Number	233-255						-07	ME	17	-8	C	N
Series / Basic Part No.	Series 23 SuperNine CODE RED hermetic connector											
Connector Style	07 = Receptacle, jam nut with standard stand off thread 17 = Receptacle, jam-nut with metric stand off thread											
Material/Finish*	ME = Aluminum alloy 6061-T6, electroless nickel											
Shell Size*	Per MIL-DTL-38999 Series III											
Insert Arrangement*	Per MIL-STD-1560											
Contact Style	C = Pin, PC Tail D = Socket, PC Tail											
Polarization*	A, B, C, D, E, N = Normal; see section A for key position details											

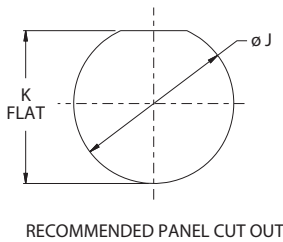
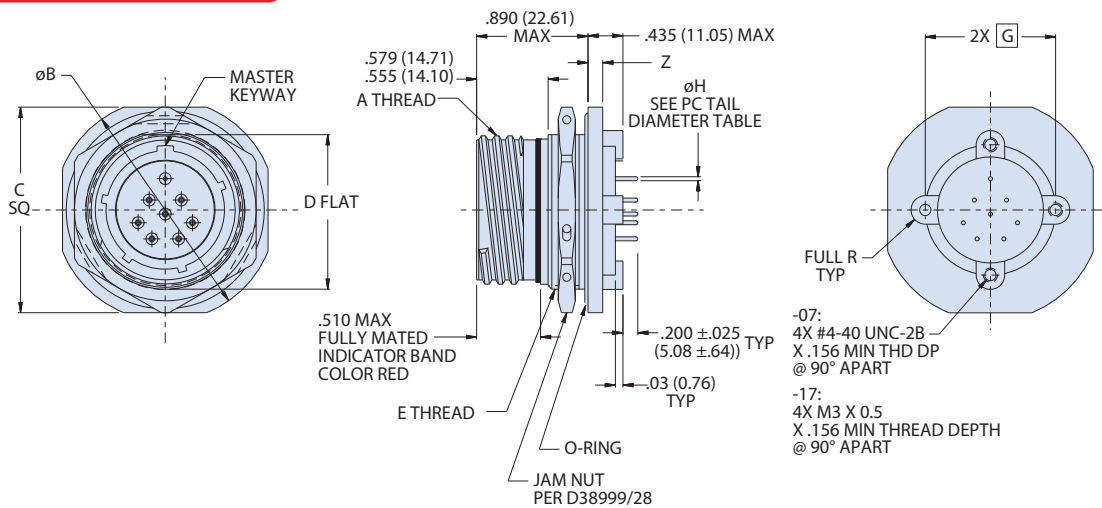
*Refer to Section A for complete details, consult factory for additional options
Modification codes may be added directly to the end of any valid part number

Dimensions								
Shell Size Code	Shell Size	A Thread .1P-.3L-TS-2A	Ø B	C Sq	D Flat	E Thread ISO Metric 1.0-6g 0.100R	F	G Bsc
A	9	.6250	1.200 (30.48) 1.178 (29.92)	1.078 (27.38) 1.048 (26.62)	.654 (16.61) .645 (16.38)	M17	.122 (3.10) .083 (2.11)	.594 (15.09)
B	11	.7500	1.386 (35.20) 1.362 (34.59)	1.268 (32.21) 1.236 (31.39)	.755 (19.18) .745 (18.92)	M20		.719 (18.26)
C	13	.8750	1.512 (38.40) 1.488 (37.80)	1.390 (35.31) 1.358 (34.49)	.942 (23.93) .932 (23.67)	M25		.812 (20.62)
D	15	1.0000	1.638 (41.61) 1.614 (41.00)	1.516 (38.51) 1.484 (37.69)	1.066 (27.08) 1.056 (26.82)	M28		.906 (23.01)
E	17	1.1875	1.764 (44.81) 1.740 (44.20)	1.642 (41.71) 1.610 (40.89)	1.191 (30.25) 1.181 (30.00)	M32		1.030 (26.16)
F	19	1.2500	1.949 (49.50) 1.925 (48.90)	1.827 (46.41) 1.795 (45.59)	1.316 (33.43) 1.306 (33.17)	M35	.153 (3.89) .114 (2.90)	1.150 (29.21)
G	21	1.3750	2.075 (52.71) 2.051 (52.10)	1.953 (49.61) 1.921 (48.79)	1.441 (36.60) 1.431 (36.35)	M38		1.221 (31.01)
H	23	1.5000	2.201 (55.91) 2.177 (55.30)	2.079 (52.81) 2.047 (51.99)	1.566 (39.78) 1.556 (39.52)	M41		1.360 (34.54)
J	25	1.6250	2.323 (59.00) 2.299 (58.39)	2.205 (56.01) 2.173 (55.19)	1.691 (42.95) 1.681 (42.70)	M44		1.475 (37.47)

NOTES

- Meets applicable mechanical, dimensional, electrical, environmental and sealing requirements of MIL-DTL-38999, D38999/23, PC tails
- Insert arrangement in accordance with MIL-STD-1560. Contact manufacturer for available arrangement options
- Dimensions shown comply with applicable MIL-DTL-38999/23
- Connectors have been tested and meet applicable performance requirements of MIL-DTL-38999, series III, class N and Y. See Glenair test report GT-16-223
- Performance
 - Operation temperature Range: -65°C to +200°C
 - Leak Rate: 1 x 10⁻⁷ cc/s max helium, 1 ATM
 - IR: 5,000 megohms min at room temperature per MIL-DTL-38999
 - DWV: see service rating per applicable MIL-STD-1560 arrangements

CODE RED



RECOMMENDED PANEL CUT OUT

Panel Mount Dimensions			
Shell Size Code	Shell Size	ϕJ	K Flat
A	9	.703 (17.86)	.661 (16.79)
		.693 (17.60)	.655 (16.64)
B	11	.835 (21.21)	.771 (19.58)
		.825 (20.96)	.761 (19.33)
C	13	1.020 (25.91)	.955 (24.26)
		1.010 (25.65)	.945 (24.00)
D	15	1.145 (29.08)	1.085 (27.56)
		1.135 (28.83)	1.075 (27.30)
E	17	1.270 (32.26)	1.210 (30.73)
		1.260 (32.00)	1.200 (30.48)
F	19	1.395 (35.43)	1.335 (33.91)
		1.385 (35.18)	1.325 (33.65)
G	21	1.520 (38.61)	1.460 (37.08)
		1.510 (38.35)	1.450 (36.83)
H	23	1.645 (41.78)	1.585 (40.26)
		1.635 (41.53)	1.575 (40.00)
J	25	1.770 (44.96)	1.710 (43.43)
		1.760 (44.70)	1.700 (43.18)

PC Tail Diameter Dimensions	
Contact Size	PC Tail ϕH
No 23	.020 (0.51)
	.018 (0.46)
No 22	.020 (0.51)
	.018 (0.46)
No 20	.030 (0.76)
	.028 (0.71)
No 16	.040 (1.02)
	.038 (0.97)
No 12	.072 (1.83)
	.070 (1.78)

Material/Finish

- Shell and jam-nut: aluminum alloy 6061-T6/nickel plate per D38999 series III, Class F
- Insulator: high grade rigid dielectric/N.A.
- O-ring and seals: fluorosilicone blend/N.A.
- Contacts: copper alloy/gold plated
- Sealing compound: silicone base polymer

HERMETIC CONNECTORS