SuperNine® Environmental Series

MIL-DTL-38999 Series III Type

Material and finish / panel cut-out dimensions

SUMMARY OF MATERIALS AND SPECIFICATIONS (see performance spec for complete information)

Shell Type and Sizes

- Shell Type – D38999 Series III Type, sizes 9 through 25

Electrical Specifications:

- Operating Voltage Rating (Ground) – 400 to 1000 Volts VAC
- Operating Current Rating – 5 to 46 Amps

Environmental / Mechanical Performance

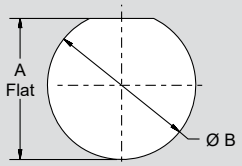
- Sealing – IP67 or better depending on family
- Flammability Toxicity – FAR25 compliant low smoke, zero halogen
- Leak Rate: connectors with fixed PC tail contacts<1 x 10-4 ccHe/sec in the unmated condition
- Operating Temperature Range – -65°C to +200°C (finish dependant)
- Mechanical Shock and Vibration – 43.9 g's @ 200°C, 3 axis, 300 Hz/300 g's
- Accessory – banding porch or thread
- Durability (Mating Cycles) – up to 1500
- Outgassing - See space information in this section

Material and Finish				
38999 Class Equiv.	Sym	Material	Finish Description	RoHS
F	ME	Aluminum	Electroless nickel	☑
T	MT		Ni-PTFE 500 hour nickel fluorocarbon polymer	☑
W	NF		Cadmium O.D. over electroless nickel	☒
Z	ZR		Black zinc-nickel over electroless nickel	☑
N/A	T0	Titanium	Natural, unplated	☑
N/A	TP3		Electro-deposited nickel	☑
K	Z1	Stainless Steel	Passivate	☑
L	ZL		Electro-deposited nickel	☑
N/A	AB	Marine Bronze	Unplated	☑

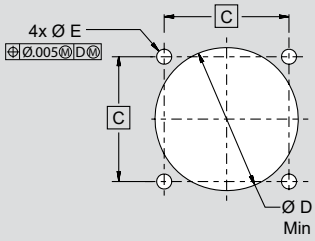
Additional material/finish options available, consult factory

PANEL CUT-OUT DIMENSIONS

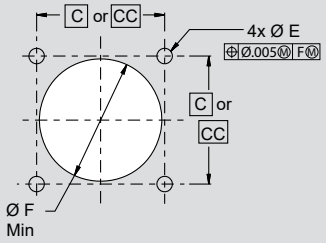
Jam Nut Mount



Wall Mount, Rear Panel Mount



Wall Mount, Front Panel Mount



Recommended Panel Cut-Out Dimensions								
Shell Size Code	Shell Size	Jam Nut Mount		Wall Mount				
		A Flat	B Dia	C BSC	CC BSC	D Dia Min	E Dia Flange Holes	F Dia Min
A	9	.661/.654 (16.80/16.60)	.703/.693 (17.85/17.60)	.719 (18.26)	.594 (15.09)	.656 (16.66)	.133/.123 (3.38/3.12)	.516 (13.12)
B	11	.771/.761 (19.58/19.34)	.835/.825 (21.21/20.96)	.812 (20.62)	.719 (18.26)	.796 (20.22)		.625 (15.88)
C	13	.955/.945 (24.26/24.01)	1.020/1.010 (25.90/25.65)	.906 (23.01)	.812 (20.62)	.922 (23.42)		.750 (19.05)
D	15	1.085/1.075 (27.56/27.31)	1.145/1.135 (29.08/28.83)	.969 (24.61)	.906 (23.01)	1.047 (26.59)		.906 (23.01)
E	17	1.210/1.200 (30.73/30.48)	1.270/1.260 (32.26/32.00)	1.062 (26.97)	.969 (24.61)	1.219 (30.96)		1.016 (25.81)
F	19	1.335/1.325 (33.91/33.66)	1.395/1.385 (35.43/35.18)	1.156 (29.36)	1.062 (26.97)	1.297 (32.94)		1.141 (28.98)
G	21	1.460/1.450 (37.08/36.83)	1.520/1.510 (38.60/38.35)	1.250 (31.75)	1.156 (29.36)	1.422 (36.12)		1.266 (32.16)
H	23	1.585/1.575 (40.26/40.01)	1.645/1.635 (41.78/41.53)	1.375 (34.93)	1.250 (31.75)	1.547 (39.29)	.159/.149 (4.04/3.78)	1.375 (34.93)
J	25	1.710/1.700 (43.43/43.18)	1.770/1.760 (44.99/44.74)	1.500 (38.10)	1.375 (34.92)	1.672 (42.47)	.155/.145 (3.94/3.68)	1.484 (37.69)