

MIL-DTL-38999 Series I Type 240-381A Connector adapter

FILTER CONNECTORS



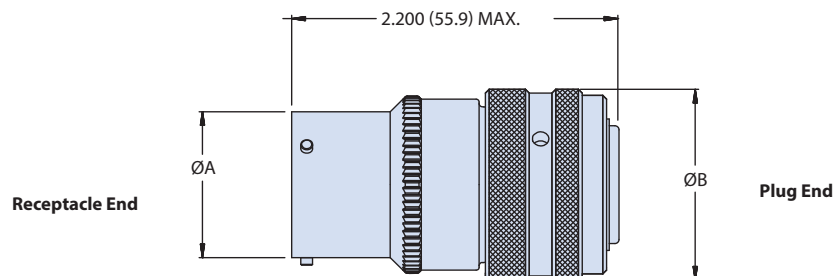
CONNECTOR FEATURES

- Bayonet coupling for rapid mating
- Scoop proof technology
- MIL-STD-1560 insert arrangements
- Quick turn, positive lock, full mate indicator
- Numerous Contact/Wire/Braid terminations Options
- 500 cycles per D38999
- Enhanced finishes like tin zinc are RoHS compliant and cadmium compatible
- Available in wall-mount, box mount, clinch-nut, helicoil receptacles
- Filtered Savcons provide immediate solutions and protect mating/unmating wear
- Stainless steel bayonets utilized
- Max operating temperature is 125°C

POWER SPECIFICATIONS

- EMI Circular Filters designed to meet requirements of MIL-STD-2120 and MIL-DTL-38999, Series I
- Dielectric Withstanding Voltage: 500VDC; Standard Operating Voltage 200VDC (Filter Class X,Y and Z are 250VDC)
- Insulation Resistance: 5,000 Megohms at 200VDC for Class A,B,C,D,E,F,G,J / 1,000 Megohms at 83VDC for Class X,Y,Z

HOW TO ORDER									
Sample Part Number	240-381	A	ME	15-35	PS	P	A	N	U
Filter Connector	MIL-DTL-38999 Series I Type								
Shell Style	A = Connector Adapter								
Connector Class	See Table I								
Insert Arrangement	IAW MIL-STD-1560. (See pages B-4 – B-5)								
Contact Gender	PS = Pins, Plug Side SP = Sockets, Plug Side (See Note 2)								
Filter Type	P = Pi Circuit C = C Circuit (See Note 1)								
Capacitance	See Table II								
Flange Mounting Style	N = Not Applicable								
Alternate Key Position	A, B, C, D, N = Normal, U = Universal (See page B-5) (See Note 3)								



* Please consult the factory for Pin/Pin and/or Socket/Socket contact arrangements.

TABLE I: CONNECTOR CLASS			
Sym	Class	Material	Finish Description
ME	Environmental	Aluminum	Electroless Nickel
MT	Environmental	Aluminum	Ni-PTFE 1000 Hour Grey™ Nickel Fluorocarbon Polymer
NF	Environmental	Aluminum	Cadmium O.D. Over Electroless Nickel
ZL	Environmental	Stainless Steel	Electro-Deposited Nickel
ZN	Environmental	Aluminum	Zinc-Nickel, Olive Drab
ZR	Environmental	Aluminum	Zinc Nickel, Black - RoHS

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**TABLE II: CAPACITOR ARRAY CODE
CAPACITANCE RANGE**

Class	Pi - Circuit (pF)	C - Circuit (pF)
X*	160,000 - 240,000	80,000 - 120,000
Y*	80,000 - 120,000	40,000 - 60,000
Z*	60,000 - 90,000	30,000 - 45,000
A	38,000 - 56,000	19,000 - 28,000
B	32,000 - 45,000	16,000 - 22,500
C	18,000 - 33,000	9,000 - 16,500
D	8,000 - 12,000	4,000 - 6,000
E	3,300 - 5,000	1,650 - 2,500
F	800 - 1,300	400 - 650
G	400 - 600	200 - 300
J	70-120	35-60

* Filter Classes X, Y and Z are 250 VDC.
All others are 500 VDC

TABLE III: DIMENSIONS

Shell Size	Ø A Max	Ø B Max
9	.573 (14.6)	.910 (23.1)
11	.701 (17.8)	1.035 (26.3)
13	.851 (21.6)	1.210 (30.7)
15	.976 (24.8)	1.330 (33.8)
17	1.101 (28.0)	1.455 (37.0)
19	1.208 (30.7)	1.570 (39.9)
21	1.333 (33.9)	1.695 (43.1)
23	1.458 (37.0)	1.800 (45.7)
25	1.583 (40.2)	1.925 (48.9)

NOTES

1. Other filter styles (C-L, L-C, Unbalanced Pi, Multi-Stage, Multi-Value) are available, please consult the factory.
2. Please consult the factory for pin/pin and/or socket/socket contact arrangements.
3. Do not mate universal key position with another universal.