F38 Series Filtered Terminal Blocks

SPECIFICATIONS
Ratings: 30A, 240VAC, 300VDC.
Center Spacing: 0.437" or 7/16" (11.10mm)
Wire Size: # 10-22 AWG CU
Screw Size: # 8-32 (# 6-32 available, consult factory)
Torque Rating: 15 in-lb.
Operating Temperature: –55°C to +105°C.
Housing Material: 94VO Thermoplastic.
Molded Material: Black, UL rated 94V0 thermoplastic.
Terminal Material: Brass, Tin-Plated
Capacitance: 1,000 pF to 5,000 pF in either C or Pi Schematic
Dielectric Withstanding Voltage: 1000 VAC; 1700VDC
D.C. Resistance: 0.01 ohms max.
Agency Information: UL/CSA, CE Certified

# of Poles	A Front Mount	A Rear Mount	B	C	D
2	1.67	1.88	1.31	0.93	0.44
3	2.10	2.32	1.75	1.37	0.88
4	2.54	2.76	2.19	1.81	1.31
5	2.98	3.19	2.63	2.25	1.75
6	3.41	3.63	3.06	2.68	2.19
7	3.85	4.07	3.50	3.12	2.62
8	4.29	4.51	3.94	3.56	3.06

* Note: In inches. Available up to 16 poles. Consult factory.

FEATURES
• Rugged integrated construction of filtering elements around a solid brass pin provides excellent EMI/RFI filtering
• Filter element provides high insertion loss for EMI/RFI filtering of AC and DC power and control lines
• 2 to 8 terminals standard – up to 16 poles available
• Cost-effective EMI solution for industrial interconnection filtering
• Termination options are straight lead, male or female quick connect
• Custom and special options available including:
  – Different capacitance values on each position
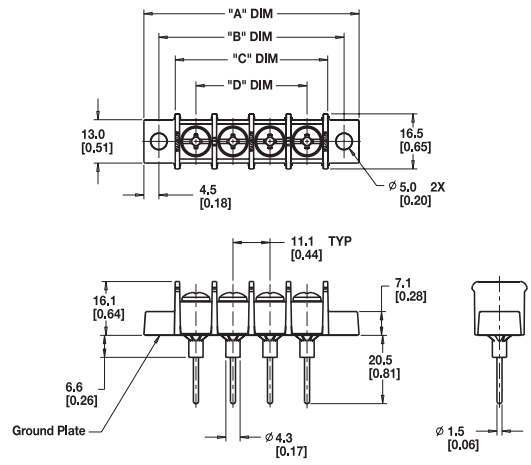 – Wire assemblies added to pins

Insertion Loss for 2,500 pF Pi Schematic
Typical Insertion Loss (dB) in 50 Ohm Circuit

30MHz . . . . .42 dB	300 MHz . . . . .68 dB
50 MHz . . . . .45 dB	1000 MHz . . . . .70 dB
100 MHz . . . . .50 dB	

* Note: For other capacitance insertion loss, consult factory.

O - Front Panel Mount

I - Rear Panel Mount
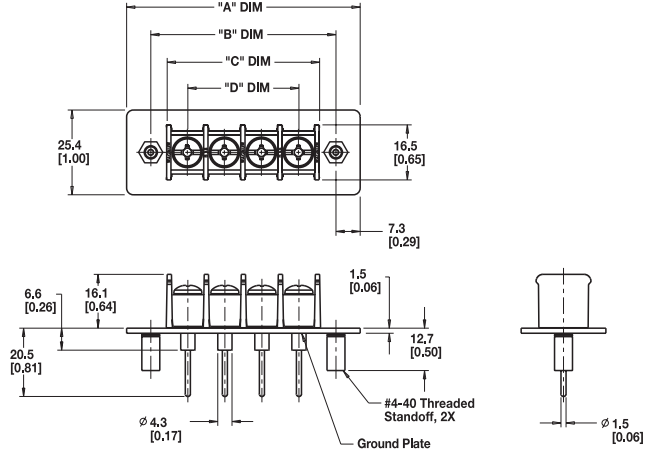
Part Numbering System

Inches (Millimeters)

Series	Terminal Style	Mounting	# of Poles	Screw Options	Filter Options	Capacitance

F 3 8

Terminal Style
0 - straight lead
1 - 0.187" quick connect (male)
2 - 0.187" quick connect (male)
3 - 0.250" quick connect (male)
4 - 0.250" quick connect (female)

Mounting
0 - front panel mount with mount ends
1 - rear panel mount with #4-40 threaded inserts

# of Poles
02 to **08***

Screw Options
Blank - #8-32, steel, zinc plated philslot BHMS (stnadard)
04 - #8-32, brass, nickel plated philslot BHMS
92 - #8-32, steel, zinc plated slotted BHMS
94 - #8-32, brass, nickel plated slotted BHMS

Filter Options
C - C Filter
P - Pi Filter

Capacitance
1.0 - 1,000 pF + 100%-0%
2.5 - 2,500 pF + 100%-0%
5.0 - 5,000 pF + 100%-0%

* Note: Standard is 02-08 poles. Available up to 16 poles. Consult factory for availability.
Special electrical/mechanical configurations are available upon request from factory.