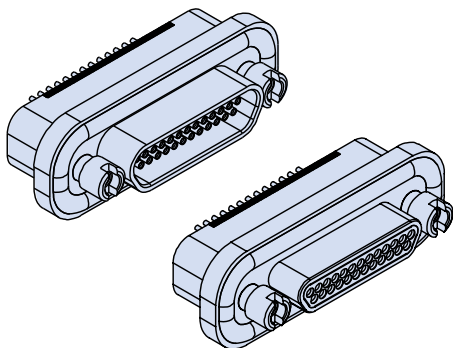




240-077 Rear Panel Mount Micro-D Filter Connectors Insulated Wire



Glenair Filtered Insulated Wire Micro-D's provide EMI solutions in a miniaturized M83513 Micro-D connector. These connectors feature ceramic capacitor planar arrays and ferrite inductors. Insulated wire is factory precision-crimped to TwistPin contacts for superior reliability in the most demanding environments.

Choose Pi or C Filter Arrays in eight filter classes and six layouts. Glenair filtered Micro-D connectors comply with applicable MIL-DTL-83513 requirements and are 100% intermateable with standard connectors.

Choose 9 to 37 Contacts, with standard cadmium or nickel plating on the connector housing or choose optional finishes such as gold or chem film.

How To Order Rear Panel Mount Filter Connectors with Insulated Wire

Sample Part Number	240-077	-2	-25	S	C	F	-6	K	7	-18	R1	N	N
Series	240-077												
Shell Finish	Aluminum Shell 1 - Cadmium 2 - Nickel 5 - Gold 6 - Chem Film 33 - Nickel/PTFE												
Contact Layout	9, 15, 21, 25, 31, 37 (See Table II)												
Contact Type	P - Pin S - Socket												
Filter Type	C - C Filter P - Pi Filter												
Filter Class	A, B, C, D, E, F, G, J (See Table I)												
Wire Gauge	4 - 24 6 - 26 8 - 28 0 - 30												
Wire Type	K - M22759/11 J - M22759/33 E - NEMA HP3-EB (M16878/4)												
Wire Color/Type	1 - White 2 - Yellow 5 - Full Color 7 - 10 Color Repeat												
Wire Length	18 - 18 Inches												
Hardware Option	Rear Panel Mount Hardware Option (See Note 1) B - No Hardware R1 - 0.032" (0.8) Panel R2 - 0.047" (1.2) Panel R3 - 0.062" (1.6) Panel R4 - 0.093" (2.4) Panel R5 - 0.125" (3.2) Panel R6 - 0.080" (2.0) Panel												
Plug EMI Ground Spring	G - Ground spring installed N - No ground spring (N applies to all receptacle assemblies) (See Note 2)												
O-Ring	C - Conductive N - Non-Conductive (Nitrile)												

Table I: Micro-D Filter Classes and Performance

Filter Class	A	B	C	D	E	F	G	J
Capacitance (pF)								
C Filter	19000-28000	16000-22500	9000-16500	4000-6000	1650-2500	400-650	200-300	35-60
Pi Filter	38000-56000	32000-45000	18000-33000	8000-12000	3300-5000	800-1300	400-600	70-120

240-077

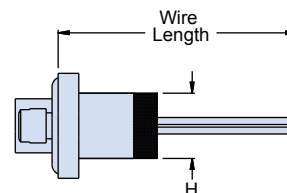
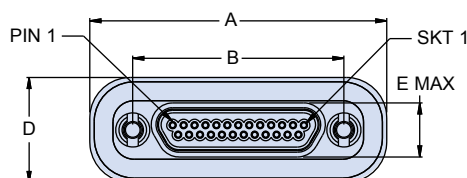
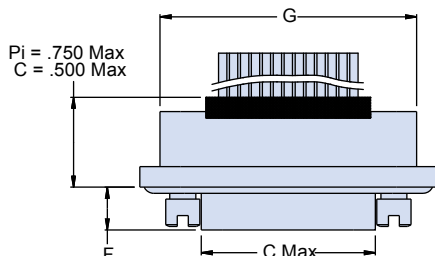
Rear Panel Mount Micro-D Filter Connectors

Insulated Wire



Micro-D
MIL-DTL-83513 Type

Table II: Dimensions



Shell Size	A ±.005		B ±.003		C Max		D ±.005		E Max		F ±.003		G ±.005		H Max	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
9P	0.960	24.38	0.565	14.35	0.334	8.48	0.480	12.19	0.184	4.67	0.183	4.65	.790	20.07	0.310	7.87
9S	0.960	24.38	0.565	14.35	0.400	10.16	0.480	12.19	0.250	6.35	0.195	4.95	.790	20.07	0.310	7.87
15P	1.110	28.19	0.715	18.16	0.484	12.29	0.480	12.19	0.184	4.67	0.183	4.65	.940	23.88	0.310	7.87
15S	1.110	28.19	0.715	18.16	0.550	13.97	0.480	12.19	0.250	6.35	0.195	4.95	.940	23.88	0.310	7.87
21P	1.260	32.00	0.865	21.97	0.634	16.10	0.480	12.19	0.184	4.67	0.183	4.65	1.090	27.69	0.310	7.87
21S	1.260	32.00	0.865	21.97	0.700	17.78	0.480	12.19	0.250	6.35	0.195	4.95	1.090	27.69	0.310	7.87
25P	1.360	34.54	0.965	24.51	0.734	18.64	0.480	12.19	0.184	4.67	0.183	4.65	1.190	30.23	0.310	7.87
25S	1.360	34.54	0.965	24.51	0.800	20.32	0.480	12.19	0.250	6.35	0.195	4.95	1.190	30.23	0.310	7.87
31P	1.510	38.35	1.115	28.32	0.884	22.45	0.480	12.19	0.184	4.67	0.183	4.65	1.340	34.04	0.310	7.87
31S	1.510	38.35	1.115	28.32	0.950	24.13	0.480	12.19	0.250	6.35	0.195	4.95	1.340	34.04	0.310	7.87
37P	1.660	42.16	1.265	32.13	1.034	26.26	0.480	12.19	0.184	4.67	0.183	4.65	1.490	37.85	0.310	7.87
37S	1.660	42.16	1.265	32.13	1.100	27.94	0.480	12.19	0.250	6.35	0.195	4.95	1.490	37.85	0.310	7.87

Notes

- Mounting holes fitted with 2x .086-56 threaded insert, .15 min thread. (T3585-02CPF129).
- Ground spring not available on cadmium plated assemblies.
- Interface dimensions per MIL-DTL-83513.
- Electrical performance:
I.R.: 5000 Megohms min at 100 VDC
D.W.V.: 200 VDC
- Assembly to be identified with Glenair's name, part number, date code, and pin 1 identification.

Materials / Finishes:

- Shell - Aluminum Alloy/See Chart
- Insulator - LCP/NA
- Contacts - Copper Alloy/Gold Plated
- Ground Spring - Stainless Steel/Gold Plated
- Socket Interfacial Seal: Fluorosilicone

Dimensions in inches (millimeters) and are subject to change without notice.

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