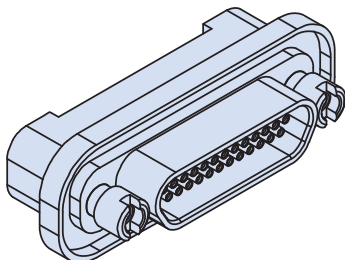




240-076 Rear Panel Mount PCB Micro-D Filter Connectors Vertical Mount Style



Glenair Rear Panel Mount Micro-D, PCB Filter Connector

These vertical mount PCB connectors are ideal for flexible circuit or motherboard applications.

Key Features include gold plated TwistPin contacts, machined aluminum shells, and either Pi or C filter elements. These environmentally sealed connectors are designed to meet the requirements of MIL-DTL-83513.

Integral Board Standoffs and Pre-Tinned Tails These connectors are solder dipped (63/37 SnPb) and feature a full complement of mounting hardware options.

How To Order Rear Panel Mount Micro-D Filtered Vertical Mount PCB

Sample Part Number	240-076	-2	-25	S	C	F	R1	.110	N	N
Series	240-076									
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 - Plug/Pin S - Receptacle/Socket									
Filter Type	C - C Filter P - Pi Filter									
Filter Class	A, B, C, D, E, F, G, J (See Table I)									
Hardware Option See Note 1	Rear Panel Mount Hardware Option R1 - 0.032" (.08) Panel R2 - 0.047" (.12) Panel R3 - 0.062" (.16) Panel R4 - 0.093" (.12) Panel R5 - 0.125" (.32) Panel R6 - 0.080" (.20) Panel									
Lead Length	.080, .110, .125, .140, .150, .190, .250									
Plug EMI Ground Spring See Note 2	G - Ground Spring Installed N - No Ground Spring (N applies to all receptacle assemblies)									
O-Ring	C - Conductive N - Non-Conductive (Nitrile)									

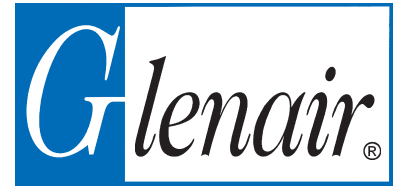
Table I: Micro-D Filter Classes and Performance

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

240-076

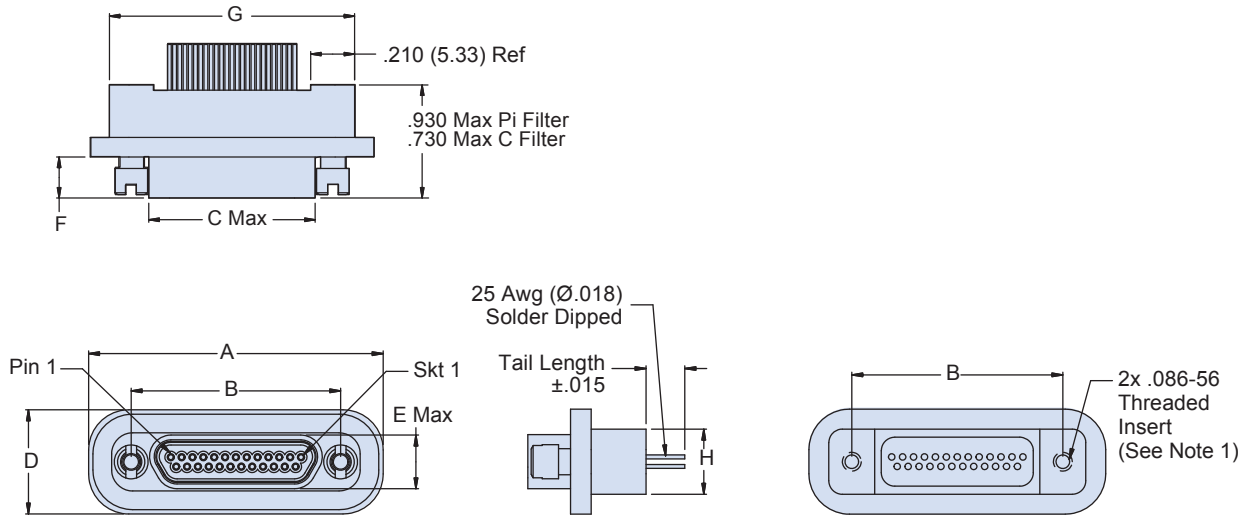
PCB Rear Panel Mount Micro-D Filter Connectors

Vertical Mount Style



Micro-D Filter

Table II: Dimensions



G

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	364.52	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	364.52	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	461.29	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	461.29	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	558.06	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	558.06	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	622.58	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	622.58	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	719.35	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	719.35	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	816.13	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	816.13	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.
- See 240-031 for PCB layout

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