

240-031
PCB Micro-D Filter Connectors
Vertical Mount



Vertical Mount Printed Circuit Board Micro-D Filter Connectors. 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 Micro-D Filter Vertical Mount PCB Connectors

Sample Part Number	240-031	-2	-25	P	C	D	1	PN
Series	240-031							
Shell Finish	Aluminum Shell 1 - Cadmium 2 - Nickel 4 - Black Anodize 5 - Gold 6 - Chem Film		Stainless Steel Shell 3 - Passivated					
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 (See Table I)							
Filter Class	A, B, C, D, E, F, G, J (See Table I)							
PC Tail Length	1 - .110 Inches (2.79) 2 - .250 Inches (6.35) Length in Inches ± .015 (0.38)							
Hardware Option	PCB Hardware Options NN - No Jackpost, No Threaded Insert PN - Extended Jackpost for .062" (1.6) PCB, No Threaded Insert RN - Extended Jackpost for .196" (5.0) PCB, No Threaded Insert NU - Threaded Insert Only, No Jackposts PU - Short Jackpost and Threaded Insert		Rear Panel Jackposts with Threaded Inserts R6U - 0.125" (3.2) Panel R5U - 0.094" (2.4) Panel R4U - 0.062" (1.6) Panel R3U - 0.047" (1.2) Panel R2U - 0.031" (0.8) Panel			Jackscrew Options M - Hex Head Jackscrews S - Slot Head Jackscrews		



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



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Table II: Dimensions



Layout	A Max.		B		C Max.		D Max.		E Max.		F	
	In.	mm.	In. ± .003	mm. ± 0.08	In.	mm.	In.	mm.	In.	mm.	In. ± .004	mm. ± 0.10
9P	.785	19.94	.565	14.35	.333	8.46	.184	4.67	.310	7.87	.183	4.65
9S	.785	19.94	.565	14.35	.400	10.16	.250	6.35	.310	7.87	.195	4.95
15P	.935	23.75	.715	18.16	.483	12.27	.184	4.67	.310	7.87	.183	4.65
15S	.935	23.75	.715	18.16	.551	14.00	.250	6.35	.310	7.87	.195	4.95
21P	1.085	27.56	.865	21.97	.633	16.08	.184	4.67	.310	7.87	.183	4.65
21S	1.085	27.56	.865	21.97	.701	17.81	.250	6.35	.310	7.87	.195	4.95
25P	1.185	30.10	.965	24.51	.733	18.62	.184	4.67	.310	7.87	.183	4.65
25S	1.185	30.10	.965	24.51	.801	20.35	.250	6.35	.310	7.87	.195	4.95
31P	1.335	33.91	1.115	28.32	.883	22.43	.184	4.67	.310	7.87	.183	4.65
31S	1.335	33.91	1.115	28.32	.951	24.16	.250	6.35	.310	7.87	.195	4.95
37P	1.485	37.72	1.265	32.13	1.033	26.24	.184	4.67	.310	7.87	.183	4.65
37S	1.485	37.72	1.265	32.13	1.101	27.96	.250	6.35	.310	7.87	.195	4.95

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Hardware Options

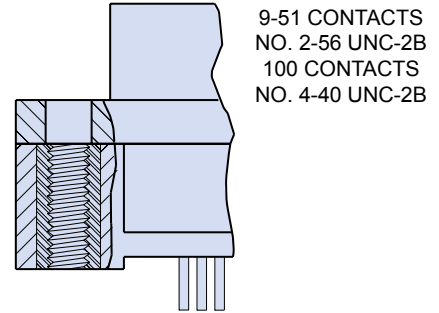


Micro-D Filter

Micro-D Filter Vertical PCB Hardware Options



NN Style
 Connector Supplied Without Hardware
 Thru-Hole, No Hardware



NU Style
 Connector Supplied With Threaded Inserts



PU Style
 Jackpost with Threaded Insert



RU Style
 Rear Panel Jackpost with Threaded Insert



Extended Jackpost
PN Style
 for .062" PCB

RN Style
 for .196" PCB



M Style
 Hex Head Jackscrew with E-Ring



S Style
 Slot Head Jackscrew with E-Ring



240-031 Vertical Mount PCB Micro-D Filter Connectors PCB Layouts

Micro-D Filter Vertical PCB Layouts — Pin Connector Shown

PC Tail Diameter $.018 \pm .002$ (0.46 ± 0.05)
Contact numbers shown are for pin connectors.



9 CONTACTS



15 CONTACTS



21 CONTACTS



25 CONTACTS



31 CONTACTS



37 CONTACTS

240-031
Vertical Mount PCB Micro-D Filter Connectors
PCB Layouts



Micro-D Filter

Micro-D Filter Vertical PCB Layouts — Socket Connector Shown

PC Tail Diameter $.018 \pm .002$ (0.46 ± 0.05)
 Contact numbers shown are for socket connectors.



9 CONTACTS



15 CONTACTS



21 CONTACTS



25 CONTACTS



31 CONTACTS



37 CONTACTS

