



247-379

Edge Board Micro-D Filter Connector



Glenair Edge Board Micro-D Filter Connectors provide EMI solutions in a miniaturized M83513 Micro-D connector. These connectors feature ceramic capacitor planar arrays and ferrite inductors.

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 Edge Board Micro-D Filter Connector

Sample Part Number	247-379	-2	-21	P	C	A	PN
Series	247-379						
Shell Finish	Aluminum Shell 1 - Cadmium 2 - Electroless Nickel 5 - Gold						
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 N - No Filter						
Filter Class	A, B, C, D, E, F, G, N, J (See Table I)						
Hardware Option (See Note 1)	NN - No Jackpost, No Threaded Insert PN - Jackpost, No Threaded Insert NU - Threaded Insert Only, No Jackpost (see Table III)		Rear Panel Mount Jackpost: R2U - 0.031" (0.6) Panel R3U - 0.047" (1.2) Panel R4U - 0.062" (1.6) Panel R5U - 0.094 (2.4) Panel R6U - 0.125" (3.2) Panel			Jackscrew Option: M - Hex Head Jackscrews S - Slot Head Jackscrews (See Table IV)	

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

Notes

- PC tail configuration intended for use with .062 board thickness
- Electrical Performance:
 - Insulation Resistance: 5000 megohms Min at 100 VDC
 - Dielectric Withstanding Voltage: 200 VDC

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

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Table II: Dimensions



Shell Size	A $\pm.010$		B Max		C $\pm.003$		D Max		F $\pm.004$		H Max	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
9P	0.785	19.94	0.333	8.46	0.565	14.35	0.184	4.67	0.183	4.65	0.400	10.16
9S	0.785	19.94	0.400	10.16	0.565	14.35	0.250	6.35	0.195	4.95	0.400	10.16
15P	0.935	23.75	0.483	12.27	0.715	18.16	0.184	4.67	0.183	4.65	0.550	13.97
15S	0.935	23.75	0.551	14.00	0.715	18.16	0.250	6.35	0.195	4.95	0.550	13.97
21P	1.085	27.56	0.633	16.08	0.865	21.97	0.184	4.67	0.183	4.65	0.700	17.78
21S	1.085	27.56	0.701	17.81	0.865	21.97	0.250	6.35	0.195	4.95	0.700	17.78
25P	1.185	30.10	0.733	18.62	0.965	24.51	0.184	4.67	0.183	4.65	0.800	20.32
25S	1.185	30.10	0.801	20.35	0.965	24.51	0.250	6.35	0.195	4.95	0.800	20.32
31P	1.335	33.91	0.883	22.43	1.115	28.32	0.184	4.67	0.183	4.65	0.950	24.13
31S	1.335	33.91	0.951	24.16	1.115	28.32	0.250	6.35	0.195	4.95	0.950	24.13
37P	1.485	37.72	1.033	26.24	1.265	32.13	0.184	4.67	0.183	4.65	1.100	27.94
37S	1.485	37.72	1.101	27.97	1.265	32.13	0.250	6.35	0.195	4.95	1.100	27.94



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Micro-D Filtered Edge Board Connector - Plug



Pad Height and Width



Size 25P



Size 9P



Size 31P



Size 15P



Size 37P



Size 21P

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Micro-D Filtered Edge Board Connector - Socket



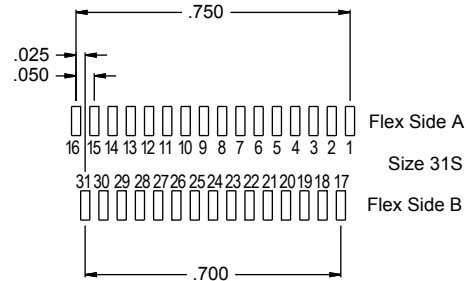
Pad Height and Width



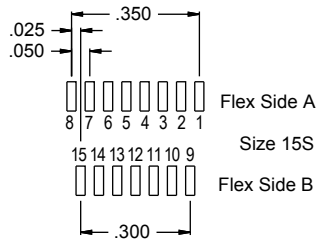
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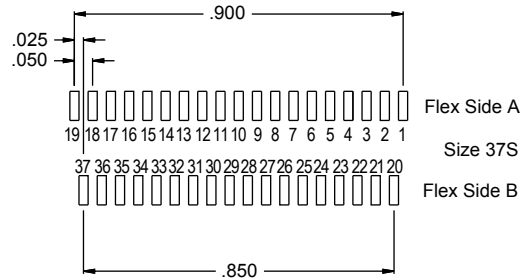
Size 9S



Size 31S



Size 15S



Size 37PS



Size 21S

