



240-033 Micro-D Pin-Socket In-Line Filter Adapters



Avoid Costly Redesign with Micro-D Filter Adapters. Upgrade your existing cables and boxes to meet EMI requirements. These pin-socket adapters can be plugged into any standard M83513 connectors. Simply unplug your existing cable, install the filter adapter, and plug the cable into the adapter.

In-Line Filter Adapters feature gold plated TwistPin contacts, machined aluminum shells, and either Pi or C filter elements. These environmentally sealed adapters are designed to meet the requirements of MIL-DTL-83513.

How To Order Micro-D In-Line Filter Adapters

Sample Part Number		240-033	-2	-21	PS	C	D	P
Series	240-033							
Shell Finish	Aluminum Shell 1 - Cadmium 4 - Black Anodize 6 - Chem Film 2 - Nickel 5 - Gold 3 - Passivated							
Contact Layout	9, 15, 21, 25, 31, 37 (See Table II)							
Contact Type	PS - Pin/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)							
Hardware	N - No Hardware P - Combination Jackscrew and Jackpost							

Micro-D In-Line Filter Adapter Contact Arrangements

9 	15 	21 	25
31 	37 		

Mating Face View of Pin Connector. Socket connectors have reversed cavity numbers.

Table I: Micro-D Filter Classes and Performance

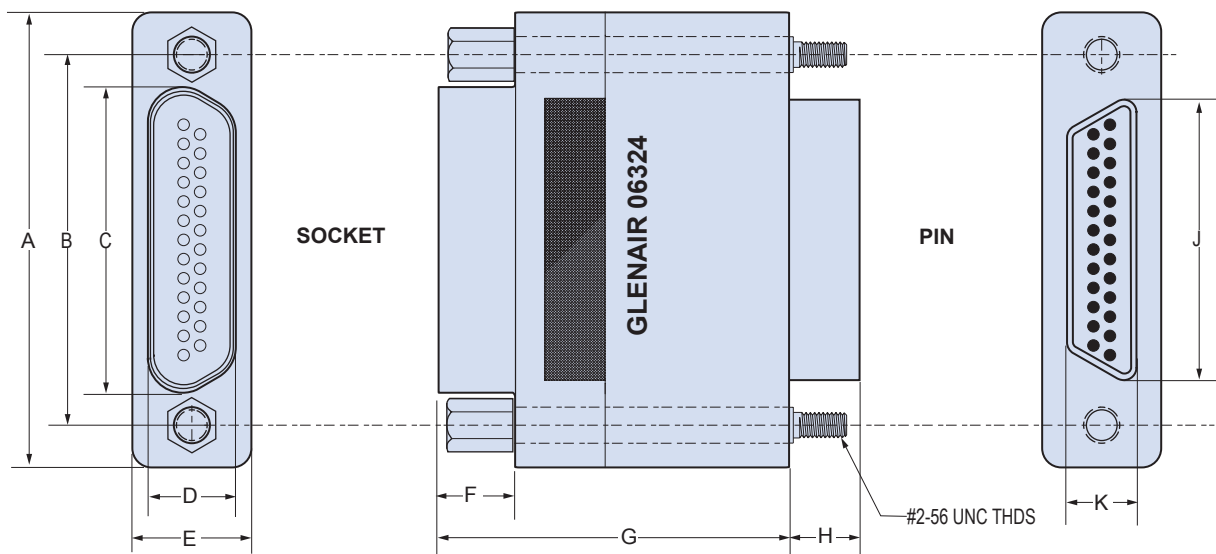
Filter Class	A	B	C	D	E	F	G	J
Capacitance (pF)								
C Filter	19000-28000	16000-22500	9000-16500	4000-6000	1650-2500	400-650	200-300	35-60
Pi Filter	38000-56000	32000-45000	18000-33000	8000-12000	3300-5000	800-1300	400-600	70-120

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Micro-D Filter

Table II: Dimensions



Layout	A Max.		B		C Max.		D Max.		E Max.		F		G Max.		H		J Max.		K Max.	
	In.	mm.	In. ±.003	mm. ±0.08	In.	mm.	In.	mm.	In.	mm.	In. ±.004	mm. ±0.10	In.	mm.	In. ±.004	mm. ±0.10	In.	mm.	In.	mm.
9PS	.785	19.94	.565	14.35	.400	10.16	.250	6.35	.310	7.87	.195	4.95	1.400	35.56	.183	4.65	.333	8.46	.184	4.67
15PS	.935	23.75	.715	18.16	.531	14.00	.250	6.35	.310	7.87	.195	4.95	1.400	35.56	.183	4.65	.483	12.27	.184	4.67
21PS	1.085	27.56	.865	21.97	.701	17.81	.250	6.35	.310	7.87	.195	4.95	1.400	35.56	.183	4.65	.633	16.08	.184	4.67
25PS	1.185	30.10	.965	24.51	.801	20.35	.250	6.35	.310	7.87	.195	4.95	1.400	35.56	.183	4.65	.733	18.62	.184	4.67
31PS	1.335	33.91	1.115	28.32	.951	24.16	.250	6.35	.310	7.87	.195	4.95	1.400	35.56	.183	4.65	.883	22.43	.184	4.67
37PS	1.485	37.72	1.265	32.13	1.101	27.96	.250	6.35	.310	7.87	.195	4.95	1.400	35.56	.183	4.65	1.033	26.24	.184	4.67