



## 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

<b>Sample Part Number</b>	<b>240-033</b>	<b>-2</b>	<b>-21</b>	<b>PS</b>	<b>C</b>	<b>D</b>	<b>P</b>
<b>Series</b>	<b>240-033</b>						
<b>Shell Finish</b>	Aluminum Shell 1 - Cadmium 4 - Black Anodize 6 - Chem Film	2 - Nickel 5 - Gold	Stainless Steel Shell 3 - Passivated				
<b>Contact Layout</b>	9, 15, 21, 25, 31, 37 (See Table II)						
<b>Contact Type</b>	PS - Pin/Socket						
<b>Filter Type</b>	C - C Filter P - Pi Filter (See Table I)						
<b>Filter Class</b>	A, B, C, D, E, F, G, J (See Table I)						
<b>Hardware</b>	N - No Hardware P - Combination Jackscrew and Jackpost						

### Micro-D In-Line Filter Adapter Contact Arrangements

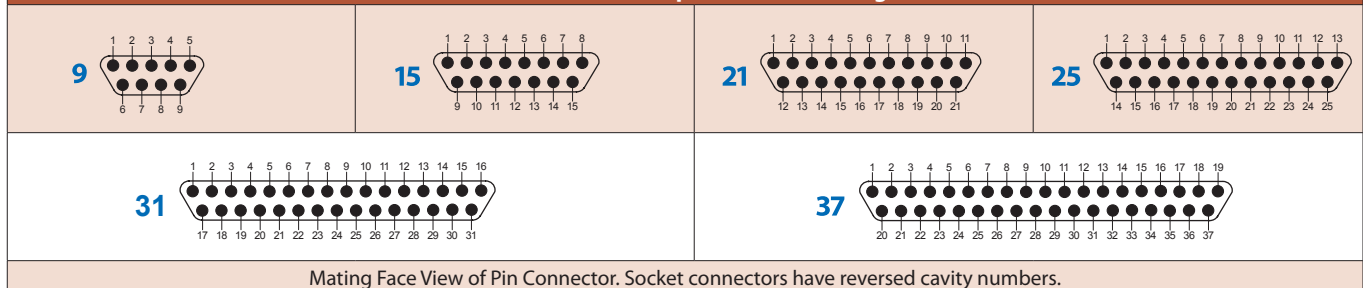


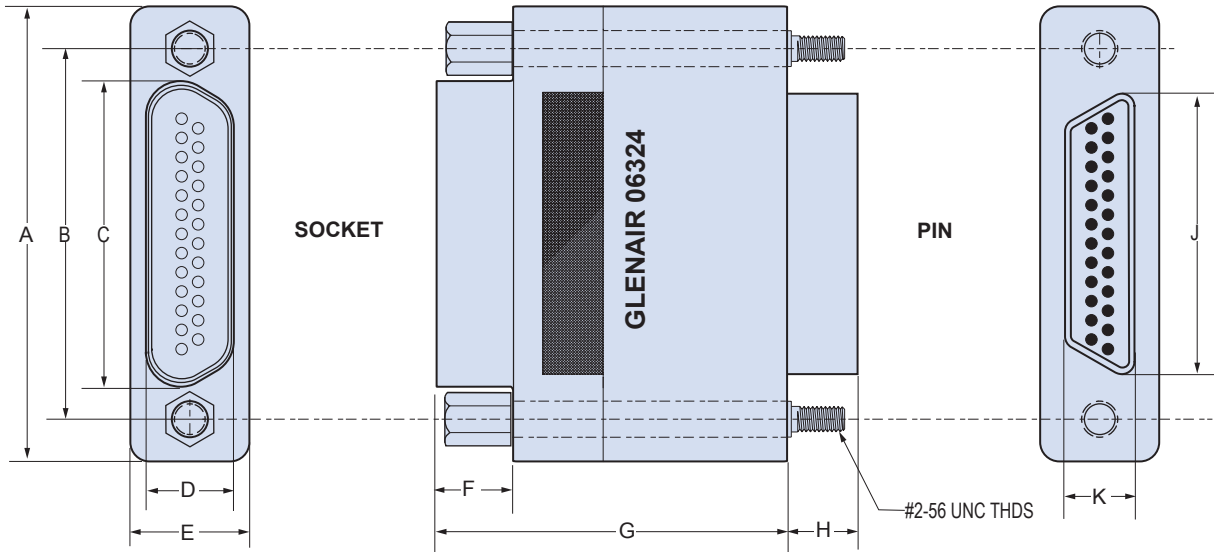
Table I: Micro-D Filter Classes and Performance

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		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.
<b>9PS</b>	.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
<b>15PS</b>	.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
<b>21PS</b>	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
<b>25PS</b>	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
<b>31PS</b>	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
<b>37PS</b>	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

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