



## 240-034 PCB Micro-D Filter Connectors Right Angle



**Right Angle Board Mount Filtered Micro-D's.** These connectors feature low-pass EMI filtering in a right angle header for PCB termination.

**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.

**.100" x .100" Board Spacing** - These connectors are similar to "CBR" style Micro-D's and share the same board footprint, allowing retrofit to existing boards.

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How To Order Micro-D Filtered Right Angle PCB Connectors													
<b>Sample Part Number</b>	<b>240-034</b> -2 -37 S P E PU -.080												
<b>Series</b>	<b>240-034</b>												
<b>Shell Finish</b>	<table border="0"> <tr> <td><b>Aluminum Shell</b></td> <td><b>Stainless Steel Shell</b></td> </tr> <tr> <td>1 - Cadmium</td> <td>2 - Nickel</td> </tr> <tr> <td>4 - Black Anodize</td> <td>5 - Gold</td> </tr> <tr> <td>6 - Chem Film</td> <td></td> </tr> <tr> <td></td> <td>3 - Passivated</td> </tr> </table>	<b>Aluminum Shell</b>	<b>Stainless Steel Shell</b>	1 - Cadmium	2 - Nickel	4 - Black Anodize	5 - Gold	6 - Chem Film			3 - Passivated		
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<b>Contact Layout</b>	9, 15, 21, 25, 31, 37 (See Table II)												
<b>Contact Type</b>	P - Pin S - 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>	<table border="0"> <tr> <td><b>PCB Hardware Options</b></td> <td><b>Rear Panel Jackposts with Threaded Inserts</b></td> </tr> <tr> <td>NN - No Jackpost, No Threaded Insert</td> <td>R6U - 0.125" (3.2) Panel</td> </tr> <tr> <td>PN - Jackpost, No Threaded Insert</td> <td>R5U - 0.094" (2.4) Panel</td> </tr> <tr> <td>NU - Threaded Insert Only, No Jackposts</td> <td>R4U - 0.062" (1.6) Panel</td> </tr> <tr> <td>PU - Jackpost and Threaded Insert</td> <td>R3U - 0.047" (1.2) Panel</td> </tr> <tr> <td></td> <td>R2U - 0.031" (0.8) Panel</td> </tr> </table>	<b>PCB Hardware Options</b>	<b>Rear Panel Jackposts with Threaded Inserts</b>	NN - No Jackpost, No Threaded Insert	R6U - 0.125" (3.2) Panel	PN - Jackpost, No Threaded Insert	R5U - 0.094" (2.4) Panel	NU - Threaded Insert Only, No Jackposts	R4U - 0.062" (1.6) Panel	PU - Jackpost and Threaded Insert	R3U - 0.047" (1.2) Panel		R2U - 0.031" (0.8) Panel
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<b>PC Tail Length</b>	.080 .110 .125 .150 .190 .250 Length in Inches ± .015(0.38)												

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

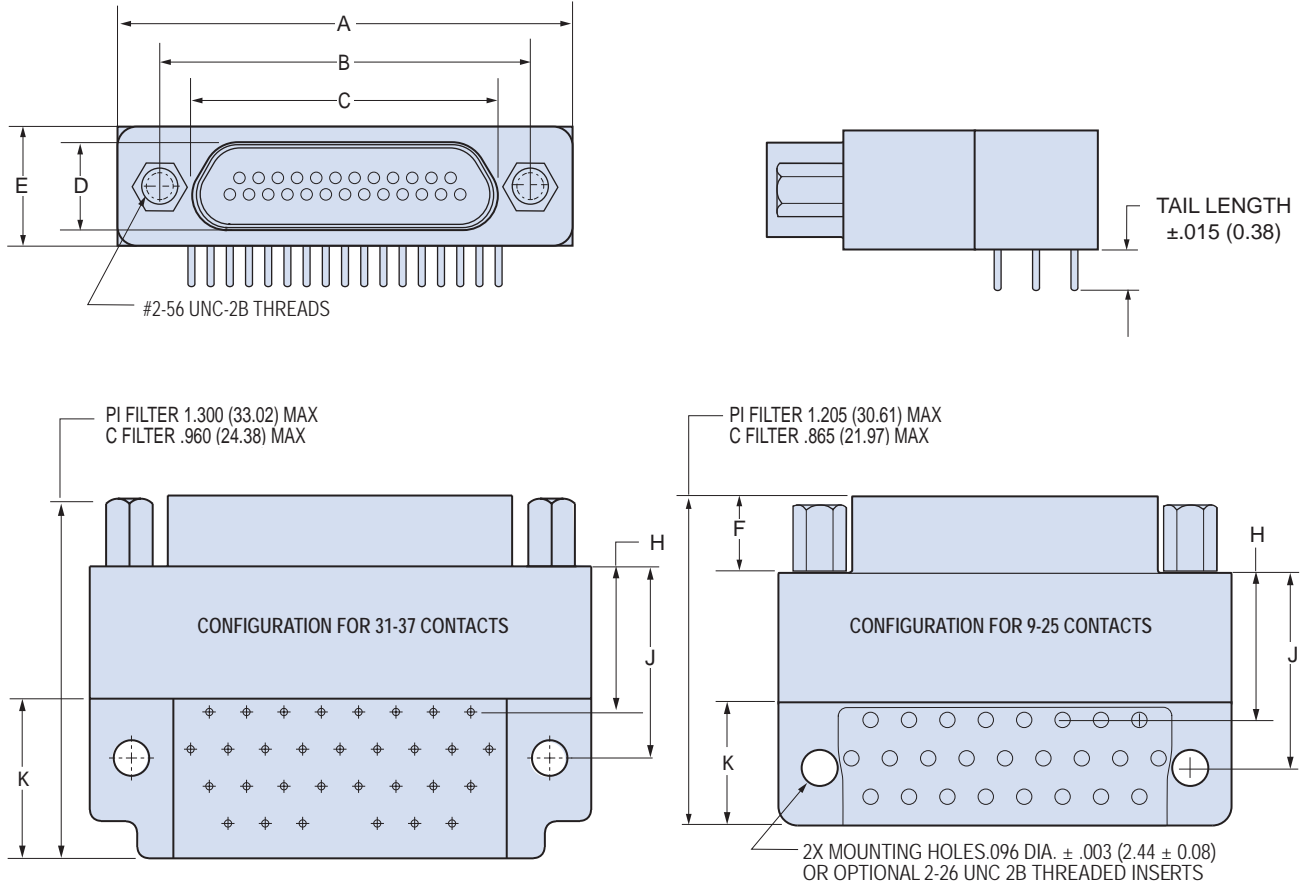
Dimensions in inches (millimeters) and are subject to change without notice.

# 240-034 PCB Micro-D Filter Connectors Right Angle



Micro-D  
MIL-DTL-83513 Type

Table II: Dimensions



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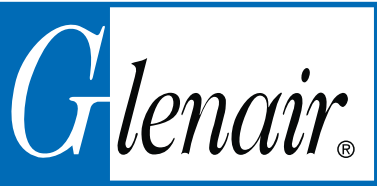
Layout	A Max.		B		C Max.		D Max.		E Max.		F		K Max.		C Filter				Pi Filter			
	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.
			$\pm 0.003$	$\pm 0.08$							$\pm 0.004$	$\pm 0.10$			$\pm 0.010$	$\pm 0.25$	$\pm 0.010$	$\pm 0.25$	$\pm 0.010$	$\pm 0.25$	$\pm 0.010$	$\pm 0.25$
9P	.785	19.94	.565	14.35	.333	8.46	.184	4.67	.310	7.87	.183	4.65	.335	8.51	.440	11.18	.460	11.68	.740	18.80	.760	19.30
9S	.785	19.94	.565	14.35	.400	10.16	.250	6.35	.310	7.87	.195	4.95	.335	8.51	.440	11.18	.460	11.68	.740	18.80	.760	19.30
15P	.935	23.75	.715	18.16	.483	12.27	.184	4.67	.310	7.87	.183	4.65	.335	8.51	.340	8.64	.460	11.68	.640	16.26	.760	19.30
15S	.935	23.75	.715	18.16	.551	14.00	.250	6.35	.310	7.87	.195	4.95	.335	8.51	.340	8.64	.460	11.68	.640	16.26	.760	19.30
21P	1.085	27.56	.865	21.97	.633	16.08	.184	4.67	.310	7.87	.183	4.65	.335	8.51	.340	8.64	.460	11.68	.640	16.26	.760	19.30
21S	1.085	27.56	.865	21.97	.701	17.81	.250	6.35	.310	7.87	.195	4.95	.335	8.51	.340	8.64	.460	11.68	.640	16.26	.760	19.30
25P	1.185	30.10	.965	24.51	.733	18.62	.184	4.67	.310	7.87	.183	4.65	.335	8.51	.340	8.64	.460	11.68	.640	16.26	.760	19.30
25S	1.185	30.10	.965	24.51	.801	20.35	.250	6.35	.310	7.87	.195	4.95	.335	8.51	.340	8.64	.460	11.68	.640	16.26	.760	19.30
31P	1.335	33.91	1.115	28.32	.883	22.43	.184	4.67	.310	7.87	.183	4.65	.430	10.92	.340	8.64	.460	11.68	.640	16.26	.760	19.30
31S	1.335	33.91	1.115	28.32	.951	24.16	.250	6.35	.310	7.87	.195	4.95	.430	10.92	.340	8.64	.460	11.68	.640	16.26	.760	19.30
37P	1.485	37.72	1.265	32.13	1.033	26.24	.184	4.67	.310	7.87	.183	4.65	.430	10.92	.340	8.64	.460	11.68	.640	16.26	.760	19.30
37S	1.485	37.72	1.265	32.13	1.101	27.96	.250	6.35	.310	7.87	.195	4.95	.430	10.92	.340	8.64	.460	11.68	.640	16.26	.760	19.30

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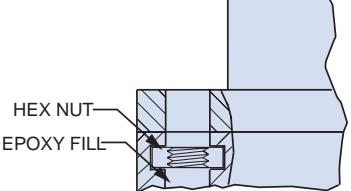
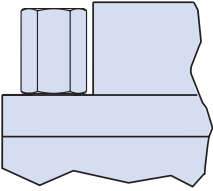
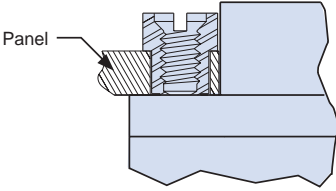
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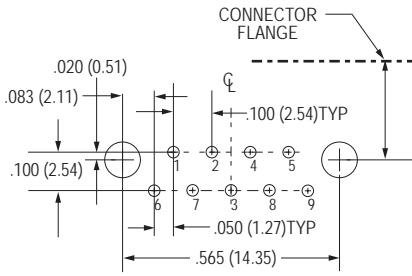


# 240-034 PCB Micro-D Filter Connectors Right Angle

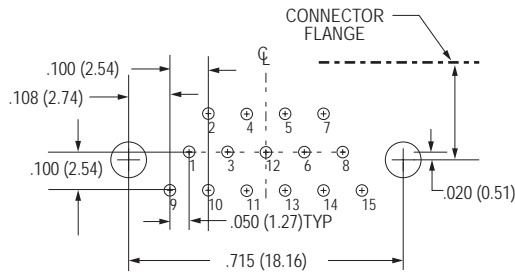
Micro-D Jackpost options		
NN/NU	PN/PU	R2U Thru R6U
 <p style="font-size: small;">HEX NUT EPOXY FILL</p>		 <p style="font-size: small;">Panel</p>
<b>Thru-Hole:</b> For use with Glenair jackposts only. Order hardware separately. Install w/ threadlocking compound.	<b>Standard Jackpost:</b> Factory installed, not intended for removal.	<b>Jackpost for Rear Panel Mounting:</b> Shipped loosely installed. Install w/ permanent threadlocking compound.

## Micro-D Filter Right Angle PCB Layouts — Pin Connector

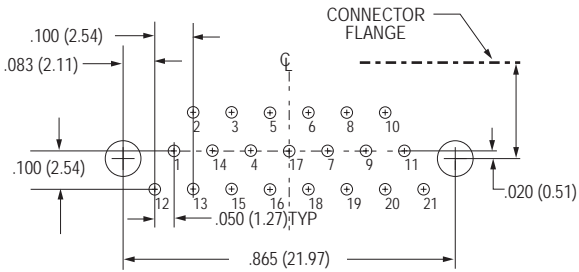
PC Tail Diameter  $.018 \pm .002$  (0.46 ± 0.05)  
 Contact numbers shown are for pin connectors.  
 Patterns shown are for connector mounting side of PC board.



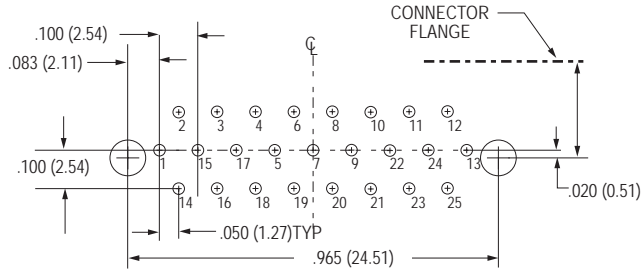
9 CONTACTS



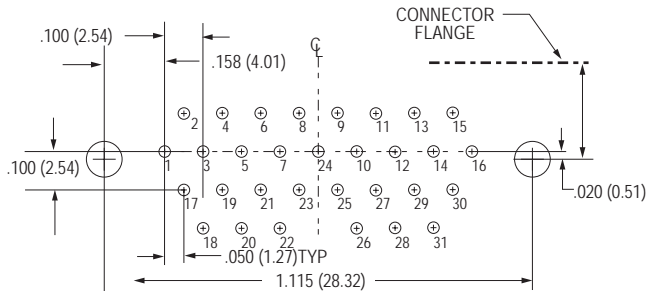
15 CONTACTS



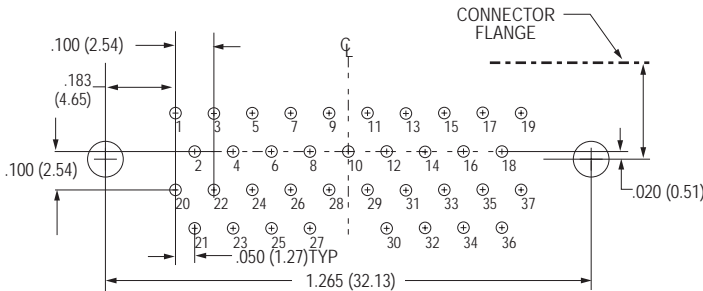
21 CONTACTS



25 CONTACTS



31 CONTACTS



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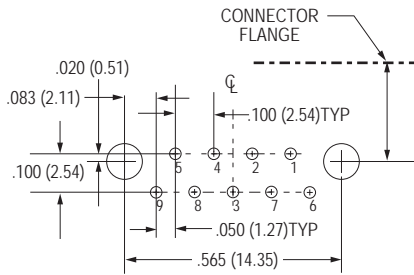
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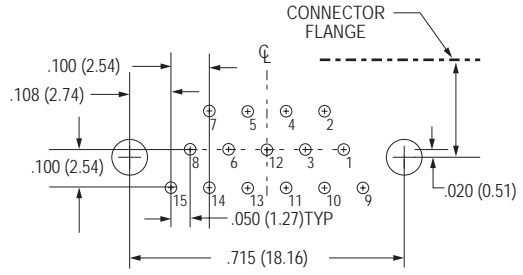
Micro-D  
MIL-DTL-83513 Type

## Micro-D Filter Right Angle PCB Layouts — Socket Connector

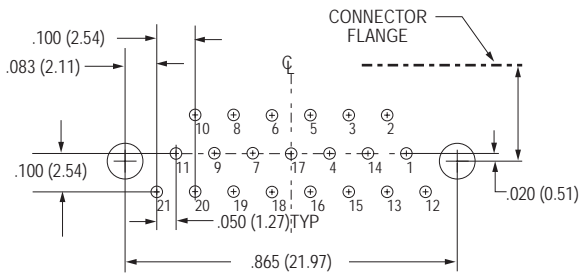
PC Tail Diameter  $.018 \pm .002$  ( $0.46 \pm 0.05$ )  
 Contact numbers shown are for socket connectors.  
 Patterns shown are for connector mounting side of PC board.



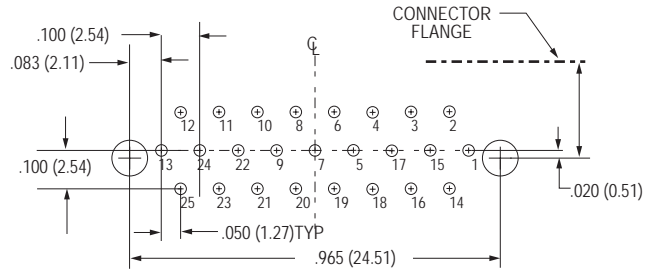
**9 CONTACTS**



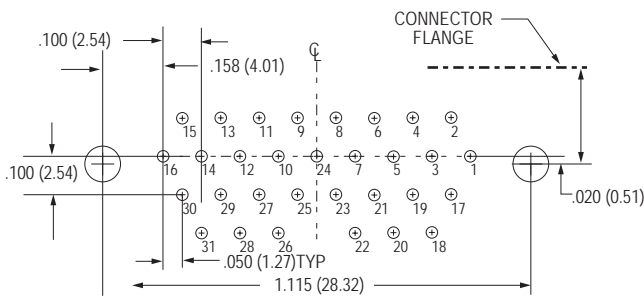
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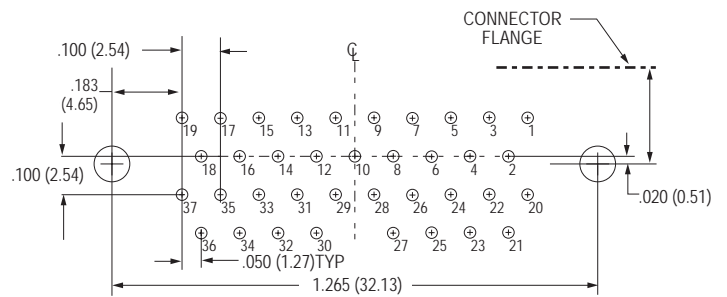
**21 CONTACTS**



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