

Series 171 MicroStrips™
Single Row Thru-Hole Board Mount Strips
 171-004, 171-005, 171-006, and 171-007



Single Row Board Mount MicroStrips™

These .050" pitch single row PCB thru-hole microstrips are available in four types- vertical mount, right angle single row and two right angle staggered versions. Available with 1 to 30 contacts. PC tails are .020" diameter. Optional latching mechanism prevents de-mating. Guide pins provide circuit polarization. Contacts are twistpin type and are gold-plated. Housing is molded LCP thermoplastic. Suitable for high-reliability applications where long-term resistance to fretting corrosion is a necessity. 3 A., 600 Vac, -55C to +150C.

How To Order Single Row Thru-Hole PCB MicroStrips™

Sample Part Number	171-006	-7	P	-.125	-P1	CL	MH
Series	<p>171-004 Right Angle, Single Row PC Tails</p>  <p>171-005 Right Angle, Two Row PC Tails with .050" Between Rows</p>  <p>171-006 Right Angle, Two Row PC Tails with .100" Between Rows</p>  <p>171-007 Vertical Mount</p> 						
Number of Cavities	<p>1 to 30 Total number of cavities includes guide pins, latches and mounting holes. The number of cavities equals the number of electrical circuits plus 1 cavity for each guide pin and latch, plus 6 cavities for the mounting hole option.</p>						
Contact Type	<p>P Pin Contacts</p> 	<p>S Socket Contacts</p> 					
PC Tail Length (In.)	<p>.080, .110, .125, .150, .172, .190, .250 Tail Length In Inches ±.015</p>						
Optional Guide Pin	<p>Omit For No Guide Pin</p>	<p>P1 Guide Pin in Cavity #1</p> 	<p>PB Guide Pin at Both Ends</p> 	<p>P(x) Replace (X) with guide pin location.</p>  <p>P3 shown above:</p>			
Optional Latch	<p>Omit For No Latch</p>	<p>CL Center Latch</p> 	<p>BL Latch at Both Ends</p> 				
Optional Mounting Holes	<p>Omit For No Mounting Holes</p>	<p>MH Mounting Holes</p> 	<p>The three cavities on each end are filled with epoxy. Two .062" (1.57mm) holes are cross-drilled to allow for attachment to a mounting surface</p>				

NOTE: when ordering "BLMH" Strip Connector allow for only 3 cavities on each end (6 total)



MWS MicroStrips™

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Dimensions

PIN CONNECTOR



SOCKET CONNECTOR



# of Cavities	(A)		B Max.		C		# of Cavities	(A)		B Max.		C	
	In.	mm.	In.	mm.	In.	mm.		In.	mm.	In.	mm.	In.	mm.
1	-	-	.085	2.16	N/A	N/A	16	.750	19.05	.835	21.21	.650	16.51
2	.050	1.27	.135	3.43	N/A	N/A	17	.800	20.32	.885	22.48	.700	17.78
3	.100	2.54	.185	4.70	N/A	N/A	18	.850	21.59	.935	23.75	.750	19.05
4	.150	3.81	.235	5.97	N/A	N/A	19	.900	22.86	.985	25.02	.800	20.32
5	.200	5.08	.285	7.24	N/A	N/A	20	.950	24.13	1.035	26.29	.850	21.59
6	.250	6.35	.335	8.51	N/A	N/A	21	1.000	25.40	1.085	27.56	.900	22.86
7	.300	7.62	.385	9.78	.200	5.08	22	1.050	26.67	1.135	28.83	.950	24.13
8	.350	8.89	.435	11.05	.250	6.35	23	1.100	27.94	1.185	30.10	1.000	25.4
9	.400	10.16	.485	12.32	.300	7.62	24	1.150	29.21	1.235	31.37	1.050	26.67
10	.450	11.43	.535	13.59	.350	8.89	25	1.200	30.48	1.285	32.64	1.100	27.94
11	.500	12.70	.585	14.86	.400	10.16	26	1.250	31.75	1.335	33.91	1.150	29.21
12	.550	13.97	.635	16.13	.450	11.43	27	1.300	33.02	1.385	35.18	1.200	30.48
13	.600	15.24	.685	17.40	.500	12.7	28	1.350	34.29	1.435	36.45	1.250	31.75
14	.650	16.51	.735	18.67	.550	13.97	29	1.400	35.56	1.485	37.72	1.300	33.02
15	.700	17.78	.785	19.94	.600	15.24	30	1.450	36.83	1.535	38.99	1.350	34.29

Center Latch Locations

Even Number of Cavities



Latch placed on next lower cavity prior to centerline.
Latch position = (# of Cavities) ÷ 2.

Odd Number of Cavities



Latch placed in cavity on centerline.
Latch Position = (# of Cavities+1) ÷ 2.

Series 171 MicroStrips™
 Single Row Board Mount Strips
 PCB layouts: 171-004 and 171-005



Printed Circuit Board Layouts		
TYPE	PIN CONNECTOR	SOCKET CONNECTOR
<p>171-004</p>  <p>Right Angle Single Row .050" (1.27) Centers</p>	 <p>PC TAIL LENGTH $\phi .020$ (0.51) .100 (2.54) .400 (10.16) .050 (1.27) TYP CONTACT 1</p>	 <p>$\phi .020$ (0.51) .100 (2.54) PC TAIL LENGTH .225 (5.72) CONTACT 1 .050 (1.27) TYP</p>
<p>171-005</p>  <p>Right Angle Staggered .050" (1.27) Offset</p>	 <p>PC TAIL LENGTH $\phi .020$ (0.51) .050 (1.27) .100 (2.54) (.400) PLUG CONTACT 1 .100 (2.54) TYP .050 (1.27) TYP</p>	 <p>$\phi .020$ (0.51) .050 (1.27) PC TAIL LENGTH .100 (2.54) .225 (5.72) CONTACT 1 .100 (2.54) TYP .050 (1.27) TYP</p>





Series 171 MicroStrips™
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PCB Layouts: 171-006 and 171-007

Printed Circuit Board Layouts		
TYPE	PIN CONNECTOR	SOCKET CONNECTOR
<p>171-006</p>  <p>Right Angle Staggered .100" (2.54) Offset</p>	 <p>PC TAIL LENGTH</p> <p>$\phi .020$ (0.51)</p> <p>.100 (2.54)</p> <p>.100 (2.54)</p> <p>.400 (10.16)</p> <p>.100 (2.54) TYP</p> <p>.050 (1.27) TYP</p> <p>CONTACT 1</p>	 <p>$\phi .020$ (0.51)</p> <p>.100 (2.54)</p> <p>.100 (2.54)</p> <p>.100 (2.54)</p> <p>PC TAIL LENGTH</p> <p>.225 (5.72)</p> <p>.100 (2.54) TYP</p> <p>.050 (1.27) TYP</p> <p>CONTACT 1</p>
<p>171-007</p>  <p>Vertical Mount .100" (2.54) Spacing</p>	 <p>PC TAIL LENGTH</p> <p>.100 (2.54)</p> <p>.120 (3.05)</p> <p>$\phi .020$ (0.51)</p> <p>CONTACT 1</p> <p>.100 (2.54)</p> <p>.100 (2.54)</p> <p>.050 (1.27)</p>	 <p>PC TAIL LENGTH</p> <p>.100 (2.54)</p> <p>$\phi .020$ (0.51)</p> <p>.120 (3.05)</p> <p>CONTACT 1</p> <p>.100 (2.54)</p> <p>.100 (2.54)</p> <p>.050 (1.27)</p>



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