Series 171 MicroStrips™
Single Row Strips with Solder Cups
171-001

Single Row Solder Cup MicroStrips™

These .050" pitch single row solder cup microstrips accept #26 to #30 gage wire with standard contacts and up to size #24 wire with "large bore" contacts. Contacts are factory-installed and potted. Available with 1 to 30 contacts. Optional stainless steel 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 Solder Cup Microstrips

Sample Part Number	171-001	-7	PS	-P1	CL	MH

Series

171-001 - Single Row MicroStrip, .050" Contact Spacing, Solder Cup Contacts

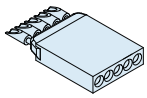
Number of Cavities

1 to **30** (See Table I)

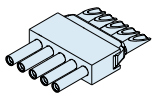
Total number of cavities includes guide pins,latches and mounting holes.
The number of cavities equals the number of electrical circuits plus 1 cavity for each guide pin and latch, plus 6 cavities for the mounting hole option.

Contact Gender and Solder Cup Size

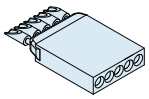
PS
Pin Contacts, Size #26 Solder Cup



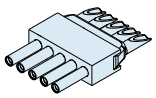
SS
Socket Contacts, Size #26 Solder Cup



NS
Pin Contacts, Size #24 Solder Cup



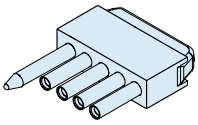
TS
Socket Contacts, Size #24 Solder Cup



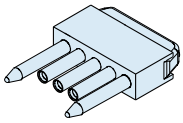
Optional Guide Pin

Omit
For No Guide Pin

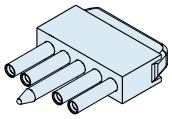
P1
Guide Pin in Cav. #1



PB
Guide Pin at Both Ends



P(x)
Replace (X) with guide pin location.

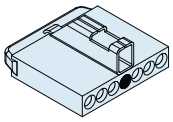


P3 shown above:

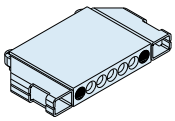
Optional Latch

Omit
For No Latch

CL
Center Latch



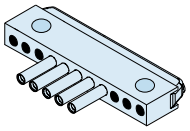
BL
Latch at Both Ends



Optional Mounting Holes

Omit
For No Mounting Holes

MH
Mounting Holes



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.

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

GLENAIR, INC. • 1211 AIR WAY • GLENDALE, CA 91201-2497 • 818-247-6000 • FAX 818-500-9912
www.glenair.com E-Mail: sales@glenair.com

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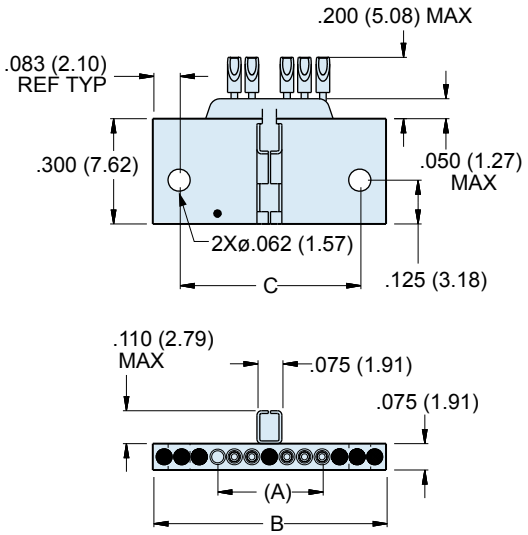
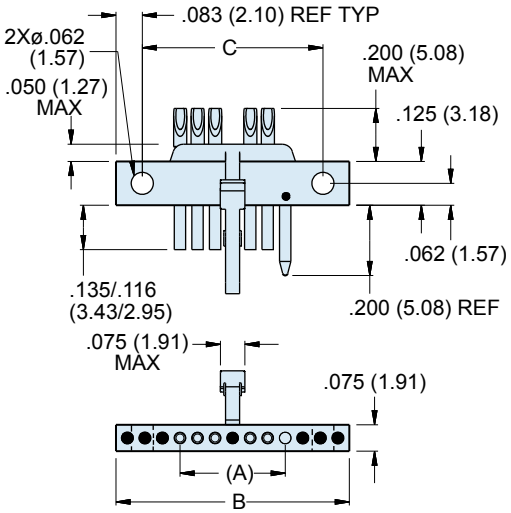
Table I: Dimensions

PIN CONNECTOR



SOCKET CONNECTOR

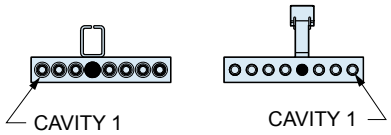


# of Cavities	(A)		B Max.		C		# of Cavities	(A)		B Max.		C	
	In.	mm.	In.	mm.	In.	mm.		In.	mm.	In.	mm.	In.	mm.
1	-	-	.085	2.16	N/A	N/A	16	.750	19.05	.835	21.21	.650	16.51
2	.050	1.27	.135	3.43	N/A	N/A	17	.800	20.32	.885	22.48	.700	17.78
3	.100	2.54	.185	4.70	N/A	N/A	18	.850	21.59	.935	23.75	.750	19.05
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

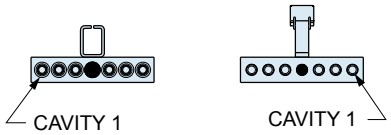
PIN CONNECTOR SOCKET CONNECTOR



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

Odd Number of Cavities

PIN CONNECTOR SOCKET CONNECTOR



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

