

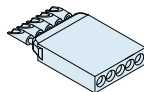
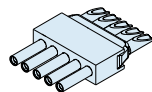
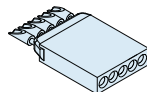
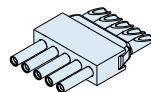
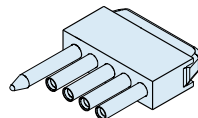
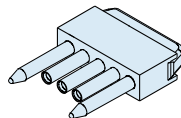
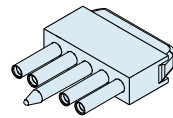
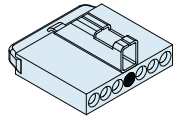
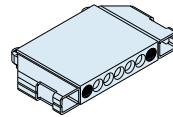
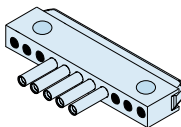


## Series 171 MicroStrips™ Single Row Strips with Solder Cups 171-001



### 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)<br>Total number of cavities includes guide pins,latches and mounting holes.<br><i>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.</i> |                                                                                                                                          |                                                                                                                                                 |                                                                                                                                                                 |     |    |    |
| Contact Gender and Solder Cup Size  | <b>PS</b><br>Pin Contacts, Size #26 Solder Cup<br>                                                                                                                                 | <b>SS</b><br>Socket Contacts, Size #26 Solder Cup<br> | <b>NS</b><br>Pin Contacts, Size #24 Solder Cup<br>          | <b>TS</b><br>Socket Contacts, Size #24 Solder Cup<br>                      |     |    |    |
| Optional Guide Pin                  | <b>Omit</b><br>For No Guide Pin                                                                                                                                                                                                                                       | <b>P1</b><br>Guide Pin in Cav. #1<br>                 | <b>PB</b><br>Guide Pin at Both Ends<br>                     | <b>P(x)</b><br>Replace (X) with guide pin location.<br><br>P3 shown above: |     |    |    |
| Optional Latch                      | <b>Omit</b><br>For No Latch                                                                                                                                                                                                                                           | <b>CL</b><br>Center Latch<br>                         | <b>BL</b><br>Latch at Both Ends<br>                        |                                                                                                                                                                 |     |    |    |
| Optional Mounting Holes             | <b>Omit</b><br>For No Mounting Holes                                                                                                                                                                                                                                  | <b>MH</b><br>Mounting Holes<br>                      | 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. |                                                                                                                                                                 |     |    |    |

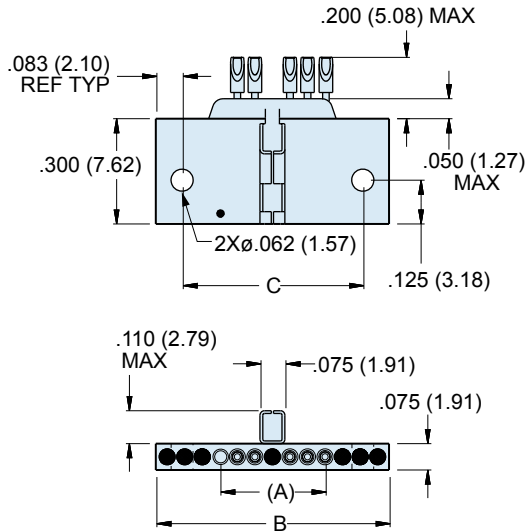
NOTE: when ordering "BLMH" Strip Connector allow for only 3 cavities on each end (6 total)

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

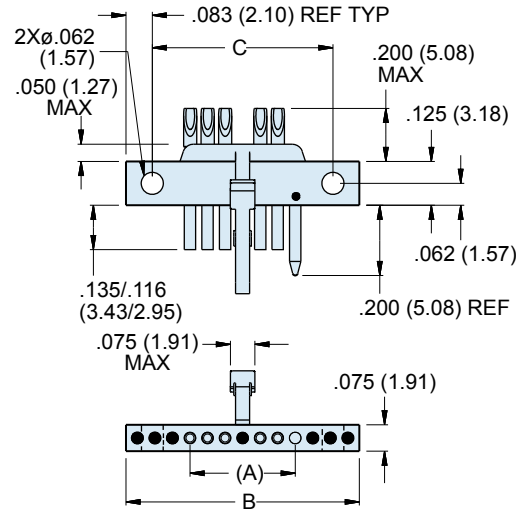


Table I: Dimensions

## PIN CONNECTOR



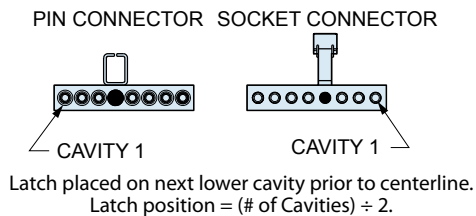
## SOCKET CONNECTOR



| # 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



### Odd Number of Cavities

