

## FEATURES AND SPECIFICATIONS

### Features and Benefits

- Sizes 6 to 30 circuits
- For 0.30mm thick FFC/FPC
- Metal solder tabs provide PCB hold-down and strain relief for SMT tails

### Reference Information

Packaging: Embossed tape  
 UL File No.: E29179  
 CSA File No.: LR19980  
 Designed In: Millimeters

### Electrical

Voltage: 50V  
 Current: 0.5A  
 Contact Resistance: 20mΩ max.  
 Dielectric Withstanding Voltage: 500V AC/1 min.  
 Insulation Resistance: 100 MΩ min.

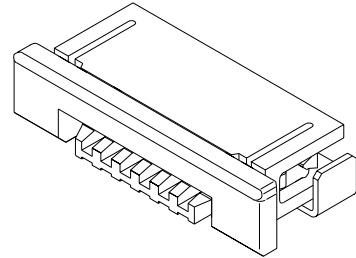
### Physical

Housing: 4/6 nylon, UL 94V-0  
 Actuator: PPS, UL 94V-0  
 Contact: Phosphor Bronze  
 Plating: Tin/Lead  
 Solder Tabs: Copper Alloy, Tin/Lead plating  
 Operating Temperature: -20 to +85°C

# molex® 1.00mm (.039") Pitch FFC/FPC Connector

## 52271

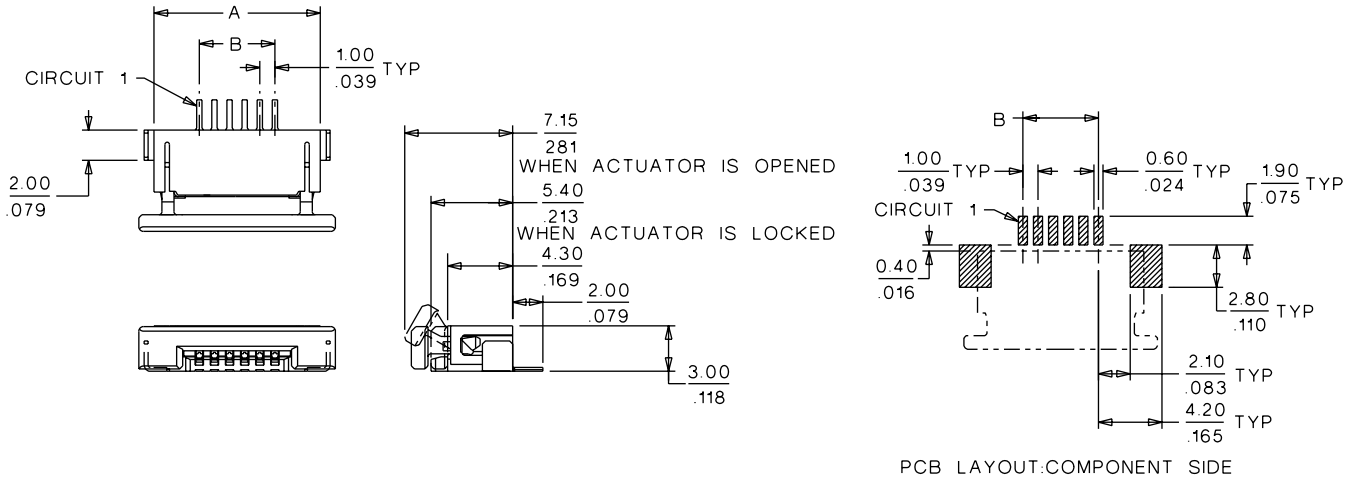
### Right Angle, SMT, ZIF Bottom Contact Style



FFC/FPC Connectors

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## CATALOG DRAWING (FOR REFERENCE ONLY)



## ORDERING INFORMATION AND DIMENSIONS

| Circuits | Order No.  | Dimension    |              | Carrier Tape Width |
|----------|------------|--------------|--------------|--------------------|
|          |            | A            | B            |                    |
| 6        | 52271-0690 | 11.00 (.433) | 5.00 (.197)  | 24.00 (.945)       |
| 7        | 52271-0790 | 12.00 (.472) | 6.00 (.236)  | 24.00 (.945)       |
| 8        | 52271-0890 | 13.00 (.511) | 7.00 (.275)  | 24.00 (.945)       |
| 9        | 52271-0990 | 14.00 (.551) | 8.00 (.314)  | 24.00 (.945)       |
| 10       | 52271-1090 | 15.00 (.590) | 9.00 (.354)  | 24.00 (.945)       |
| 11       | 52271-1190 | 16.00 (.629) | 10.00 (.393) | 24.00 (.945)       |
| 12       | 52271-1290 | 17.00 (.669) | 11.00 (.433) | 32.00 (1.260)      |
| 13       | 52271-1390 | 18.00 (.708) | 12.00 (.472) | 32.00 (1.260)      |
| 14       | 52271-1490 | 19.00 (.748) | 13.00 (.511) | 32.00 (1.260)      |
| 15       | 52271-1590 | 20.00 (.787) | 14.00 (.551) | 32.00 (1.260)      |
| 16       | 52271-1690 | 21.00 (.826) | 15.00 (.590) | 32.00 (1.260)      |
| 17       | 52271-1790 | 22.00 (.866) | 16.00 (.629) | 44.00 (1.732)      |

| Circuits | Order No.  | Dimension     |               | Carrier Tape Width |
|----------|------------|---------------|---------------|--------------------|
|          |            | A             | B             |                    |
| 18       | 52271-1890 | 23.00 (.905)  | 17.00 (.669)  | 44.00 (1.732)      |
| 19       | 52271-1990 | 24.00 (.944)  | 18.00 (.708)  | 44.00 (1.732)      |
| 20       | 52271-2090 | 25.00 (.984)  | 19.00 (.748)  | 44.00 (1.732)      |
| 22       | 52271-2290 | 27.00 (1.062) | 21.00 (.827)  | 44.00 (1.732)      |
| 23       | 52271-2390 | 28.00 (1.102) | 22.00 (.866)  | 44.00 (1.732)      |
| 24       | 52271-2490 | 29.00 (1.141) | 23.00 (.906)  | 44.00 (1.732)      |
| 25       | 52271-2590 | 30.00 (1.181) | 24.00 (.945)  | 44.00 (1.732)      |
| 26       | 52271-2690 | 31.00 (1.220) | 25.00 (.984)  | 44.00 (1.732)      |
| 27       | 52271-2790 | 32.00 (1.259) | 26.00 (1.020) | 44.00 (1.732)      |
| 28       | 52271-2890 | 33.00 (1.299) | 27.00 (1.060) | 56.00 (2.205)      |
| 30       | 52271-3090 | 35.00 (1.377) | 29.00 (1.140) | 56.00 (2.205)      |

Note: For cable specification dimensions, see cable pages at end of section