

FEATURES AND SPECIFICATIONS

Features and Benefits

- Sizes 6 to 40 circuits
- For 0.30mm thick FFC/FPC
- Metal solder tabs provide PCB hold-down and strain relief for SMT tails
- For XX90 packaging, component is centered relative to the sprocket hole; for XX92, actuator is centered relative to the sprocket hole

Reference Information

Packaging: Embossed tape
Designed In: Millimeters

Electrical

Voltage: 50V
Current: 0.5A
Contact Resistance: 20mΩ max.
Dielectric Withstanding Voltage: 250V AC/1 min.
Insulation Resistance: 50 MΩ min.

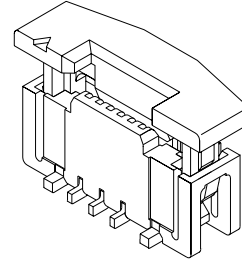
Physical

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

molex® 0.50mm (.020") Pitch FFC/FPC Connector

52559

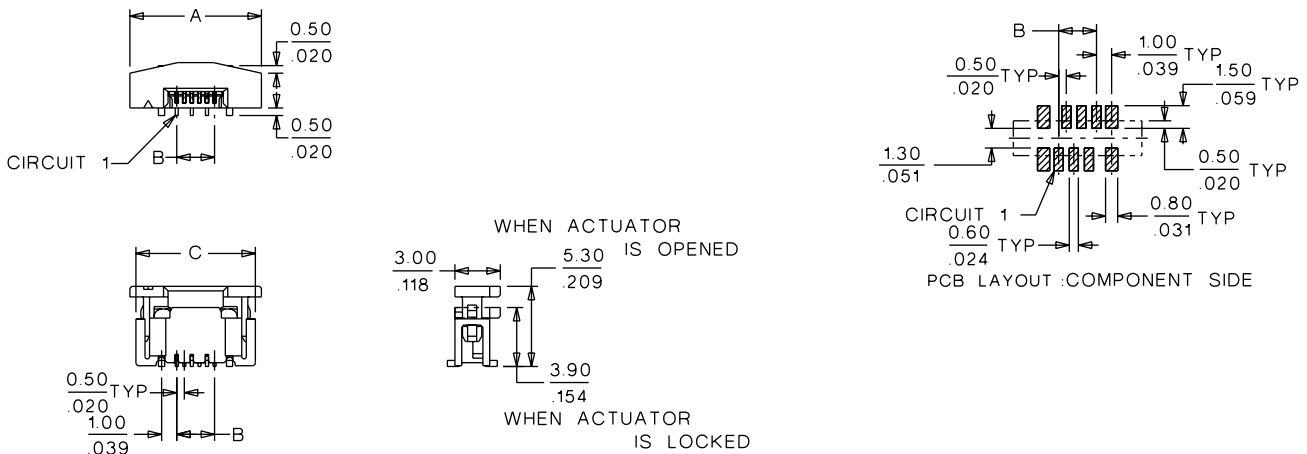
Vertical, SMT, ZIF



FFC/FPC Connectors



CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

| Circuits | Order No. | Dimension | | | Carrier Tape Width |
|----------|------------|--------------|-------------|--------------|--------------------|
| | | A | B | C | |
| 6 | 52559-0692 | 8.70 (.343) | 2.50 (.098) | 7.90 (.311) | 24.00 (.945) |
| 8 | 52559-0890 | 9.70 (.382) | 3.50 (.138) | 8.90 (.350) | 24.00 (.945) |
| 9 | 52559-0992 | 10.20 (.402) | 4.00 (.157) | 9.40 (.370) | 24.00 (.945) |
| 10 | 52559-1092 | 10.70 (.421) | 4.50 (.177) | 9.90 (.390) | 24.00 (.945) |
| 12 | 52559-1292 | 11.70 (.461) | 5.50 (.217) | 10.40 (.429) | 24.00 (.945) |
| 13 | 52559-1390 | 12.20 (.480) | 6.00 (.236) | 11.40 (.449) | 24.00 (.945) |
| 14 | 52559-1492 | 12.70 (.500) | 6.50 (.256) | 11.90 (.469) | 24.00 (.945) |
| 15 | 52559-1592 | 13.20 (.520) | 7.00 (.276) | 12.40 (.488) | 24.00 (.945) |
| 16 | 52559-1692 | 13.70 (.539) | 7.50 (.295) | 12.90 (.508) | 24.00 (.945) |
| 17 | 52559-1792 | 14.20 (.559) | 8.00 (.315) | 13.40 (.528) | 24.00 (.945) |
| 18 | 52559-1890 | 14.70 (.579) | 8.50 (.335) | 13.90 (.547) | 24.00 (.945) |
| 20 | 52559-2092 | 15.70 (.618) | 9.50 (.374) | 14.90 (.587) | 24.00 (.945) |

| Circuits | Order No. | Dimension | | | Carrier Tape Width |
|----------|------------|---------------|--------------|--------------|--------------------|
| | | A | B | C | |
| 21 | 52559-2192 | 16.20 (.638) | 10.00 (.394) | 15.40 (.606) | 24.00 (.945) |
| 22 | 52559-2290 | 16.70 (.657) | 10.50 (.413) | 15.90 (.625) | 24.00 (.945) |
| 24 | 52559-2492 | 17.70 (.697) | 11.50 (.453) | 16.90 (.665) | 32.00 (1.260) |
| 25 | 52559-2590 | 18.20 (.717) | 12.00 (.472) | 17.40 (.685) | 32.00 (1.260) |
| 26 | 52559-2692 | 18.70 (.736) | 12.50 (.492) | 17.90 (.705) | 32.00 (1.260) |
| 28 | 52559-2892 | 19.70 (.776) | 13.50 (.531) | 18.90 (.744) | 32.00 (1.260) |
| 30 | 52559-3092 | 20.70 (.815) | 14.50 (.571) | 19.90 (.783) | 32.00 (1.260) |
| 32 | 52559-3292 | 21.70 (.854) | 15.50 (.610) | 20.90 (.823) | 32.00 (1.260) |
| 33 | 52559-3390 | 22.00 (.866) | 16.00 (.630) | 21.40 (.843) | 32.00 (1.260) |
| 36 | 52559-3692 | 23.70 (.933) | 17.50 (.689) | 22.90 (.902) | 44.00 (1.732) |
| 40 | 52559-4092 | 25.70 (1.012) | 19.50 (.768) | 24.90 (.980) | 44.00 (1.732) |

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