

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

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

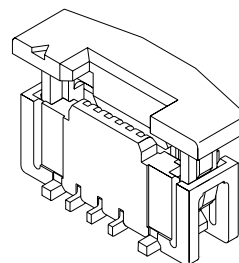
Voltage: 50V
Current: 0.5A
Contact Resistance: 20mΩ max.
Dielectric Withstanding Voltage: 250V AC/1 min.
Insulation Resistance: 50 MΩ min.

Physical

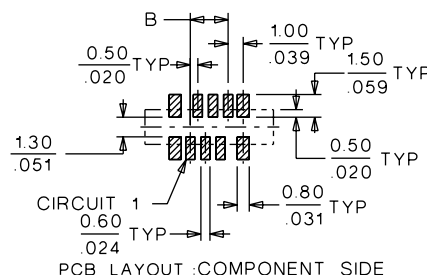
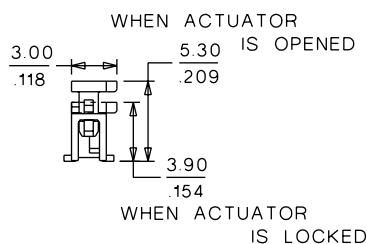
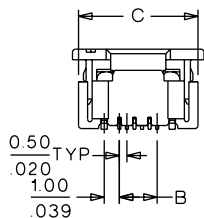
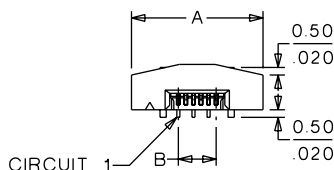
Housing: 4/6 nylon, UL 94V-0
 Actuator: PPS, UL 94V-0
 Contact: Phosphor Bronze
 Plating: Tin
 Solder Tabs: Phosphor Bronze, Tin plating
 Temperature: -20 to +85°C

52559

Vertical, SMT, ZIF



FFC/FPC Connectors

F

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)
10	52559-1092	10.70 (.421)	4.50 (.177)	9.90 (.390)	24.00 (.945)
13	52559-1390	12.20 (.480)	6.00 (.236)	11.40 (.449)	24.00 (.945)
14	52559-1490	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	52559-1690	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	52559-2090	15.70 (.618)	9.50 (.374)	14.90 (.587)	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)
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)
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