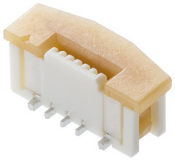
DATASHEET

Easy-On FFC/FPC Connectors, 0.50/1.00mm Pitch, Slider Series ›

Right-Angle



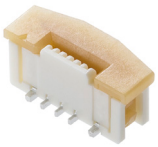
Vertical

The Easy-On FFC/FPC Connectors, 0.50/1.00mm Pitch, Slider Series, with their market proven 'Slider' locking mechanism and wide circuit options in top, bottom and vertical contact variations, offer design flexibility for FFC/FPC cable routing applications.

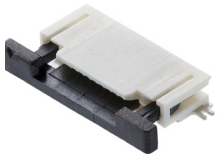
FEATURES AND ADVANTAGES

4 to 50 circuit sizes in top, bottom and vertical contact points
Offers design flexibility

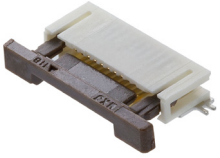
Actuator status
Closed



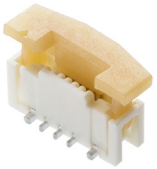
Actuator status
Open



Top Contact



Bottom Contact



Vertical Contact

Gold- and Tin- plated contact points
Prevent solder wicking during the SMT process

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APPLICATIONS

Industry
IoT interconnection devices
Smart speakers
UAVs (Drones)
FA robots
Security cameras

Mobile
POS terminals

Consumers
Home appliances

Medical
Patient monitoring
MRI/CT machines
Disposable inspection devices

POS terminal

Medical

IoT device

SPECIFICATIONS

Reference information
Packaging: Embossed Tape and Reel
Use With: FFC/FPC
Designed In: Millimeters
RoHS: Yes

Electrical
Voltage (max.): 50V
Current (max.): 0.5A per circuit
Contact Resistance (max.): 20 milliohms
Dielectric Withstanding Voltage: 250V AC
Insulation Resistance (min.): 50 Megohms

Mechanical
FFC/FPC Thickness: 0.30mm
Durability (max.): 20 cycles

Physical
Housing: LCP, UL 94V-0
Actuator: PA, UL 94V-0
Contact: Copper Alloy
Plating:
- Contact Area — Gold, Tin-Bismuth or Tin-Silver-Bismuth
- Solder Tail Area — Gold, Tin-Bismuth or Tin-Silver-Bismuth
- Underplating — Nickel

Fitting Nail: Copper Alloy, Tin over Nickel plating
Operating Temperature: -40 to +85°C

Circuit sizes
4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 50

DIMENSIONS

* Refer to molex.com for detail dimension

DATASHEET

molex

Easy-On FFC/FPC Connectors, 0.50/1.00mm Pitch, Slider Series ›

ORDERING INFORMATION

Series No.	Pitch (mm)	Orientation	Contact Position	Circuits	Operating Temperature	Plating
52745-**33	0.50	Right-Angle	Top	4 to 20	-40 to +85°C	Tin-Silver-Bismuth
52745-**97	0.50	Right-Angle	Top	4 to 20	-40 to +85°C	Gold
52745-**96	0.50	Right-Angle	Top	4 to 20	-40 to +85°C	Tin-Bismuth
52746-**33	0.50	Right-Angle	Bottom	4 to 20	-40 to +85°C	Tin-Silver-Bismuth
52746-**71	0.50	Right-Angle	Bottom	4 to 20	-40 to +85°C	Gold
52746-**70	0.50	Right-Angle	Bottom	4 to 20	-40 to +85°C	Tin-Bismuth
52435-**33	0.50	Right-Angle	Top	21 to 30	-40 to +85°C	Tin-Silver-Bismuth
52435-**71	0.50	Right-Angle	Top	21 to 30	-40 to +85°C	Gold
52435-**72	0.50	Right-Angle	Top	21 to 30	-40 to +85°C	Tin-Bismuth
52437-**33	0.50	Right-Angle	Bottom	21 to 30	-40 to +85°C	Tin-Silver-Bismuth
52437-**71	0.50	Right-Angle	Bottom	21 to 30	-40 to +85°C	Gold
52437-**72	0.50	Right-Angle	Bottom	21 to 30	-40 to +85°C	Tin-Bismuth
54104-**33	0.50	Right-Angle	Top	30 to 50	-40 to +85°C	Tin-Silver-Bismuth
54104-**31	0.50	Right-Angle	Top	30 to 50	-40 to +85°C	Gold
54104-**96	0.50	Right-Angle	Top	30 to 50	-40 to +85°C	Tin-Bismuth
54132-**33	0.50	Right-Angle	Bottom	30 to 50	-40 to +85°C	Tin-Silver-Bismuth
54132-**62	0.50	Right-Angle	Bottom	30 to 50	-40 to +85°C	Gold
54132-**97	0.50	Right-Angle	Bottom	30 to 50	-40 to +85°C	Tin-Bismuth
52559-**34	0.50	Vertical	Vertical	6 to 42	-40 to +85°C	Tin-Silver-Bismuth
52559-**52	0.50	Vertical	Vertical	6 to 42	-40 to +85°C	Gold
52559-**72	0.50	Vertical	Vertical	6 to 42	-40 to +85°C	Tin-Bismuth
52207-**33	1.00	Right-Angle	Top	3 to 34	-40 to +85°C	Tin-Silver-Bismuth
52207-**60	1.00	Right-Angle	Top	3 to 34	-40 to +85°C	Gold
52207-**85	1.00	Right-Angle	Top	3 to 34	-40 to +85°C	Tin-Bismuth
52271-**79	1.00	Right-Angle	Bottom	4 to 30	-40 to +85°C	Tin-Bismuth
52271-**69	1.00	Right-Angle	Bottom	4 to 30	-40 to +85°C	Gold
52610-**33	1.00	Vertical	Vertical	5 to 30	-40 to +85°C	Tin-Silver-Bismuth
52610-**72	1.00	Vertical	Vertical	5 to 30	-40 to +85°C	Gold
52610-**71	1.00	Vertical	Vertical	5 to 30	-40 to +85°C	Tin-Bismuth

Replace ** with circuit size

www.molex.com/ link/easyon.html

Order No. 987651-8732 Rev. 1 USA/0k/GF/2022.11