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

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

Actuator status:
- Closed
- Open

Top Contact
Bottom Contact
Vertical Contact

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

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

PHYSICAL
Housing: LCP, UL 94V-0
Actuator: PA, UL 94V-0
Contact: Copper Alloy
Plating:
  - Contact Area — Gold
  - Solder Tail Area — Gold
  - Underplating — Nickel
Fitting Nail: Copper Alloy, Tin over Nickel plating
Operating Temperature: -40 to +85°C

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

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

Ordering Information

<table>
<thead>
<tr>
<th>Series No.</th>
<th>Pitch (mm)</th>
<th>Orientation</th>
<th>Contact Position</th>
<th>Circuits</th>
<th>Operating Temperature</th>
<th>Plating</th>
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</thead>
<tbody>
<tr>
<td>52745-**33</td>
<td>0.50</td>
<td>Right-Angle</td>
<td>Top</td>
<td>4 to 20</td>
<td>-40 to +85°C</td>
<td>New Tin</td>
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<td>21 to 30</td>
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<td>21 to 30</td>
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<td>Gold</td>
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<tr>
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Replace ** with circuit size

www.molex.com/link/easyon.html

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