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

Market proven “Slider” locking mechanism, wide circuit size selection and top, bottom or vertical contact variation can help for FFC/FPC cable routing from this product list

General market and any industry request for quick sample availability and wide variety of selection. Almost of all applications move for smaller and slimmer device, Slider series helps with right angle for height 2.00mm with wide variety selection. Molex super low profile and proven history with slider locking mechanism is accommodated for any contact direction, top, bottom, vertical which helps for any requirement and also flexibility with plating selection from gold or tin. Molex Micro Solution design provide any solution to solve any market requirement.

Features and Advantages

- Circuit size is available
  Selection from 4 to 30 circuits with any option design

- FFC/FPC contact point is
  Top Contact, Bottom Contact or Vertical type
  Can choose any FFC/FPC wiring direction in the application

- Signal contact point is plated
  Gold or Tin over Nickel
  Selective plating prevents solder wicking during SMT process

- Top contact
  52745/52435/54104 for 0.50mm pitch
  52207 for 1.00mm pitch

- Bottom contact
  52746/52437/54132 for 0.50mm pitch
  52271 for 1.00mm pitch

- Vertical contact
  52559 for 0.50mm pitch
  52610 for 1.00mm pitch

Applications

Industry
- IoT interconnection device
- Smart Speaker
- UAV (Drone)
- FA robot
- Security Camera

Mobile
- POS terminal

Consumers
- Home Appliance

Medical
- Patient Monitoring
- MRI / CT
- Disposable inspection device

Molex
Specifications

**REFERENCE INFORMATION**
- Packaging: Embossed Tape on Reel
- Mates Witch: FFC/FPC
- Designed In: Millimeters
- RoHS: Yes

**ELECTRICAL**
- Voltage (max.): 50V
- Current (max.): 0.5A
- Contact Resistance (max.): 20 Milliohms
- Dielectric Withstanding Voltage: 250V AC (rms)
- Insulation Resistance: 50 Megaohms min.

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

**PHYSICAL**
- Housing: LCP, UL94V-0
- Actuator: PA, UL94V-0
- Contact: Copper Alloy
- Plating: Contact Area to Gold or Tin over Nickel
- Fitting Nail: Copper Alloy, Tin over Nickel plating
- Operating Temperature: -40 to +85°C

**CIRCUIT SIZE**
- 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**

Replace with ** for Circuit size.

<table>
<thead>
<tr>
<th>Series No.</th>
<th>Pitch</th>
<th>Contact Position</th>
<th>Orientation</th>
<th>Circuits</th>
<th>Operating Temperature</th>
<th>Plating</th>
</tr>
</thead>
<tbody>
<tr>
<td>52745-**33</td>
<td>0.50mm</td>
<td>Top</td>
<td>Right Angle</td>
<td>4 to 20</td>
<td>-40 to +85°C</td>
<td>New Tin</td>
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<td>52745-**97</td>
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<td>Top</td>
<td>Right Angle</td>
<td>4 to 20</td>
<td>-40 to +85°C</td>
<td>Gold</td>
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<tr>
<td>52746-**33</td>
<td>0.50mm</td>
<td>Bottom</td>
<td>Right Angle</td>
<td>4 to 20</td>
<td>-40 to +85°C</td>
<td>New Tin</td>
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<td>52746-**71</td>
<td>0.50mm</td>
<td>Bottom</td>
<td>Right Angle</td>
<td>4 to 20</td>
<td>-40 to +85°C</td>
<td>Gold</td>
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<td>52435-**33</td>
<td>0.50mm</td>
<td>Top</td>
<td>Right Angle</td>
<td>21 to 30</td>
<td>-40 to +85°C</td>
<td>New Tin</td>
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<tr>
<td>52435-**71</td>
<td>0.50mm</td>
<td>Top</td>
<td>Right Angle</td>
<td>21 to 30</td>
<td>-40 to +85°C</td>
<td>Gold</td>
</tr>
<tr>
<td>52437-**33</td>
<td>0.50mm</td>
<td>Bottom</td>
<td>Right Angle</td>
<td>21 to 30</td>
<td>-40 to +85°C</td>
<td>New Tin</td>
</tr>
<tr>
<td>52437-**71</td>
<td>0.50mm</td>
<td>Bottom</td>
<td>Right Angle</td>
<td>21 to 30</td>
<td>-40 to +85°C</td>
<td>Gold</td>
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<td>54104-**33</td>
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<td>Right Angle</td>
<td>30 to 50</td>
<td>-40 to +85°C</td>
<td>New Tin</td>
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<td>Top</td>
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<td>30 to 50</td>
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<td>Gold</td>
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<td>54132-**33</td>
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<td>30 to 50</td>
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<td>New Tin</td>
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<td>54132-**62</td>
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<td>Right Angle</td>
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<td>-40 to +85°C</td>
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<td>52559-**34</td>
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<td>-40 to +85°C</td>
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<tr>
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<td>52207-**33</td>
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<td>Gold</td>
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<tr>
<td>52610-**33</td>
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<td>-40 to +85°C</td>
<td>New Tin</td>
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<tr>
<td>52610-**72</td>
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<td>Vertical</td>
<td>Vertical</td>
<td>5 to 30</td>
<td>-40 to +85°C</td>
<td>Gold</td>
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www.molex.com/link/easyon.html