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

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 or New Tin
  - Solder Tail Area — Gold or New Tin
  - Underplating — Nickel
- Fitting Nail: Copper Alloy, Tin over Nickel plating
- Operating Temperature: -40 to +85°C

### 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>
</tr>
</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>
</tr>
<tr>
<td>52745-**97</td>
<td>0.50</td>
<td>Right-Angle</td>
<td>Top</td>
<td>4 to 20</td>
<td>-40 to +85°C</td>
<td>Gold</td>
</tr>
<tr>
<td>52746-**33</td>
<td>0.50</td>
<td>Right-Angle</td>
<td>Bottom</td>
<td>4 to 20</td>
<td>-40 to +85°C</td>
<td>New Tin</td>
</tr>
<tr>
<td>52746-**71</td>
<td>0.50</td>
<td>Right-Angle</td>
<td>Bottom</td>
<td>4 to 20</td>
<td>-40 to +85°C</td>
<td>Gold</td>
</tr>
<tr>
<td>52435-**33</td>
<td>0.50</td>
<td>Right-Angle</td>
<td>Top</td>
<td>21 to 30</td>
<td>-40 to +85°C</td>
<td>New Tin</td>
</tr>
<tr>
<td>52435-**71</td>
<td>0.50</td>
<td>Right-Angle</td>
<td>Top</td>
<td>21 to 30</td>
<td>-40 to +85°C</td>
<td>Gold</td>
</tr>
<tr>
<td>52437-**33</td>
<td>0.50</td>
<td>Right-Angle</td>
<td>Bottom</td>
<td>21 to 30</td>
<td>-40 to +85°C</td>
<td>New Tin</td>
</tr>
<tr>
<td>52437-**71</td>
<td>0.50</td>
<td>Right-Angle</td>
<td>Bottom</td>
<td>21 to 30</td>
<td>-40 to +85°C</td>
<td>Gold</td>
</tr>
<tr>
<td>54104-**33</td>
<td>0.50</td>
<td>Right-Angle</td>
<td>Top</td>
<td>30 to 50</td>
<td>-40 to +85°C</td>
<td>New Tin</td>
</tr>
<tr>
<td>54104-**31</td>
<td>0.50</td>
<td>Right-Angle</td>
<td>Top</td>
<td>30 to 50</td>
<td>-40 to +85°C</td>
<td>Gold</td>
</tr>
<tr>
<td>54132-**33</td>
<td>0.50</td>
<td>Right-Angle</td>
<td>Bottom</td>
<td>30 to 50</td>
<td>-40 to +85°C</td>
<td>New Tin</td>
</tr>
<tr>
<td>54132-**82</td>
<td>0.50</td>
<td>Right-Angle</td>
<td>Bottom</td>
<td>30 to 50</td>
<td>-40 to +85°C</td>
<td>Gold</td>
</tr>
<tr>
<td>52659-**34</td>
<td>0.50</td>
<td>Vertical</td>
<td>Vertical</td>
<td>6 to 42</td>
<td>-40 to +85°C</td>
<td>New Tin</td>
</tr>
<tr>
<td>52659-**52</td>
<td>0.50</td>
<td>Vertical</td>
<td>Vertical</td>
<td>6 to 42</td>
<td>-40 to +85°C</td>
<td>Gold</td>
</tr>
<tr>
<td>52207-**32</td>
<td>1.00</td>
<td>Right-Angle</td>
<td>Top</td>
<td>3 to 34</td>
<td>-40 to +85°C</td>
<td>New Tin</td>
</tr>
<tr>
<td>52207-**60</td>
<td>1.00</td>
<td>Right-Angle</td>
<td>Top</td>
<td>3 to 34</td>
<td>-40 to +85°C</td>
<td>Gold</td>
</tr>
<tr>
<td>52271-**29</td>
<td>1.00</td>
<td>Right-Angle</td>
<td>Bottom</td>
<td>4 to 30</td>
<td>-40 to +85°C</td>
<td>New Tin</td>
</tr>
<tr>
<td>52271-**62</td>
<td>1.00</td>
<td>Right-Angle</td>
<td>Bottom</td>
<td>4 to 30</td>
<td>-40 to +85°C</td>
<td>Gold</td>
</tr>
<tr>
<td>52610-**33</td>
<td>1.00</td>
<td>Vertical</td>
<td>Vertical</td>
<td>5 to 30</td>
<td>-40 to +85°C</td>
<td>New Tin</td>
</tr>
<tr>
<td>52610-**72</td>
<td>1.00</td>
<td>Vertical</td>
<td>Vertical</td>
<td>5 to 30</td>
<td>-40 to +85°C</td>
<td>Gold</td>
</tr>
</tbody>
</table>

Replace ** with circuit size

www.molex.com/link/easyon.html