Easy-On FFC/FPC Back Flip Connector, 503480 Series

Easy-On FFC/FPC 0.50mm-Pitch Back Flip Connector features dual contact and backflip actuator with multiple circuit sizes in a low-profile design, offering design flexibility, contact reliability and space savings, making it ideal for tight packaging applications.

Features and Advantages

FFC/FPC Connectors overall features

- 503480 series
- Back flip, ZIF Type
- Right Angle
- Dual Contact
- 4 to 40 Circuits
- 1.00mm Height

Actuator

- 94 degrees actuator rotation
- Enables easy operation and cable access

Dual contact terminal

- Offers secure contact and terminal retention

Applications

Markets
- Consumer
- Industrial
- Automotive

Applications
- Gaming devices
- Portable devices
- Display and touch panel connections
- Artificial intelligence devices
- VR devices
- Point of sale (POS) devices

AI Devices
Car Navigation
VR Devices
Game Machine
Easy-On FFC/FPC Back Flip Connector, 503480 Series

Specifications

REFERENCE INFORMATION
Packaging: Embossed tape
Designed In: Millimeters
RoHS: Yes
Halogen Free: Yes

ELECTRICAL
Voltage (max.): 50V
Current (max.): 0.5A
Contact Resistance (max.): 100 milliohms
Dielectric Withstanding Voltage: 200V AC
Insulation Resistance (min.): 50 Megohms

MECHANICAL
Durability (min.): 10 cycles

PHYSICAL
Housing: Glass-filled LCP, Natural
Actuator: Glass-filled PA, Black
Contact: Phosphor Bronze
Plating: Gold
Contact Area — Separated Gold
Solder Tail Area — Gold
Underplating — Separated Tin
Operating Temperature: -40 to +85°C

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>503480-**00</td>
<td>0.50mm</td>
<td>Bottom</td>
<td>Right Angle</td>
<td>8-40</td>
<td>-40 to +85°C</td>
<td>Gold</td>
</tr>
<tr>
<td>503480-**40</td>
<td>0.50mm</td>
<td>Bottom</td>
<td>Right Angle</td>
<td>4, 5, 6</td>
<td>-40 to +85°C</td>
<td>Gold</td>
</tr>
</tbody>
</table>

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