Easy-On FFC/FPC Connectors, 0.50mm Pitch, FBH1 Series

Product 503480

The Easy-On FFC/FPC Connectors, 0.50mm Pitch, FBH1 Series, with a low profile and user-friendly features, are ideal for consumer or commercial market applications of any design layout.

Features and Advantages

Back Flip actuator
Eases cable insertion and allows for a high upward pull force.

Actuator rotation
Rotates 94° for easy operation and cable access.

Low profile height of 1.00mm and width of 4.00mm
Offers space savings.

Dual contact terminal
Delivers secure connectivity.

Applications

Consumer
- POS terminals
- Game machines
- Digital still cameras
- Digital video cameras
- Car navigation systems
- Drones
- Consumer displays

POS
Drone
Game Machine
Specifications

**REFERENCE INFORMATION**
- Packaging: Embossed Tape and reel
- Use With: FFC/FPC
- Designed In: Millimeters
- RoHS: Yes
- Halogen Free: Low-Halogen

**ELECTRICAL**
- Voltage (max.): 50V
- Current (max.): 0.5A per circuit
- Contact Resistance (max.): 100 milliohms
- Dielectric Withstanding Voltage: 200V AC
- Insulation Resistance (min.): 50 Megaohms

**MECHANICAL**
- FFC/FPC Thickness: 0.30mm
- Durability (min.): 10 cycles

**PHYSICAL**
- Housing: LCP, UL 94V-0, Natural
- Actuator: PA, UL 94V-0, Black
- Contact: Copper Alloy
- Plating:
  - Contact Area — Gold
  - Solder Tail Area — Gold
  - Underplating — Nickel
- Operating Temperature: -40 to +85°C

**CIRCUIT SIZES**
- 4, 5, 6, 7, 8, 10, 12, 14, 16, 17, 18
- 20, 22, 24, 26, 30, 32, 36, 38, 40

Dimensions

Refer to molex.com for detail dimension

```
0.50 x (N-1)mm
1.10mm
```

**CIRCUIT SIZES**

```
4, 5, 6, 7, 8, 10, 12, 14, 16, 17, 18
20, 22, 24, 26, 30, 32, 36, 38, 40
```

Ordering Information

<table>
<thead>
<tr>
<th>Series No.</th>
<th>Pitch</th>
<th>Orientation</th>
<th>Contact Position</th>
<th>Circuits</th>
<th>Operating Temperature</th>
<th>Plating</th>
</tr>
</thead>
<tbody>
<tr>
<td>503480-**00</td>
<td>0.50mm</td>
<td>Right-Angle</td>
<td>Dual</td>
<td>4 to 40</td>
<td>-40 to +85°C</td>
<td>Gold</td>
</tr>
</tbody>
</table>

Replace ** with circuit size