Easy-On FFC/FPC Connector, 0.50mm pitch, V-Flip Series
Product 501951

Vertical Flip helps for multiple SMT on PCB, Flip lock for vibration and secure locking, 125°C availability and wide circuit size selection from 4 to 70

General market and any industry request for quick sample availability and wide variety of selection. Vertical Flip is easy FFC/FPC insertion process in assembly line, Molex micro design technology enables for within low height 4.60mm. 125°C is also available option for high operating temperature application unit. Molex Micro Solution design provide any solution to solve any market requirement.

Features and Advantages

Applications

Automotive
Car Navigation
Car Infotainment
Office Equipment
Printer
Consumers
Home Appliance
Flat TV
Industry
UAV (Drone)
IoT interconnection device
Datacom
Servers
Medical
Patient monitoring
Easy-On FFC/FPC Connector, 0.50mm pitch, V-Flip Series
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Specifications

REFERENCE INFORMATION
Packaging: Embossed Tape on Reel
Mates With: FFC/FPC
Designed In: Millimeters
RoHS: Yes
Halogen Free: Low Halogen

ELECTRICAL
Voltage (max.): 50V
Current (max.): 0.5A
Contact Resistance (max.): 40 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 - Gold over Nickel
Fitting Nail: Copper Alloy, Tin over Nickel plating
Operating Temperature: -40 to +85°C
or -40 to +125°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, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57,
58, 59, 60, 70

Dimensions
Refer to molex.com for detail dimension
N = Circuit size

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>501951-**30</td>
<td>0.50mm</td>
<td>Vertical</td>
<td>Vertical</td>
<td>4 to 70</td>
<td>-40 to +85°C</td>
<td>Gold</td>
</tr>
<tr>
<td>501951-**50</td>
<td>0.50mm</td>
<td>Vertical</td>
<td>Vertical</td>
<td>4 to 70</td>
<td>-40 to +125°C</td>
<td>Gold</td>
</tr>
</tbody>
</table>

www.molex.com/link/easyon.html

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