Easy-On FFC/FPC Connector, 0.50/1.00mm pitch, FD19 Series
Product 505110 / 200528

Versatile dual-contact FD19 Series FFC/FPC Connectors meet temperature requirements up to 150°C and come in a wide range of circuit sizes for maximum design flexibility across multiple markets and applications.

Features and Advantages

- Dual contact: Delivers secure connectivity
- Latch type FPC: Provides secure cable retention. Accepts cable with or without tabs
- Lock with clear, audible click: Ensures proper mating
- Nickel barrier: Eliminates the concern for solder and flux wicking
- Wide pick-and-place area: Provides vacuum space for SMT nozzle
- Wide frontage: Eases FFC/FPC insertion
- Low-Halogen material: Meets environmental considerations

Applications

Automotive
- Car navigation
- Instrument panels
- Car infotainment

Home Appliance
- Flat panel TVs
- Refrigerators
- Vacuuming machines

Industrial
- UAV (drone)
- Robotics

Consumer
- Game units
- VR/AR
- Printers
Easy-On FFC/FPC Connector, 0.50/1.00mm pitch, FD19 Series
Product 505110 / 200528

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.): 40 milliohms
Dielectric Withstanding Voltage: 125V AC
Insulation Resistance (min.): 50 Megohms

PHYSICAL
Housing: LCP, UL 94V-0, Beige
Actuator: PA, UL 94V-0, Black
Plating:
  Contact Area — Gold
  Solder Tail Area — Gold
  Underplating — Nickel
Operating Temperature: -40 to +105°C or -40 to +150°C

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

CIRCUIT SIZE (0.50MM PITCH)
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, 61, 64, 68, 70, 80

CIRCUIT SIZE (1.00MM PITCH)
4 to 30

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>505110-**92</td>
<td>0.50</td>
<td>Right-Angle</td>
<td>Bottom</td>
<td>4 to 19</td>
<td>-40 to +105°C</td>
<td>Gold</td>
</tr>
<tr>
<td>505110-**91</td>
<td>0.50</td>
<td>Right-Angle</td>
<td>Bottom</td>
<td>20 to 80</td>
<td>-40 to +150°C</td>
<td>Gold</td>
</tr>
<tr>
<td>505110-**97</td>
<td>0.50</td>
<td>Right-Angle</td>
<td>Bottom</td>
<td>4 to 19</td>
<td>-40 to +150°C</td>
<td>Gold</td>
</tr>
<tr>
<td>505110-**96</td>
<td>0.50</td>
<td>Right-Angle</td>
<td>Bottom</td>
<td>20 to 80</td>
<td>-40 to +150°C</td>
<td>Gold</td>
</tr>
<tr>
<td>200528-0**0</td>
<td>1.00</td>
<td>Right-Angle</td>
<td>Bottom</td>
<td>4 to 30</td>
<td>-40 to +105°C</td>
<td>Gold</td>
</tr>
<tr>
<td>200528-0**1</td>
<td>1.00</td>
<td>Right-Angle</td>
<td>Bottom</td>
<td>4 to 30</td>
<td>-40 to +150°C</td>
<td>Gold</td>
</tr>
</tbody>
</table>

Replace with ** for Circuit size.

www.molex.com/link/easyon.html

Molex is a registered trademark of Molex, LLC in the United States of America and may be registered in other countries; all other trademarks listed herein belong to their respective owners.

Order No. 987651-8731 APN/0k/GF/2020.02 ©2020 Molex