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 125°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

- **Wide frontage**
  Eases FFC/FPC insertion

- **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

- **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

Car Infotainment  Home Appliance  UAV (Drone)
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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 +125°C

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>
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<tr>
<td>505110-**91</td>
<td>0.50</td>
<td></td>
<td>Bottom</td>
<td>20 to 80</td>
<td>-40 to +105°C</td>
<td></td>
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<tr>
<td>505110-**97</td>
<td>0.50</td>
<td>Right-Angle</td>
<td>Bottom</td>
<td>4 to 19</td>
<td>-40 to +125°C</td>
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<tr>
<td>505110-**96</td>
<td>0.50</td>
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<td>Bottom</td>
<td>20 to 80</td>
<td>-40 to +125°C</td>
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<tr>
<td>200528-0**7</td>
<td>1.00</td>
<td>Right-Angle</td>
<td>Bottom</td>
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<td>-40 to +105°C</td>
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<td>200528-0**1</td>
<td>1.00</td>
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<td>Bottom</td>
<td>4 to 30</td>
<td>-40 to +125°C</td>
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</tbody>
</table>

Replace with ** for Circuit size.

www.molex.com/link/easyon.html

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