Easy-On FFC/FPC Connector 1.00mm Pitch

Molex’s 1.00mm pitch FFC/FPC connectors offer the best combination of signal reliability, compactness, wide circuit-size range, height and cable style choices of any similar version in the market. Ideal for tight-packaging applications.

Features and Benefits

Double-bottom Contact Terminal Design
The double-bottom-contact terminal design removes dust and contaminants (better than single-bottom-contact terminals) and provides stable redundant contact forces for secure electrical reliability.

Vacuum pick-and-place area on top of housing
Provides easier board assembly and cost savings.

Cable ear-tab locking
Provides cable alignment, high retention force and easy actuation.

Signal Terminal Gold (plated)
Heat Resistant Resin Housing
Nail
Tin over Nickel plated

Zero insertion force
Facilitates easy cable insertion

Wide range of circuit sizes (4 to 80)
Offers design flexibility

Ultra Low Profile
Achieves space-savings to meet different design requirements

Applications

Automotive
- Car Infotainment
- Display audio
- Car navigation

Consumer
- Portable gaming equipment
- Personal navigation equipment
- VR / AR

Data Communications
- Optical disk drives
- Tablet and notebook PCs
- Printers and copiers

Medical
- Patient monitoring

Industry
- UAV (Drone)
- Robotics

Audio
Portable Gaming Equipment
Printer
Medical Device
Easy-On FFC/FPC Connector 1.00mm Pitch

Specifications

**REFERENCE INFORMATION**
Packaging: Embossed Tape
Mates With: FFC or FPC
Designed In: Millimeters
RoHS: Yes
Halogen Free: Yes=200528

**ELECTRICAL**
- Voltage (max.): 50V, 125V
- Current (max.): 0.5A, 1.0A
- Contact Resistance: 20, 40 Milliohms max.
- Dielectric Withstanding Voltage: 50V AC
- Insulation Resistance: 50 Megohms min.

**MECHANICAL**
- Durability (max.): 20, 25 cycles

**PHYSICAL**
- Housing: Heat Resistance Resin
- Contact: Copper Alloy
- Contact Area - Gold
- Operating Temperature: -40 to +85°C,
  - -40 to +105°C (200528)

Ordering Information

<table>
<thead>
<tr>
<th>Series Number</th>
<th>Image</th>
<th>Mated Height</th>
<th>Width</th>
<th>Circuit Size</th>
<th>Orientation</th>
<th>Actuator Type</th>
<th>Contact Type</th>
<th>Contact Plating</th>
<th>Current (max.)</th>
<th>Voltage (max.)</th>
<th>FPC Thickness (mm)</th>
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<td>1.90</td>
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<td>4 to 40</td>
<td>Front Flip</td>
<td>Bottom</td>
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<td>125V</td>
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www.molex.com/smt_1.00mm-ffc-fpc.html

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