Molex’s 0.50mm pitch FFC/FPC connectors with single and double contacts offer the best combination of signal reliability and compactness with a wide range of circuit size, height and cable styles. These connectors are 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.

**Heat Resistant Resin Actuator**

**Applications**

**Automotive**
- Car Infotainment
- Display audio
- Car navigation

**Consumer**
- Flat TV
- Portable unit
- Personal navigation equipment
- VR / AR

**Data Communications**
- Optical disk drives
- Tablet and notebook PCs

**Office Equipment**
- Printers and copiers

**Medical**
- Patient monitoring

**Industry**
- UAV (Drone)
- Robotics

**Ultra Low Profile**
Achieves space-savings to meet different design requirements.
# Easy-On FFC/FPC Connector

## 0.50mm Pitch

### Specifications

**REFERENCE INFORMATION**
- Packaging: Embossed Tape
- Mates With: FFC or FPC
- Designed In: Millimeters
- RoHS: Yes
- Halogen Free: Yes=503480 and 505110

**ELECTRICAL**
- Voltage (max.): 50V
- Current (max.): 0.4A or 0.5A
- Contact Resistance: 20, 40, 100 Milliohms max.
- Dielectric Withstanding Voltage: 125V or 200V or 250V AC
- Insulation Resistance: 50 Megaohms min.

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

**PHYSICAL**
- Housing: Heat Resistance Resin
- Contact: Copper Alloy
- Contact Area: Gold
- Solder Tail Area: Gold
- Underplating: Nickel
- Operating Temperature: -40 to +85°C

### Ordering Information

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<th>Mated Height</th>
<th>Width</th>
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<th>Orientation</th>
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www.molex.com/smt_0.50mm-ffc-fpc.html

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