

# Easy-On FFC/FPC Connector 1.00mm Pitch

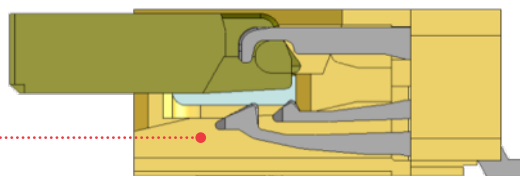
**molex**

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.



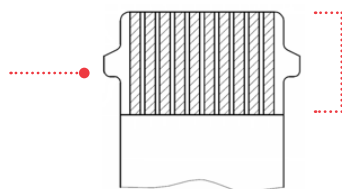
Double-contact type

### Vacuum pick-and-place area on top of housing

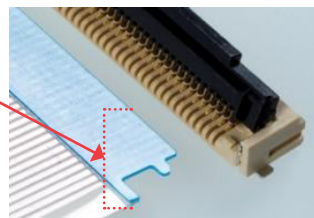
Provides easier board assembly and cost savings

### Cable ear-tab locking

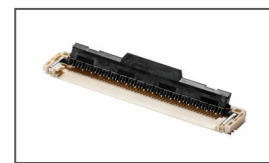
Provides cable alignment, high retention force and easy actuation.



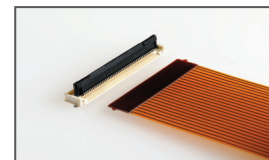
Standard ear-tab



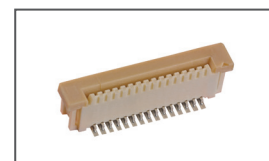
Custom-style ear tab



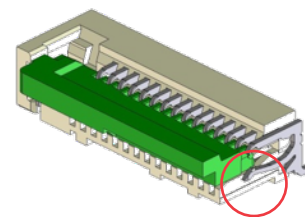
200528 Series



52610 Series



Single-contact type is also available (Option)



### Zero insertion force

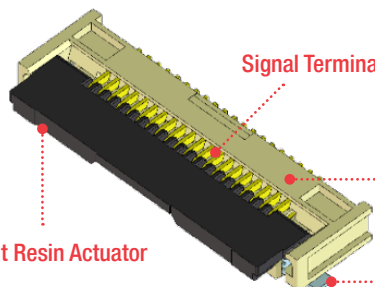
Facilitates easy cable insertion

### Wide range of circuit sizes (4 to 80)

Offers design flexibility

### Ultra Low Profile

Achieves space-savings to meet different design requirements



Signal Terminal Gold (plated)

Heat Resistant Resin Housing

Heat Resistant Resin Actuator

Nail  
Tin over Nickel plated

## 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



\*Car Infotainment



Portable Gaming Equipment



Audio



Printer



Medical Device

\*For series 200528 only

# 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 Megaohms 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

| Series Number          | Image   | Mated Height | Width | Circuit Size | Orientation | Actuator Type | Contact Type | Contact Plating | Current (max.) | Voltage (max.) | FPC Thickness (mm) |
|------------------------|---|--------------|-------|--------------|-------------|---------------|--------------|-----------------|----------------|----------------|--------------------|
| <a href="#">200528</a> |    | 1.90         | 5.30  | 4 to 40      | R/A         | Front Flip    | Bottom       | Gold            | 1.0A           | 125V           | 0.3 ± 0.05         |
| <a href="#">52207</a>  |   | 2.70         | 7.60  | 3 to 34      |             | Slider        | Top          | Gold            | 1.0A           | 125V           | 0.3 ± 0.05         |
| <a href="#">52271</a>  |  | 3.00         | 7.40  | 4 to 30      |             | Slider        | Bottom       | Gold            | 0.5A           | 50V            | 0.3 ± 0.05         |
| <a href="#">52610</a>  |  | 5.75         | 4.50  | 5 to 30      | Vertical    | Slider        | Single       | Gold            | 1.0A           | 125V           | 0.3 ± 0.05         |

[www.molex.com/smt\\_1.00mm-ffc-fpc.html](http://www.molex.com/smt_1.00mm-ffc-fpc.html)

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