

# Easy-On FFC/FPC Connector, 0.50/1.00mm pitch, FD19 Series

Product 505110 / 200528

**molex**

**“Dual Contact” for vibration, any pitch for high voltage from 0.50mm and 1.00mm, and wide circuit size selection from 4 to 80 in height 1.90mm**

General market and any industry request for quick sample availability and wide variety of selection. Super low profile FD19 helps for application with vibration circumstance and same design with 0.50mm and 1.00mm pitch. Front flip actuator is easier operation process and can have higher FFC/FPC cable retention force with latch type FFC/FPC. 125°C is also available option for high operating temperature application unit. Molex Micro Solution design provide any solution to solve any market requirement.

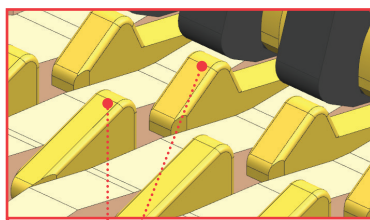


505110-\*\*\*\*  
(0.50mm pitch)



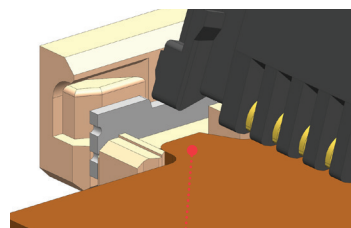
200528-\*\*\*\*  
(1.00mm pitch)

## Features and Advantages



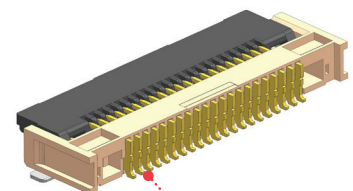
### Dual Contact

Two independent contacts for secure connectivity



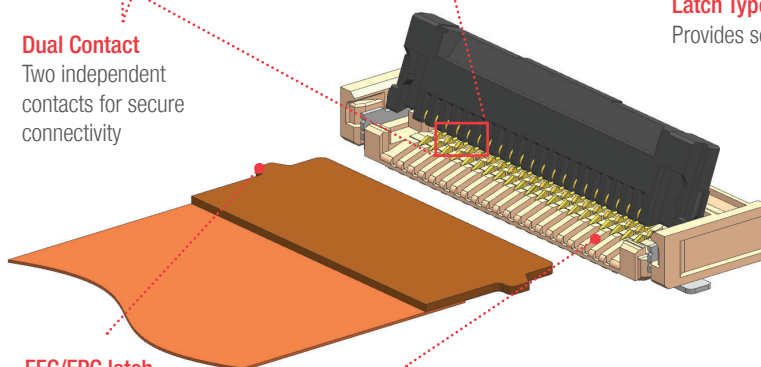
### Latch Type FPC

Provides secure cable retention



### Ni Barrier

Eliminates the concern for solder and flux wicking



### FFC/FPC latch

Choice of the presence or absence of the locking latch

### Wide Frontage

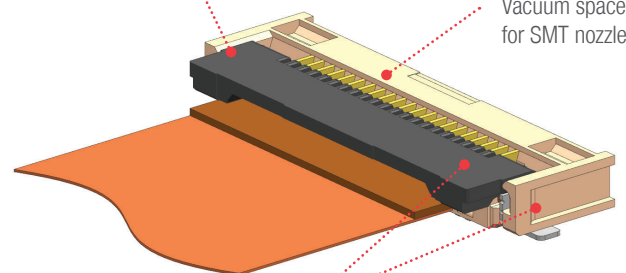
Eases FFC/FPC insertion

### High Click Locking

Good operability and high retention force

### Wide Pick-and-Place Area

Vacuum space for SMT nozzle



### Low Halogen

Best material selection for environmental considerations

## Applications

### Automotive

- Car Navigation
- Instrument Panel
- Car Infotainment

### Home Appliance

- Flat Panel TV
- Refrigerator
- Vacuuuming Machine

### Industry

- UAV (Drone)
- Robotics

### Gaming

- Game Unit



Car Infotainment



Home Appliance



UAV (Drone)

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## Specifications

### REFERENCE INFORMATION

Packaging: Embossed Tape on Reel  
Mates With: FFC/FPC  
Designed In: Millimeters  
RoHS: Yes  
Halogen Free: Low Halogen

### ELECTRICAL

Voltage (max.): 50V  
Current (max.): 0.5A  
Contact Resistance (max.): 40 Milliohms  
Dielectric Withstanding Voltage: 125V AC (rms)  
Insulation Resistance: 50 Megaohms min.

### MECHANICAL

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

### PHYSICAL

Housing: LCP, UL94V-0  
Actuator: PA, UL94V-0  
Contact: Copper Alloy  
Plating: Contact Area - Gold over Nickel  
Fitting Nail: Copper Alloy, Tin over Nickel plating  
Operating Temperature: -40 to +105°C  
or -40 to +125°C

### CIRCUIT SIZE (0.50MM PITCH)

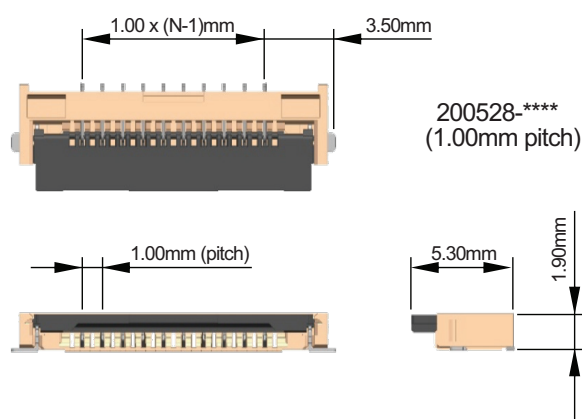
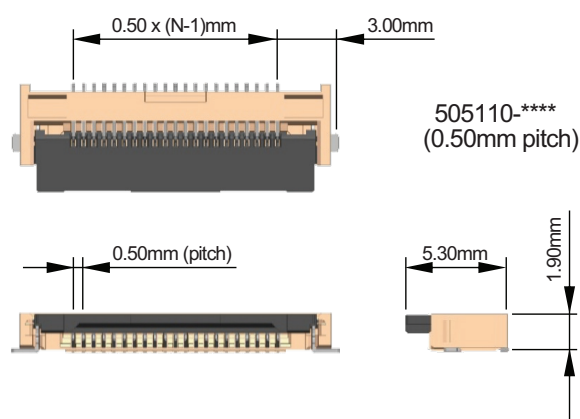
4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18,  
19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31,  
32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44,  
45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57,  
58, 59, 60, 61, 64, 68, 70, 80

### CIRCUIT SIZE (1.00MM PITCH)

4, 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

## Dimensions

Refer to [molex.com](http://molex.com) for detail dimension  
N = Circuit size



## Ordering Information

Replace with \*\* for Circuit size.

Series No.	Pitch	Contact Position	Orientation	Circuits	Operating Temperature	Plating
505110-**-92	0.50mm	Bottom	Right Angle	4 to 19	-40 to +105°C	Gold
505110-**-91	0.50mm	Bottom	Right Angle	20 to 80	-40 to +105°C	Gold
505110-**-97	0.50mm	Bottom	Right Angle	4 to 19	-40 to +125°C	Gold
505110-**-96	0.50mm	Bottom	Right Angle	20 to 80	-40 to +125°C	Gold
200528-0**0	1.00mm	Bottom	Right Angle	4 to 30	-40 to +105°C	Gold
200528-0**1	1.00mm	Bottom	Right Angle	4 to 30	-40 to +105°C	Gold

[www.molex.com/link/easyon.html](http://www.molex.com/link/easyon.html)

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