

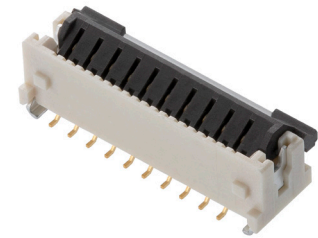
# Easy-On FFC/FPC Connector, 0.50mm pitch, V-Flip Series

Product 501951

**molex**

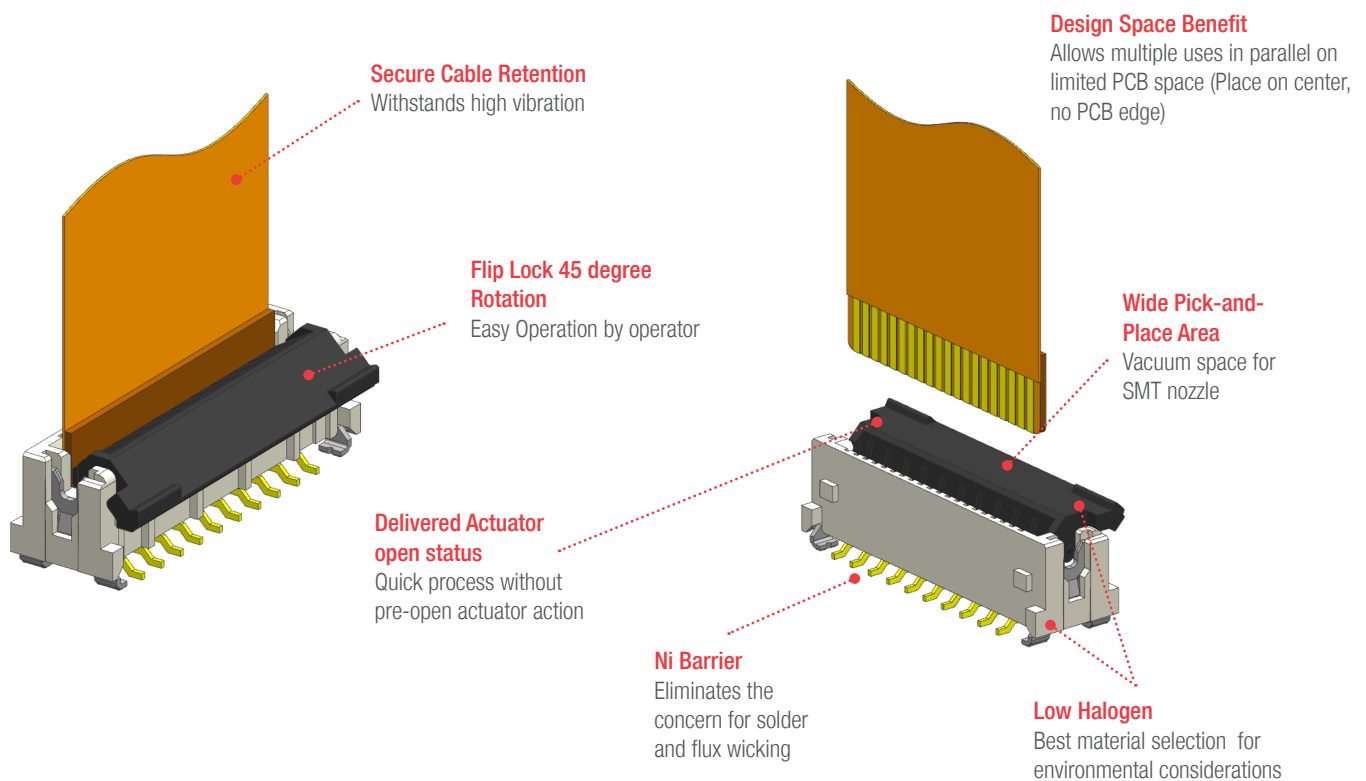
**Vertical Flip helps for multiple SMT on PCB, Flip lock for vibration and secure locking, 125°C availability and wide circuit size selection from 4 to 70**

General market and any industry request for quick sample availability and wide variety of selection. Vertical Flip is easy FFC/FPC insertion process in assembly line, Molex micro design technology enables for within low height 4.60mm. 125°C is also available option for high operating temperature application unit. Molex Micro Solution design provide any solution to solve any market requirement.



501951-\*\*\*\*

## Features and Advantages



## Applications

### Automotive

- Car Navigation
- Car Infotainment

### Office Equipment

- Printer

### Consumers

- Home Appliance
- Flat TV

### Industry

- UAV (Drone)
- IoT interconnection device

### Datacom

- Servers

### Medical

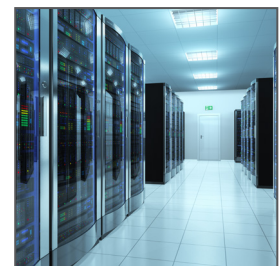
- Patient monitoring



Car Infotainment



Office Equipment



Servers

# Easy-On FFC/FPC Connector, 0.50mm pitch, V-Flip Series

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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: 250V AC (rms)  
Insulation Resistance: 50 Megaohms min.

### MECHANICAL

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

### PHYSICAL

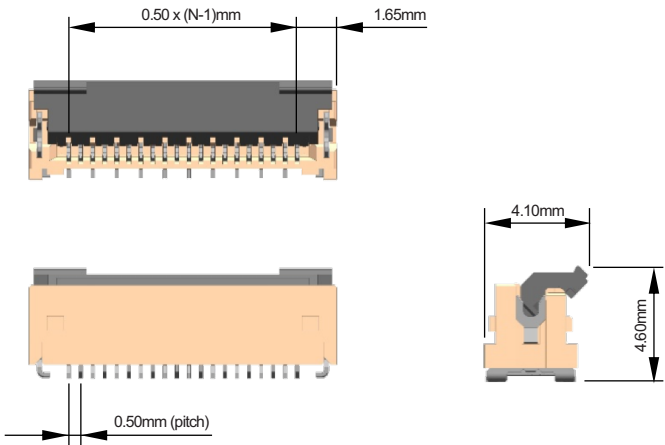
Housing: LCP, UL94V-0  
Actuator: PA, UL94V-0  
Contact: Copper Alloy  
Plating: Contact Area - Gold over Nickel  
Fitting Nail: Copper Alloy, Tin over Nickel plating  
Operating Temperature: -40 to +85°C  
or -40 to +125°C

### CIRCUIT SIZE

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, 70

## 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
501951-**-30	0.50mm	Vertical	Vertical	4 to 70	-40 to +85°C	Gold
501951-**-50	0.50mm	Vertical	Vertical	4 to 70	-40 to +125°C	Gold

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

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