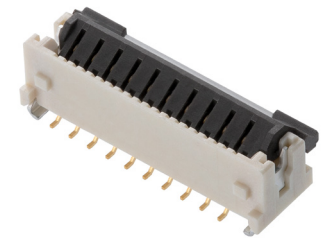


# Easy-On FFC/FPC 0.50mm Pitch V-Flip Connector, 501951 Extension

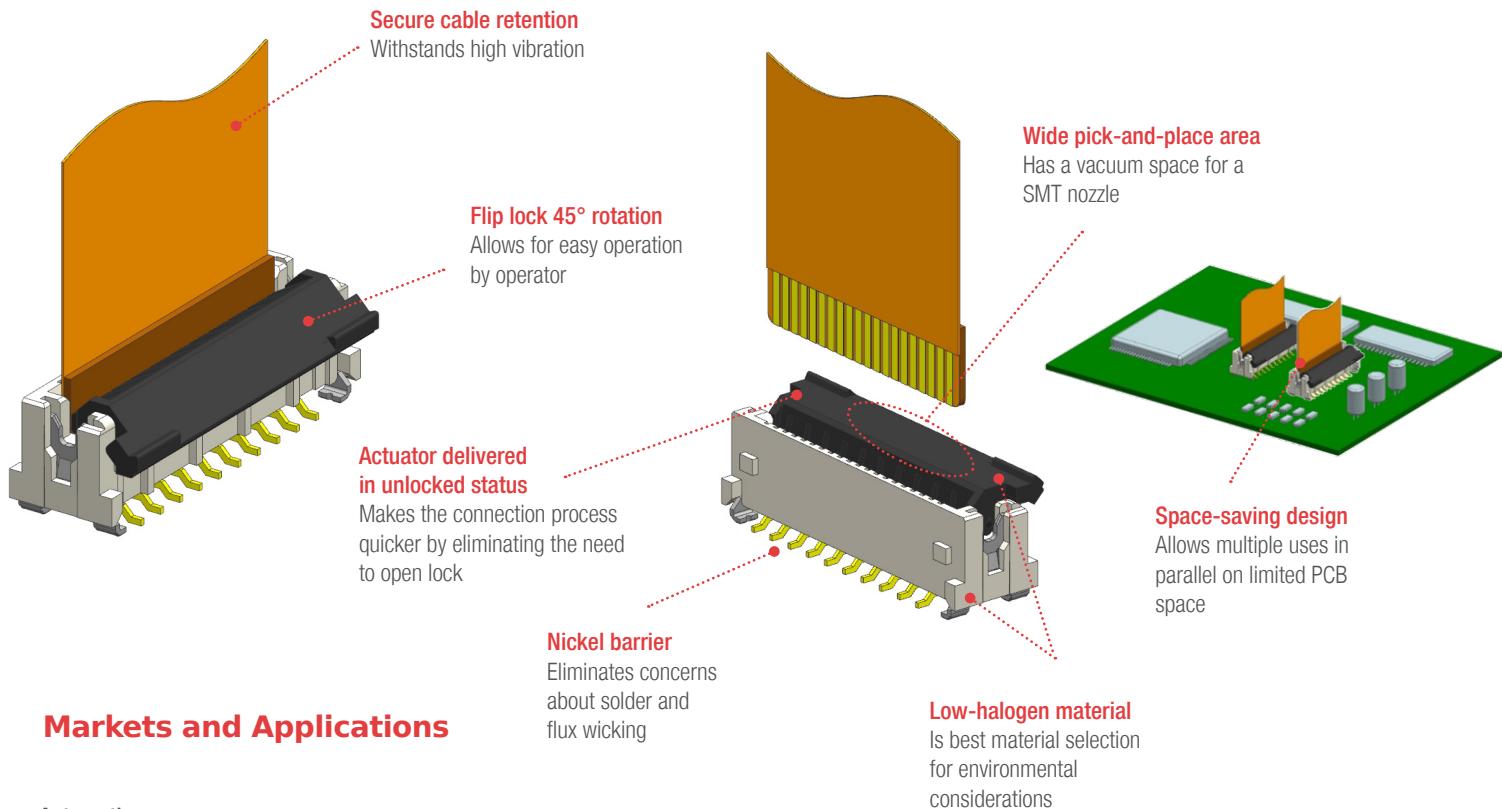
**molex**

The Easy-On FFC/FPC 501951 Connector is a general market product with secure flip, vertical locking and a space-saving design in multiple circuit sizes for various customer applications



501951-\*\*\*\*

## Features and Advantages



## Markets and Applications

### Automotive

- Car navigation
- Car infotainment systems

### Consumers

- Home appliances
- Flat TVs
- Game units
- Printers

### Industrial

- UAVs (Drones)
- IoT interconnection devices
- Smart speakers

### Mobile Devices

- POS terminals

### Telecommunications/Networking

- Hubs

### Datacom

- Servers

### Medical

- Patient monitoring



Smart Speaker



Car Infotainment



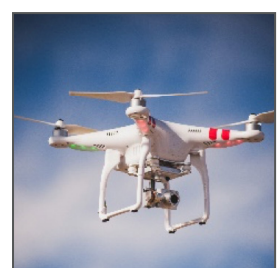
Servers



POS Terminal



Office Equipment



Drone

# Easy-On FFC/FPC 0.50mm Pitch V-Flip Connector, 501951 Extension



## Specifications

### REFERENCE INFORMATION

Packaging: Embossed  
 UL File No.: UL94V-0  
 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  
 Insulation Resistance (min.): 50 Megohms

### MECHANICAL

FPC Retention Force: Refer to product spec  
 Durability (max.): 20 times

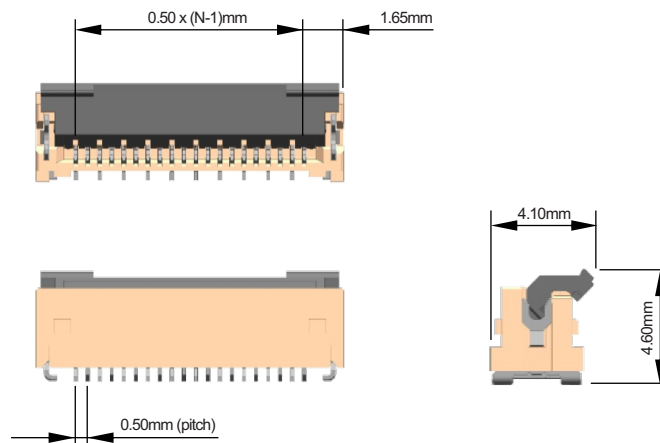
### PHYSICAL

Housing: LCP, UL94V-0  
 Actuator: PA9T, UL94V-0  
 Contact: Copper alloy  
 Plating:  
 Contact Area — Gold (Au)  
 Solder Tail Area — Gold (Au)  
 Nail Solder Tail Area — Tin (Sn)  
 Underplating — Nickel (Ni)  
 FFC/FPC Thickness: 0.3 +/-0.05mm  
 Operating Temperature: -40 to +85°C  
 or -40 to +125°C

## Dimensions

Refer to molex.com for detail dimension

N = Circuit size



## Ordering Information

Series No.	Pitch (mm)	Orientation	Contact Position	Circuits	Operating Temperature	Plating
501951-**30	0.50	Vertical	Vertical	4 to 70	-40 to +85°C	Gold
501951-**50	0.50	Vertical	Vertical	4 to 70	-40 to +125°C	Gold

Replace \*\* with circuit size

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

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