

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

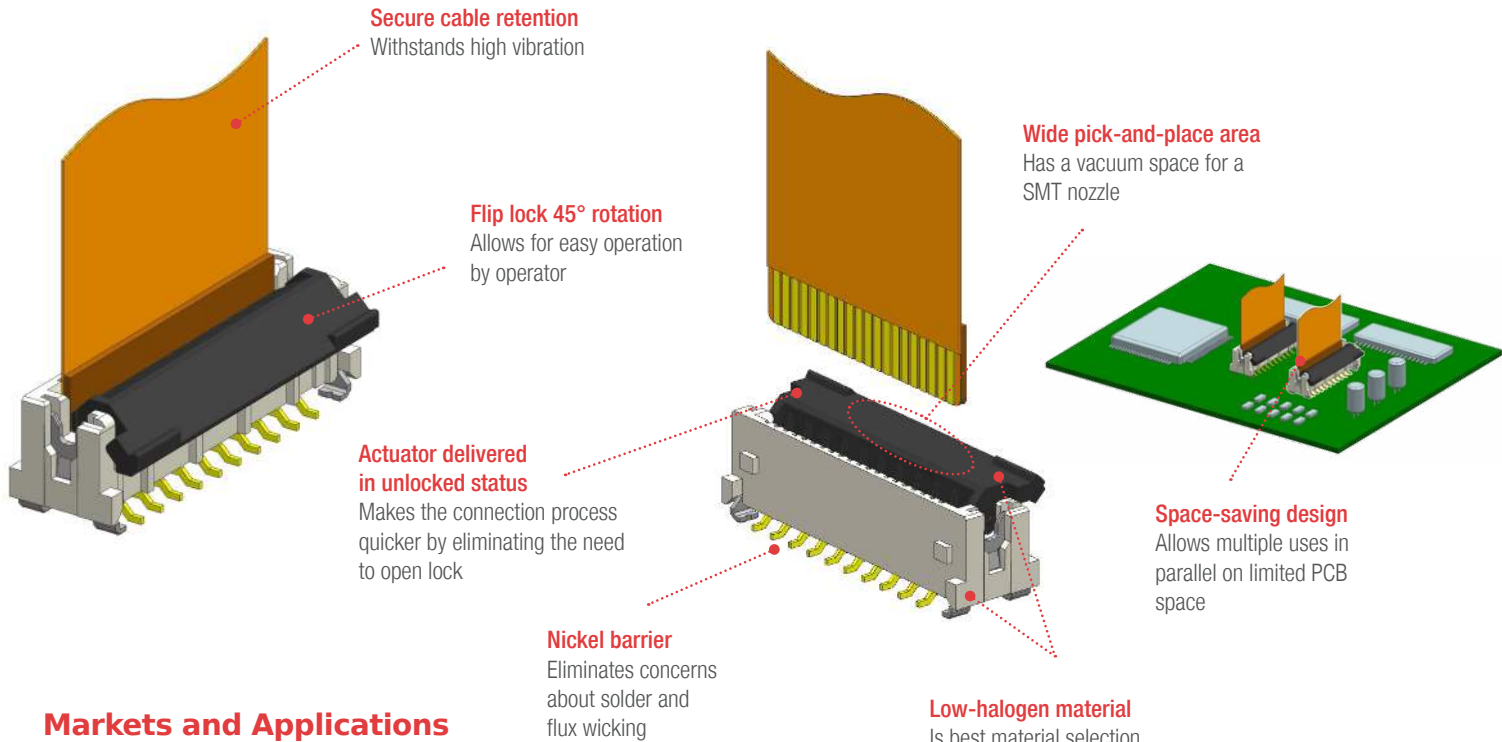
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The Easy-On FFC/FPC 501951 Connector is a general market product with secure flip, vertical locking and a space-saving design in multiple circuit sizes for various customer applications



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

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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

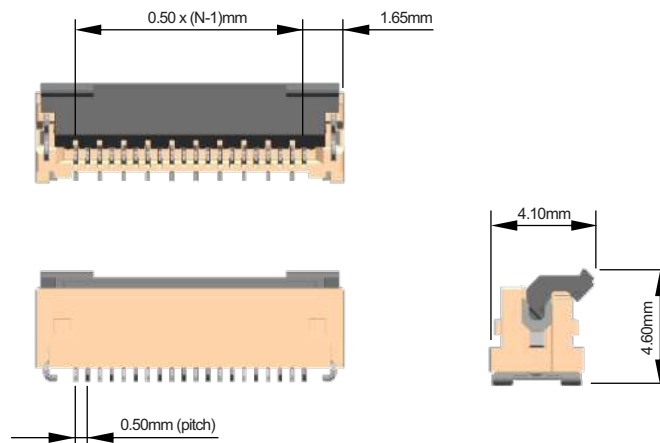
PHYSICAL

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

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