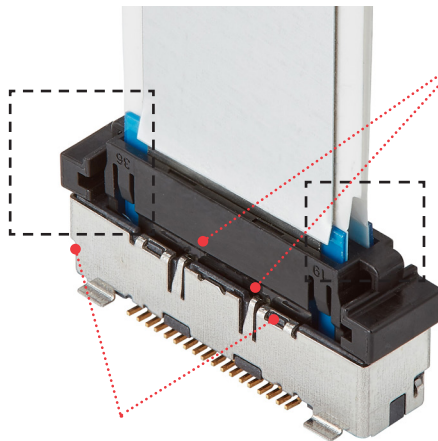


# Easy-On FFC/FPC 0.50mm Pitch Vertical Connectors, FV2R Series

**molex**

The FV2R Series Easy-On FFC/FPC 0.50mm Pitch Vertical Connectors, with ground terminals and low-profile height, offer high-speed data rates with reliability for a variety of compact general-market applications

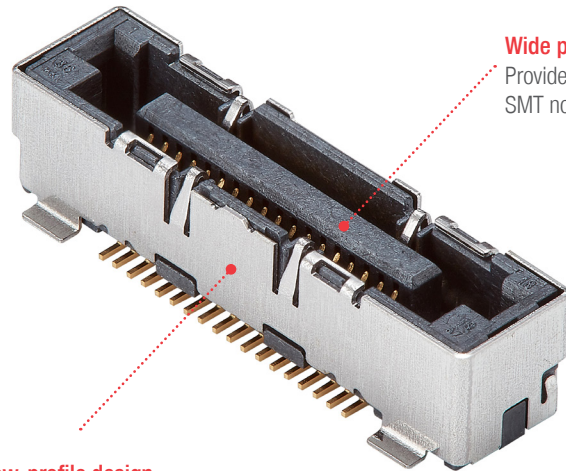
## Features and Advantages



**Ground contacts**  
Offer product shielding

**Low-halogen material**  
Addresses environmental considerations

**Positive lock latch with audible click on mating**  
Provides mating confirmation and high withdrawal force for secure mating retention



**Wide pick-and-place area**  
Provides vacuum space for SMT nozzle

**Low-profile design**  
Offers space savings

## Applications

### Consumer

- CCTV cameras
- Drones
- Tablets/PCs

### Home Appliance

- Home wall pads



Drones



Security Cameras

# Easy-On FFC/FPC 0.50mm Pitch Vertical Connectors, FV2R Series



## Specifications

### REFERENCE INFORMATION

Packaging: Embossed tape and reel

Designed In: Millimeters

RoHS: Yes

Halogen Free: Low-Halogen

### ELECTRICAL

Voltage (max.): 50V

Current (max.): 0.5A

Impedance (max.): 100±10% ohms

	80.00mm FFC		300.00 mm FFC	
	@0.5GHz	@1.0GHz	@0.5GHz	@1.0GHz
Insertion Loss (dB)	-0.626	-1.08737	-1.794	-2.7607
Return Loss (dB)	-20.873	-19.495	-28.323	-15.803
NEXT (dB)	-45.747	-43.681	-33.244	-32.153
FEXT (dB)	-57.529	-43.561	-39.151	-43.765
Differential Impedance ( $t_{r_{20-80\%}}=50\text{ps}$ )	93.348 Ohms		92.296 Ohms	

### MECHANICAL

FFC/FPC Thickness: 0.33 mm

Durability (min.): 20 cycles

### PHYSICAL

Receptacle Housing: Heatproof Resin UL94-V0

Contact: Phosphor Bronze

Plating:

Contact Area: Gold

Solder Tail Area: Gold

Underplating: Nickel

Operating Temperature: -20 to +85°C

## Ordering Information

Series No.	Pitch (mm)	Description
<a href="#">205195-0360</a>	0.50	Plug
<a href="#">205196-0360</a>	0.50	Receptacle

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

Molex is a registered trademark of Molex, LLC in the United States of America and may be registered in other countries; all other trademarks listed herein belong to their respective owners.