

# FFC/FPC Connectors Non-ZIF Vertical

*0.50mm Pitch, 78119, 78127 Series*

**Molex's legacy Non-ZIF FFC/FPC connectors provide secure electrical and mechanical contact for consumer devices, gaming devices, office automation and other applications that require space savings and cost performance**

## Features and Benefits

Non-ZIF (zero insertion force) design

Simple operating process

Two PCB footprint and contact side options

Facilitates design flexibility, easier soldering and lower cable insertion force

Secure cable retention force using FFC/FPC

Provides secure electrical contact

Wide range of circuit sizes

Offers design flexibility

Tin-silver-bismuth plating option is available

Prevents plating whiskering that can cause signal intermittency problems; cost savings versus gold-plated types

## Applications

### Consumer

POS (Point Of Sales) device

Portable Gaming Machine

3D Glass for virtual reality devices

### Datacommunications

Photocopier

Printer



Printer



Portable Gaming Machines

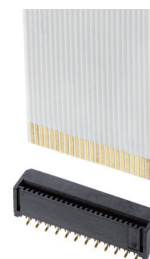


3D Glass

**molex**<sup>®</sup>



0.50mm pitch FFC/FPC Connector,  
Non-ZIF (78119 Series)



78119 with FFC

# FFC/FPC Connectors Non-ZIF Vertical

0.50mm Pitch, 78119, 78127 Series

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## Specification

### REFERENCE INFORMATION

Packaging: Embossed tape  
Designed In: Millimeters  
RoHS: Yes  
Halogen Status: Low Halogen

### ELECTRICAL

Voltage (max.): 50V  
Current (max.): 0.5A  
Contact Resistance: 30 milliohms max.  
Dielectric Withstanding Voltage: 500V AC  
Insulation Resistance: 50 Megohms min.  
Operating Temperature: -40 to +85°C

### PHYSICAL

Housing: LCP, Black  
Terminal: Phosphor Bronze

### PLATING

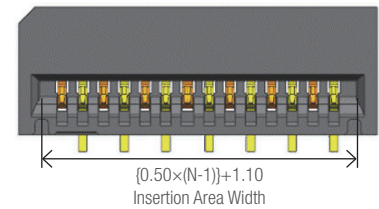
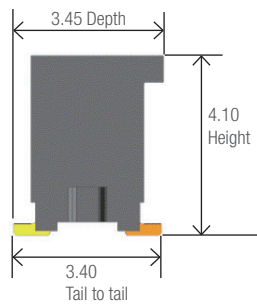
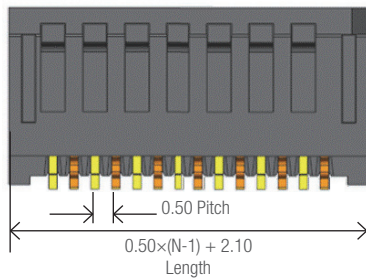
Contact Area and Tail Area: Tin Bismuth or Gold  
Underplating: Nickel

### MECHANICAL

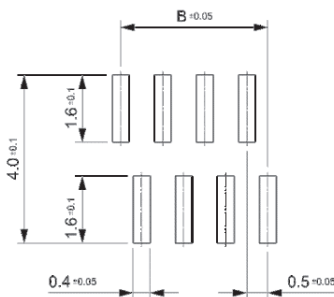
Durability (min.): 20 cycles

## Additional Product Features

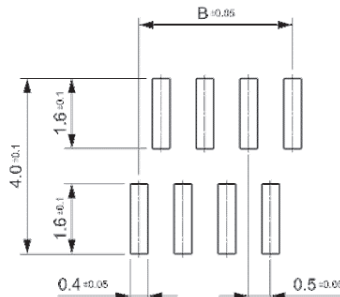
Dimensional Overview (78119 shown) (unit: mm)



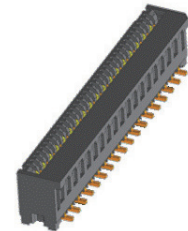
### PCB Layouts



78119 Series



78127 Series



## Ordering Information

Order No.	Circuit Size	Plating
<a href="#">78119-***10</a>	6 to 36	Tin Bismuth
<a href="#">78119-***20</a>		Gold
<a href="#">78127-***10</a>		Tin Bismuth
<a href="#">78127-***20</a>		Gold

Note: Please contact Molex for Tin Silver Bismuth plating products.

[www.molex.com/product/smt\\_ffc-fpc.html](http://www.molex.com/product/smt_ffc-fpc.html)