

# Solderless RF/Microwave PCB Connectors >

Solderless RF/Microwave PCB Connectors from Molex offer a reusable, compact and easy-to-install radio frequency connection to the PCB or microstrip for high-density, high-precision test and measurement applications.



## FEATURES AND ADVANTAGES

### Simplifies installation and removal on edge of PCB

Screw attachment method

### Lowers costs with reusable design

Solderless installation method permits easy removal and reuse

### Facilitates use with high-density applications by permitting PCB signal traces to be closer together

Narrow-block compact design requires a smaller footprint

Frequency Range	1.0mm: DC to 110 GHz 1.85mm: DC to 67 GHz 2.4mm: DC to 50 GHz
Impedance	50 Ohms
Attachment	Mechanical (screw)
Material	Body: Stainless Steel, passivated Contact: Beryllium Copper, Gold plated

### Offers improved electrical performance over vertical compression mount connectors

Center contact parallel to the signal trace enhances electrical performance

### Enhances flexibility with a range of size and frequency options

1.0, 1.85 and 2.4mm connectors are available from multiple distributors for simplified sourcing



## MARKETS AND APPLICATIONS

### Telecommunications

Test and measurement equipment  
Wireless communications systems  
Satellites

### Networking

Network systems  
Automated test equipment



Test and Measurement Equipment



Network Systems

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## SPECIFICATIONS

### Reference Information

Packing: Individually bagged  
Designed in: Millimeters  
RoHS: Yes

### Electrical

Operating Frequency Range:  
1.0mm: DC to 110 GHz  
1.85mm: DC to 67 GHz  
2.4mm: DC to 50 GHz  
VSWR (max.):  
1.0mm: 2.0:1 @ 110 GHz  
1.85mm End Launch: 1.4:1 @ 67 GHz  
1.85mm Wave Launch: 1.35:1 @ 67 GHz  
2.4mm: 1.2:1 @ 50 GHz  
Impedance: 50 Ohms

### Physical

Connection: Board end  
Attachment: Mechanical (screw)  
Body: Stainless Steel, passivated  
Contact: Beryllium Copper, Gold plated  
Durability (min.): 500 cycles