

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

Lowest 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

Solderless RF/Microwave PCB Connectors

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