

SOLDERLESS RF/MICROWAVE PCB CONNECTORS

ADDING: Solderless radio frequency (RF) PCB connectors for high-precision test and measurement applications

NPI EXTENSION

SEPTEMBER 2023

creating connections for life



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.

Key Product Information

Category: RF Precision Test Connector

Frequency: DC to 110 GHz (1.0mm)

DC to 67 GHz (1.85mm)

DC to 50 GHz (2.4mm)

Impedance: 50 Ohms

Attachment: Mechanical (screw)



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Series

73157 [1.85mm Solderless RF PCB Connectors](#)

73164 [1.0mm Solderless RF PCB Connectors](#)

73387 [2.4mm Solderless RF PCB Connectors](#)

VITAL PRODUCT INFORMATION

Excellent Electrical Performance

Solderless RF/Microwave PCB Connectors are ideal for high-precision test and measurement applications, boasting improved performance over vertical compression-mount connectors.



Compact Design for High-Density Applications

The narrow-block housing permits connectors to be installed closer together, permitting tighter spacing of PCB signal traces and better optimization of space for high-density applications.



Simple Installation and Removal

Solderless RF/Microwave PCB Connectors use a screw-mount attachment method, which simplifies and speeds installation while permitting easy removal and reuse for cost savings.



MARKETS AND APPLICATIONS



Telecommunications

- Test and measurement
- Wireless communications
- Satellites



Networking

- Network systems
- Automated test equipment

PRODUCT FEATURES AND ADVANTAGES

Simplifies installation and removal on edge of PCB

Screw attachment method

Lowers costs through its 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

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

Key Specifications	
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



THANK YOU

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molex