



Overview

Solderless 2.92 mm PBC jacks are available in stripline and microstrip configurations and eliminate solder joint variability. Solderless 2.92 mm connectors provide secure PCB attachment for microwave and millimeter-wave systems, prototyping environments and advanced RF validation applications.

The solderless design utilizes a threaded interface to ensure consistent connector-to-PCB contact without the inconsistencies caused by solder joints, reflow processes or manual assembly techniques. Designed to support broadband performance up to 40 GHz, these connectors maintain impedance control across different PCB stack-ups and enable easy installation, removal and reuse during iterative development processes.

Features and Benefits

- High performance up to 40 GHz
- Low VSWR
- Solderless PCB mounting eliminates process variability
- Improved measurement accuracy
- Enables easy connector installations
- Connector interface meets MIL-STD-348 standard

Applications

- Microwave and millimeter-wave measurement systems
- High-frequency PCB prototyping
- Aerospace and defense
- 5G
- Research and laboratory development setups

Amphenol RF

Four Old Newtown Road
Danbury, CT 06810

For more information visit www.amphenolrf.com
or call 800.627.7100

Ordering Information

2.92 mm Solderless PCB Connectors

Part Number	Description
292-108J-52S	Vertical PCB Jack Microstrip
292-109J-52S	Vertical PCB Jack Stripline



Also Available:
Precision 2.92 mm Connectors
Pre-configured 2.92 mm Cable Assemblies

Technical Specifications

Electrical

Impedance	50Ω
Frequency Range	DC - 40 GHz
Dielectric Withstanding Voltage	600 VRMS Min
VSWR (Return Loss)	1.40

Environmental

Temperature Range	-65° C to +85° C
RoHS Compliance	Compliant with Exemption 6C

Mechanical

Mating Cycles	500 Min
Coupling Mechanism	Threaded

Materials

Body	Stainless Steel
Contact	Beryllium Copper, Gold Plating
Insulator	Ultem 1000, Natural

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