

RF PCB Connector, RP SMA Female right angle



## RFPCB-RPSMA-FR18G-16

### Configuration

- SMA Female Connector
- 50 Ohms
- Right Angle Body Geometry

### Features

- Max Frequency 18 GHz
- Cu Ni plating Au flash

### Applications

- PCB Applications
- General Purpose Test

### Description

RFPCB-RPSMA-FR18G-16 reverse polarity SMA jack PCB connector available from L-com has a 50 Ohm impedance. This RF connector is designed for a wide variety of Printed-Circuit Board (PCB) applications in RF and microwave systems. The SMA connector is available in a 0.79-inch length, 0.47-inch width, and 0.20-inch height.

This SMA PCB connector has a brass body with Gold over Nickel over Copper plating. Our RFPCB-RPSMA-FR18G-16 SMA connector uses brass contact and Gold over Nickel over Copper plating material. The reverse polarity SMA jack connector uses solder as an attachment method. Additional dimensions and specifications for this SMA jack PCB RF connector are on our downloadable PDF datasheet above.

This L-com SMA jack connector will ship the same day as purchased. Our SMA jack connector is part of over 40,000 RF, microwave, and millimeter wave components in stock for worldwide shipment. We also build SMA custom connector cable assemblies that will ship the same day as well.

This SMA jack connector with 50 Ohm impedance has a weight of 0.02 lbs. The RFPCB-RPSMA-FR18G-16 threaded RF connector has a right angle body style and a high-quality construction. We currently have a variety of antenna, audio/video, Ethernet, fiber optic, and USB connectors in our portfolio that are ready to ship today. For further information on similar products, our expert technical support and knowledgeable sales team can help you get the high-quality RF product that meets your requirements.

### Electrical Specifications

| Description           | Minimum | Typical | Maximum | Units |
|-----------------------|---------|---------|---------|-------|
| Frequency Range       | DC      |         | 18      | GHz   |
| Insulation Resistance | 5,000   |         |         | MOhms |

### Mechanical Specifications

#### Size

|        |                    |
|--------|--------------------|
| Length | 0.79 in [20.07 mm] |
| Width  | 0.47 in [11.94 mm] |
| Height | 0.20 in [5.08 mm]  |
| Weight | 0.02 lbs [9.07 g]  |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:  
[RF PCB Connector, RP SMA Female right angle RFPCB-RPSMA-FR18G-16](#)

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## RFPCB-RPSMA-FR18G-16

### Material Specifications

| Description  | Material | Plating                      |
|--------------|----------|------------------------------|
| Contact      | Brass    | Gold over Nickel over Copper |
| Insulation   | PTFE     |                              |
| Body         | Brass    | Gold over Nickel over Copper |
| Coupling Nut | Brass    | Gold over Nickel over Copper |
| Gasket       | NBR      |                              |
| Washer       | Brass    | Gold over Nickel over Copper |

### Environmental Specifications

**Compliance Certifications** (see [product page](#) for current document)

### Plotted and Other Data

RF PCB Connector, RP SMA Female right angle from L-com has same day shipment for domestic and International orders. Our portfolio includes coaxial cable assemblies, connectors, adapters and custom products as well as lightning and surge protectors, NEMA rated enclosures, and an RF product line which includes antennas, amplifiers, passive, and active components. Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: RF PCB Connector, RP SMA Female right angle RFPCB-RPSMA-FR18G-16

URL: <https://www.l-com.com/rp-sma-jack-right-angle-pcb-connector-solder-attachment-brass-1.65-vswr-rfpcb-rpsma-fr18g-16-p.aspx>

The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to implement improvements. L-com reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. L-com does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and L-com does not assume liability arising out of the use of any part or document. L-com reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. L-com does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and L-com does not assume liability arising out of the use of any part or document.

