

RF PCB Connector, SMB Jack Right Angle Connector Solder Attachment Surface Mount PCB

RA SMB jack connector with solder attachment for surface mount PCB, part number FMCN44121, from Fairview Microwave is in-stock and ships same day. This SMB jack connector operates up to a maximum frequency of 4 GHz. Its right angle body geometry facilitates connections in tight spaces.

Fairview's RA SMB jack connector FMCN44121 datasheet specifications and outline drawing are shown in this PDF below. Our extensive offering of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. From providing an I/O for a board design to creating a custom cable assembly configuration, Fairview Microwave has a connector solution to meet your needs. Fairview Microwave also has the expertise to build your custom cable assemblies for you and ship them same-day.

Electrical Specifications

| Description | Min | Typ | Max | Units |
|---------------------------------------|-------|-----|-------|-------|
| Frequency Range | DC | | 4 | GHz |
| Operating Voltage (AC) | | | 335 | Vrms |
| DWV (AC) | | | 1,000 | Vrms |
| High Potential Voltage at 4 and 7 MHz | | | 600 | Vrms |
| Insulation Resistance | 1,000 | | | MOhms |

Mechanical Specifications

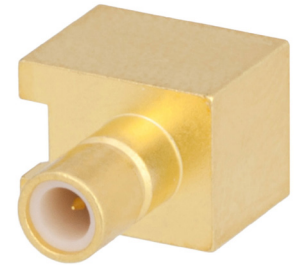
| | |
|---------------|---------------------|
| Size | |
| Length | 0.491 in [12.47 mm] |
| Width/Dia. | 0.25 in [6.35 mm] |
| Height | 0.325 in [8.26 mm] |
| Weight | 0.001 lbs [0.45 g] |
| Mating Cycles | 500 Cycles |

Material Specifications

| Description | Material | Plating |
|-----------------|----------|------------------------------------|
| Contact | Brass | Gold over Nickel 30 µin minimum |
| Insulation | PTFE | |
| Outer Conductor | Brass | Gold over Nickel 10 µin minimum |
| Body | Brass | Gold over Nickel 10 µin minimum |

Environmental Specifications

| | |
|--------------------|-------------------|
| Temperature | |
| Operating Range | -65 to +165 deg C |



Configuration:

- SMB Jack Connector
- MIL-C-39012
- 50 Ohms
- Right Angle Body Geometry
- Surface Mount Interface Type
- Solder Attachment

Features:

- Operating Frequency of 4 GHz Max.
- Gold over Nickel Plated Brass Contact
- 30 µin minimum contact plating

Applications:

- General Purpose Test
- PCB Applications

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| | |
|---------------|--------------------------------------|
| Shock | MIL-STD-202, Method 213, Condition B |
| Vibration | MIL-STD-202, Method 204, Condition B |
| Thermal Shock | MIL-STD-202, Method 107, Condition B |
| Salt Spray | MIL-STD-202, Method 101, Condition B |

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

Plotted and Other Data

Notes:

RF PCB Connector, SMB Jack Right Angle Connector Solder Attachment Surface Mount PCB from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [RF PCB Connector, SMB Jack Right Angle Connector Solder Attachment Surface Mount PCB FMCN44121](#)

URL: <https://www.fairviewmicrowave.com/smb-jack-standard-surface-mount-pcb-connector-fmcn44121-p.aspx>

The information contained in 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. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.

