

RF PCB Connector, SMA Female Connector Solder Attachment End Launch PCB, .030 inch Diameter

SMA female connector with solder attachment for end launch PCB, part number FMCN44208, from Fairview Microwave is in-stock and ships same day. This SMA female connector operates up to a maximum frequency of 18 GHz.

Fairview's SMA female connector FMCN44208 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		18	GHz
Operating Voltage (AC)			335	Vrms
DWV (AC)			1,000	Vrms
High Potential Voltage at 4 and 7 MHz			670	Vrms
Corona Discharge at 70,000 feet			250	Vrms
Insulation Resistance	5,000			MOhms

Mechanical Specifications

Size	
Length	0.687 in [17.45 mm]
Width/Dia.	0.375 in [9.53 mm]
Height	0.262 in [6.65 mm]
Weight	0.008 lbs [3.63 g]
Mating Cycles	500 Cycles

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold over Nickel 50 µin minimum
Insulation	PTFE	
Body	Brass	Gold over Nickel 10 µin minimum

Environmental Specifications

Temperature	
Operating Range	-65 to +165 deg C



Configuration:

- SMA Female Connector
- MIL-C-39012
- 50 Ohms
- Straight Body Geometry
- End Launch Interface Type
- Solder Attachment

Features:

- Operating Frequency of 18 GHz Max.
- Gold over Nickel Plated Beryllium Copper Contact
- 50 µin minimum contact plating

Applications:

- General Purpose Test
- PCB Applications

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Shock	MIL-STD-202, Method 213, Condition I
Vibration	MIL-STD-202, Method 204, Condition D
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, SMA Female Connector Solder Attachment End Launch PCB, .030 inch Diameter 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, SMA Female Connector Solder Attachment End Launch PCB, .030 inch Diameter FMCN44208](#)

URL: <https://www.fairviewmicrowave.com/sma-female-standard-surface-mount-pcb-connector-fmcn44208-p.aspx>

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