

RF PCB Connector, MMCX Plug Connector Solder Attachment Thru Hole PCB, .100 inch x .031 inch Hole Spacing

MMCX plug connector with solder attachment for thru hole PCB (.100 inch x .031 inch hole spacing), part number FMCN44281, from Fairview Microwave is in-stock and ships same day. This MMCX plug connector operates up to a maximum frequency of 6 GHz.

Fairview's MMCX plug connector FMCN44281 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		6	GHz
Operating Voltage (AC)			170	Vrms
DWV (AC)			500	Vrms
High Potential Voltage at 4 and 7 MHz			600	Vrms
Corona Discharge at 70,000 feet			250	Vrms
Insulation Resistance	1,000			MOhms

Mechanical Specifications

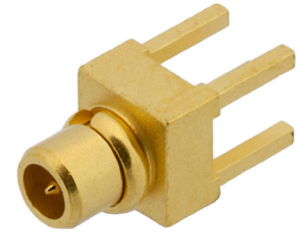
Size	
Length	0.3 in [7.62 mm]
Width/Dia.	0.136 in [3.45 mm]
Height	0.136 in [3.45 mm]
Weight	0.007 lbs [3.18 g]
Mating Cycles	500 Cycles

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold over Nickel 30 µin minimum
Insulation	PTFE	
Body	Brass	Gold over Nickel 10 µin minimum

Environmental Specifications

Temperature	
Operating Range	-55 to +155 deg C



Configuration:

- MMCX Plug Connector
- MIL-C-39012
- 50 Ohms
- Straight Body Geometry
- Thru Hole Interface Type
- Solder Attachment

Features:

- Operating Frequency of 6 GHz Max.
- Gold over Nickel Plated Beryllium Copper Contact
- 30 µin minimum contact plating

Applications:

- General Purpose Test
- Space Saving for PCB Applications

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Humidity	MIL-STD-202, Method 106
Shock	MIL-STD-202, Method 213, Condition B
Vibration	MIL-STD-202, Method 204, Condition D
Thermal Shock	MIL-STD-202, Method 107, Condition C
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, MMCX Plug Connector Solder Attachment Thru Hole PCB, .100 inch x .031 inch Hole Spacing 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, MMCX Plug Connector Solder Attachment Thru Hole PCB, .100 inch x .031 inch Hole Spacing FMCN44281](#)

URL: <https://www.fairviewmicrowave.com/mmcx-plug-thru-hole-pcb-connector-fmcn44281-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.

