

BMA Plug (Male) Slide-On PCB Connector Thru Hole PCB Solder Attachment



FMCN5411

Configuration

- Slide-On BMA Plug Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: Thru Hole PCB

Features

- Operating Frequency of 18 GHz Max.
- Excellent VSWR of 1.2:1
- Blind Mate Connector
- Gold over Nickel over Copper Plated Brass Contact

Applications

- General Purpose Test
- PCB Applications

Description

BMA Plug Slide-On Connector Solder Attachment for Thru hole PCB, part number FMCN5411, from Fairview Microwave is in-stock and ships same day. This BMA plug connector operates up to a maximum frequency of 18 GHz and offers excellent VSWR of 1.2:1. This blind mate connector is ideal for applications without direct visual or tactile access to the connection point, for example, when two circuit boards need to be mated.

Fairview's BMA plug connector FMCN5411 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	Minimum	Typical	Maximum	Units
Frequency Range	DC		18	GHz
VSWR			1.2:1	
Return Loss			0.127	dB
Operating Voltage (AC)			1,000	Vrms
Dielectric Withstanding Voltage (AC)			1,500	Vrms
Inner Conductor DC Resistance			2	mOhms
Outer Conductor DC Resistance			2	mOhms
Insulation Resistance	5,000			MOhms
Impedance		50		Ohms

Mechanical Specifications

Size

Length	0.452 in [11.48 mm]
Width	0.25 in [6.35 mm]
Height	0.25 in [6.35 mm]
Weight	0.003 lbs [1.36 g]
Mating Cycles	1,000 Cycles
Engagement Force	3lbs [1.36kg]
Disengagement Force	1.5lbs [680.39g]

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Thru Hole PCB Solder Attachment**



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Material Specifications

Description	Material	Plating
Contact	Brass	Gold over Nickel over Copper
Insulation	PTFE	
Body	Brass	Gold over Nickel over Copper
Gasket	Silicone	

Environmental Specifications

Temperature

Operating Range

-40 to +165 deg C

Humidity

MIL-STD-202, Method 106

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:

BMA Plug (Male) Slide-On PCB Connector Thru Hole PCB Solder Attachment 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.

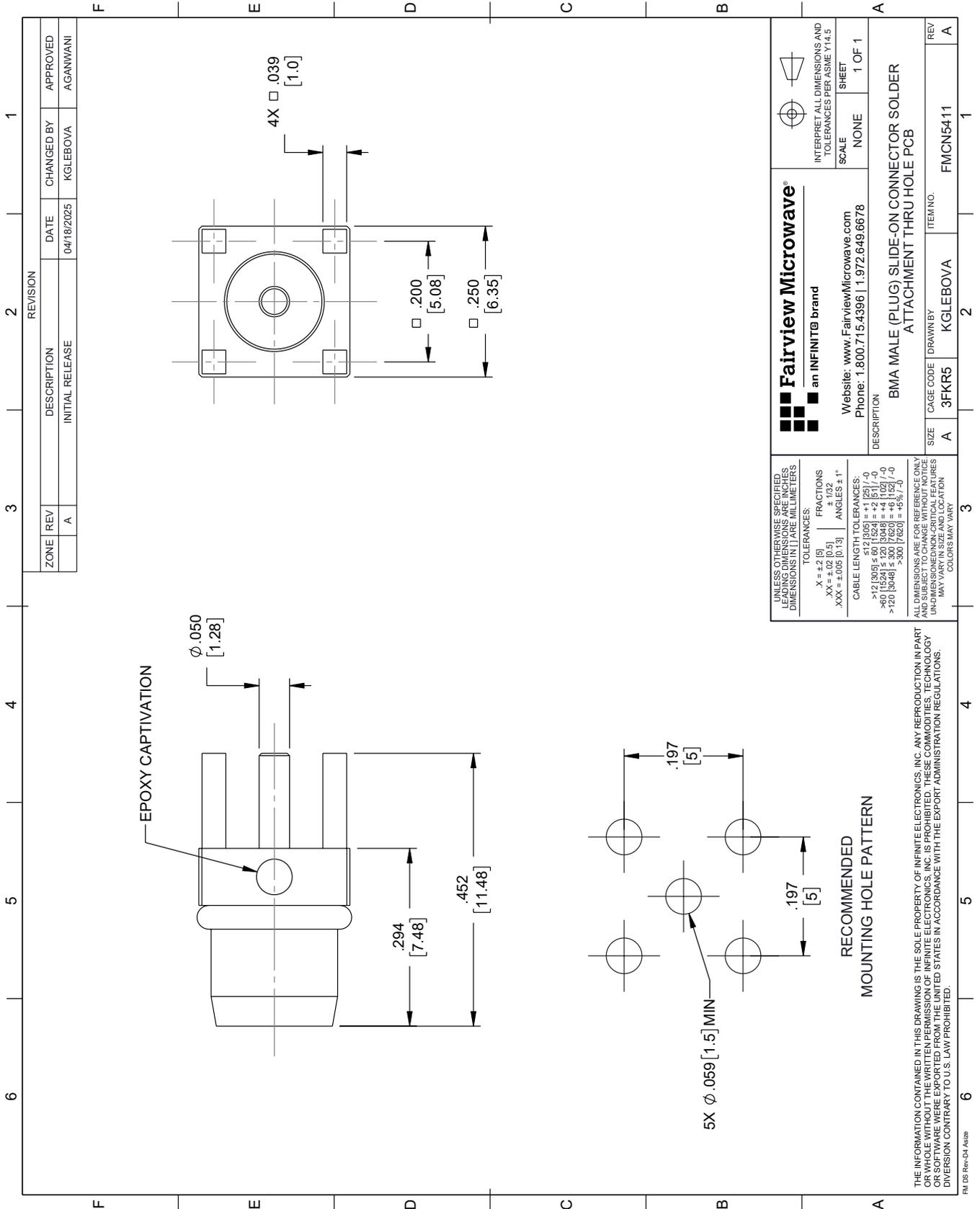
For additional information on this product, please click the following link: [BMA Plug \(Male\) Slide-On PCB Connector Thru Hole PCB Solder Attachment FMCN5411](#)

URL: <https://www.fairviewmicrowave.com/product/rf-connectors/bma-plug-slide-on-thru-hole-pcb-pcb-connector-fmcn5411.html>

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. 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 liability arising out of the use of any part or document.

FMCN5411 CAD Drawing

BMA Plug (Male) Slide-On PCB Connector Thru Hole PCB Solder Attachment



REVISION		DESCRIPTION	DATE	CHANGED BY	APPROVED
ZONE	REV	INITIAL RELEASE	04/18/2025	KGLEBOVA	AGANWANI
A	A				

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INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE: NONE
SHEET: 1 OF 1

DESCRIPTION: BMA MALE (PLUG) SLIDE-ON CONNECTOR SOLDER ATTACHMENT THRU HOLE PCB

REV	A
ITEM NO.	FMCN5411
CAGE CODE	3FKR5
SIZE	A
DRAWN BY	KGLEBOVA

UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES. DIMENSIONS IN [] ARE MILLIMETERS.

TOLERANCES:
 .X = ±.2 [5] FRACTIONS ± 1/32
 .XX = ±.02 [0.5] ANGLES ± 1°
 .XXX = ±.005 [0.13]

CABLE LENGTH TOLERANCES:
 <12 [305] ≤ 60 [1524] = ±.1 [25] / -0
 >60 [1524] ≤ 120 [3048] = ±.4 [102] / -0
 >120 [3048] ≤ 300 [7620] = ±.8 [20] / -0
 >300 [7620] = ±.8% / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNDIMENSIONED/NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.

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FM DS Rev-D4 Alt2