

BMA Plug Slide-On Connector Field Replaceable Attachment 2 Hole Flange , .481 inch Hole Spacing With EMI Gasket

BMA plug slide-on 2 hole flange mount field replaceable connector with EMI gasket (.481 inch hole spacing), part number FMCN1231, from Fairview Microwave is in-stock and ships same day. This BMA plug connector operates up to a maximum frequency of 22 GHz and offers good VSWR of 1.28:1. 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 FMCN1231 2 hole flange BMA connector enables designers to make external connections on product enclosures, and can be used in a variety of other rack mount and panel mount applications. Fairview's field replaceable connector is easy to install or replace in the field.

Fairview's BMA plug 2 hole flange connector FMCN1231 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		22	GHz
VSWR			1.28:1	
Insertion Loss			0.14	dB
Operating Voltage (AC)			350	Vrms
DWV (AC)			1,000	Vrms
Insulation Resistance	5,000			MOhms

Mechanical Specifications

Size	
Length	0.378 in [9.6 mm]
Width/Dia.	0.63 in [16.00 mm]
Height	0.26 in [6.6 mm]
Weight	0.009 lbs [4.08 g]
Mating Cycles	1,000 Cycles

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold 51.18µ in. minimum
Insulation	PTFE	
Outer Conductor	Passivated Stainless Steel	
Body	Passivated Stainless Steel	



Configuration:

- Slide-On BMA Plug Connector
- 50 Ohms
- Straight Body Geometry
- .020 inch Pin Interface Type
- Field Replaceable Attachment
- 2 Hole Flange

Features:

- Operating Frequency of 22 GHz Max.
- Good VSWR of 1.28:1
- Blind Mate Connector
- Gold Plated Beryllium Copper Contact
- 51.18µ in. minimum contact plating
- Low-Engagement Force

Applications:

- General Purpose Test
- Rack and Panel Mount Applications
- RF Backplanes
- Test I/O
- Blind Mating
- Rack and Panel
- Phased Array Systems
- Base Stations

Fairview Microwave
1130 Junction Dr. #100
Allen, TX 75013
Tel: 1-800-715-4396 / (972) 649-6678
Fax: (972) 649-6689
www.fairviewmicrowave.com
sales@fairviewmicrowave.com

Environmental Specifications

Temperature

Operating Range -65 to +105 deg C

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

Plotted and Other Data

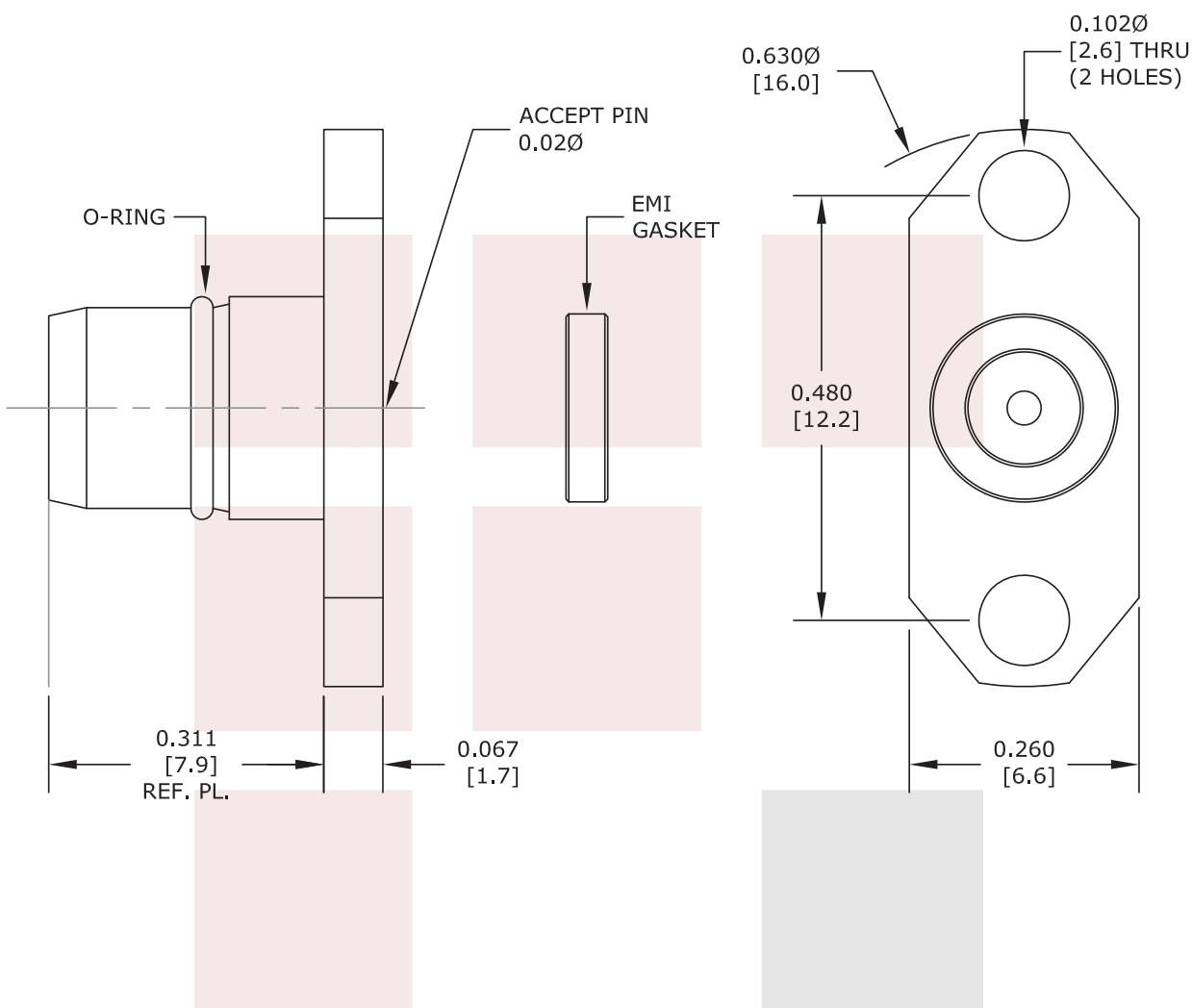
Notes:

BMA Plug Slide-On Connector Field Replaceable Attachment 2 Hole Flange , .481 inch Hole Spacing With EMI Gasket 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 Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [BMA Plug Slide-On Connector Field Replaceable Attachment 2 Hole Flange , .481 inch Hole Spacing With EMI Gasket FMCN1231](#)

URL: <https://www.fairviewmicrowave.com/bma-plug-slide-on-.020-pin-connector-fmcn1231-p.aspx>

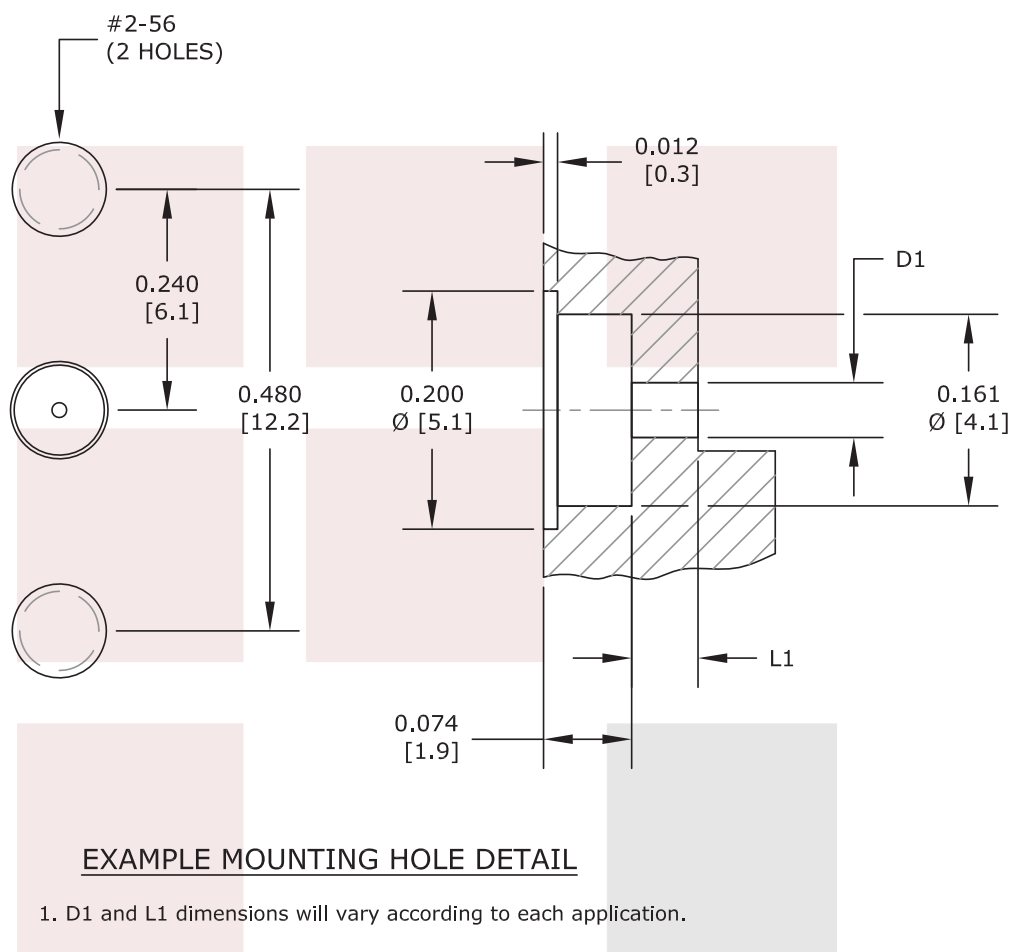
The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Fairview Microwave reserves the right to 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.



STANDARD TOLERANCES	
.X	±0.2
.XX	±0.1
.XXX	±0.05

*STANDARD TOLERANCES APPLY
ONLY TO DIMENSIONS IN INCHES

FAIRVIEW MICROWAVE INC. ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM		NOTES: 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL. 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME. 3. DIMENSIONS ARE IN INCHES [mm].			
TITLE BMA Plug Slide-On Connector Field Replaceable Attachment 2 Hole Flange , .481 inch Hole Spacing With EMI Gasket		DWG NO FMCN1231		CAGE CODE 3FKR5	
CAD FILE	021317	SHEET	SCALE	N/A	SIZE A 2233

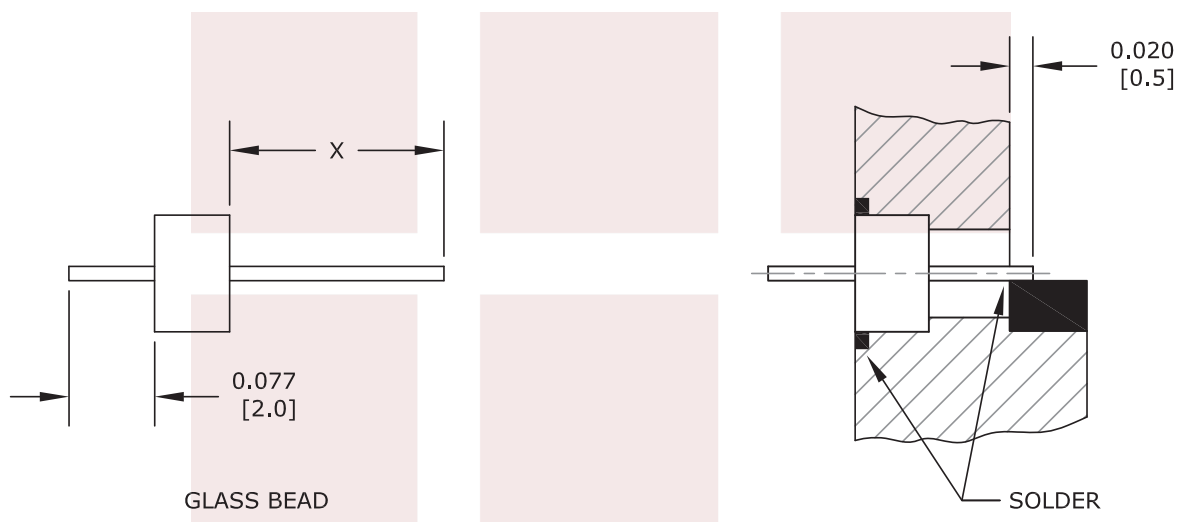


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.XX ±0.1
.XXX ±0.05

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GLASS BEAD (Not Provided With Connector)

1. Adjust X by cutting the pin if necessary.
2. Introduce the glass bead into its housing.
3. Solder the pin onto the substrate and the bead into the housing.
Beware of putting too much solder.

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.XX ±0.1
.XXX ±0.05

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