

**BMA Plug Bulkhead Slide-On Connector Solder/Non-Solder Contact Attachment For RG402, .141 SR Cable**

BMA plug slide-on bulkhead connector with solder/non-solder contact attachment for RG402 and .141 SR, part number FMCN1199, 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 FMCN1199 bulkhead 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 BMA plug bulkhead connector FMCN1199 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.



**Configuration:**

- Slide-On BMA Plug Connector
- 50 Ohms
- Straight Body Geometry
- RG402, .141 SR Interface Type
- Solder/Non-Solder Contact Attachment
- Bulkhead
- 8 mm Hex

**Features:**

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

**Applications:**

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

**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	0.7 in [17.78 mm]
Width/Dia.	0.315 in [8.00 mm]
Weight	0.009 lbs [4.08 g]
Mating Cycles	500 Cycles

**Material Specifications**

Description	Material	Plating
Contact	Bronze	Gold 51.18µ in. minimum
Insulation	PTFE	
Outer Conductor	Brass	Tri-Metal 78.74µ in. minimum
Body	Brass	Tri-Metal 78.74µ in. minimum
Washer	Brass	Tri-Metal

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**Environmental Specifications**

**Temperature**

Operating Range -65 to +125 deg C

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

**Plotted and Other Data**

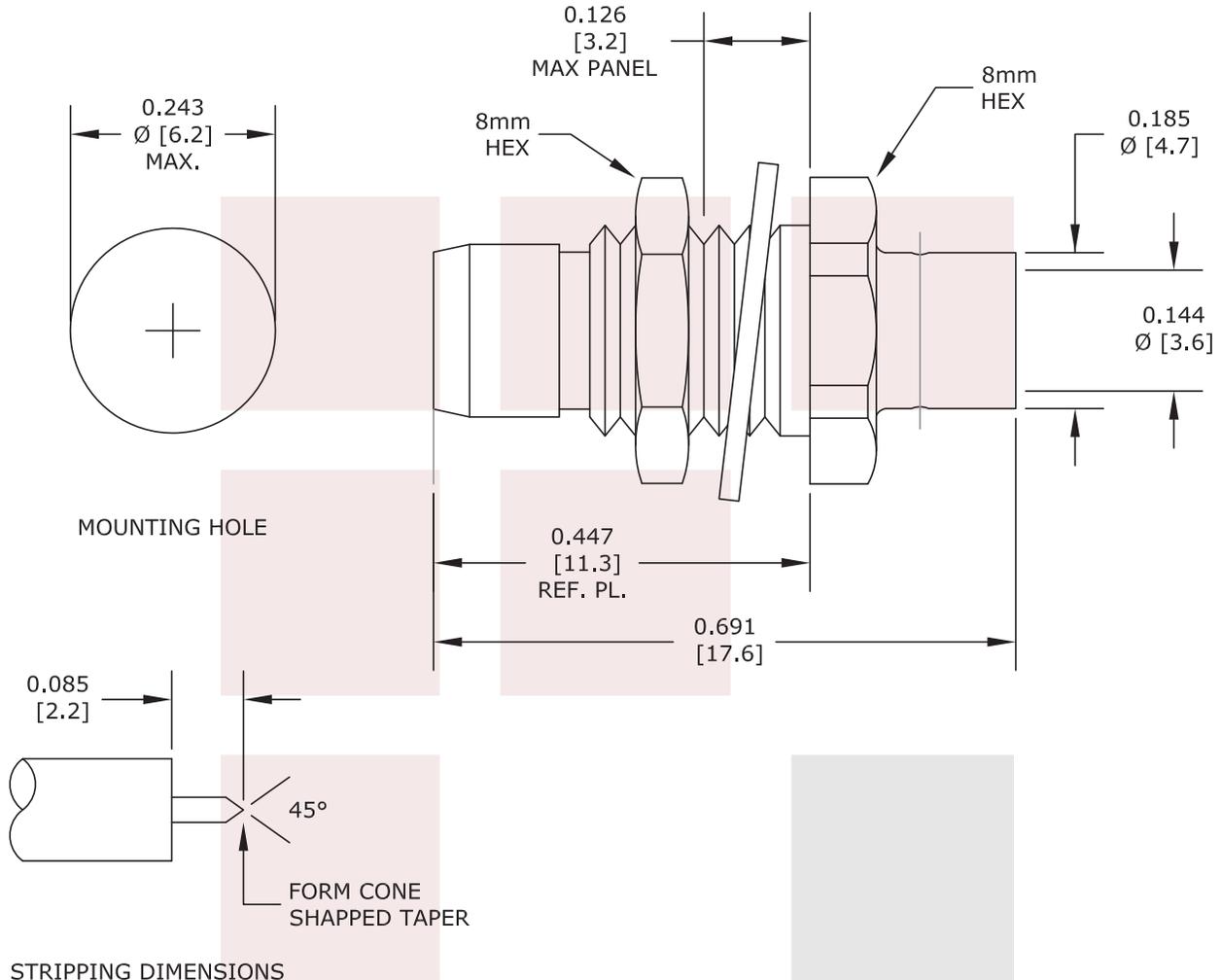
Notes:

BMA Plug Bulkhead Slide-On Connector Solder/Non-Solder Contact Attachment For RG402, .141 SR Cable 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 Bulkhead Slide-On Connector Solder/Non-Solder Contact Attachment For RG402, .141 SR Cable FMCN1199](#)

URL: <https://www.fairviewmicrowave.com/bma-plug-slide-on-rg402-.141-sr-connector-fmcn1199-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.



ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN. DO NOT NICK CENTER CONDUCTOR.
2. SLIDE CABLE INTO CONNECTOR INSURING CENTER CONDUCTOR MATES WITH CENTER PIN.
3. OUTER CONDUCTOR BOTTOMS OUT WITH BODY SHOULDER. SOLDER OUTER CONDUCTOR TO BODY.

STANDARD TOLERANCES

.X ±0.2  
 .XX ±0.1  
 .XXX ±0.05

\*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

<b>FAIRVIEW MICROWAVE INC.</b> 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 Bulkhead Slide-On Connector Solder/Non-Solder Contact Attachment For RG402, .141 SR Cable		DWG NO FMCN1199		CAGE CODE 3FKR5	
CAD FILE	022217	SHEET	SCALE	N/A	SIZE A 2233