

**BMA Jack Snap-On Connector Crimp/Solder Attachment For RG316, RG174, LMR-100 Cable**

BMA jack snap-on connector with crimp/solder attachment for RG316, RG174 and LMR-100, part number FMCN1204, from Fairview Microwave is in-stock and ships same day. This BMA jack connector operates up to a maximum frequency of 12.4 GHz and offers good VSWR of 1.4:1. 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 jack connector FMCN1204 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		12.4	GHz
VSWR			1.4:1	
Insertion Loss			0.1	dB
Operating Voltage (AC)			250	Vrms
DWV (AC)			750	Vrms
Insulation Resistance	5,000			MOhms

**Mechanical Specifications**

Size	
Length	0.97 in [24.64 mm]
Width/Dia.	0.35 in [8.89 mm]
Weight	0.007 lbs [3.18 g]
Mating Cycles	1,000 Cycles

**Material Specifications**

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

**Mechanical Specification Notes:**

Recommended axial float mount for best electrical performance: 0.51 +/- 0.25 mm (.020" +/- .010)



**Configuration:**

- Snap-On BMA Jack Connector
- 50 Ohms
- Straight Body Geometry
- RG316, RG174, LMR-100 Interface Type
- Crimp/Solder Attachment

**Features:**

- Operating Frequency of 12.4 GHz Max.
- Good VSWR of 1.4:1
- Blind Mate Connector
- Gold Plated Beryllium Copper Contact
- 51.18µ in. minimum contact plating
- Low-Engagement Force
- Radial and Axial Float Versions

**Applications:**

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

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**Environmental Specifications**

**Temperature**

Operating Range -55 to +165 deg C

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

**Plotted and Other Data**

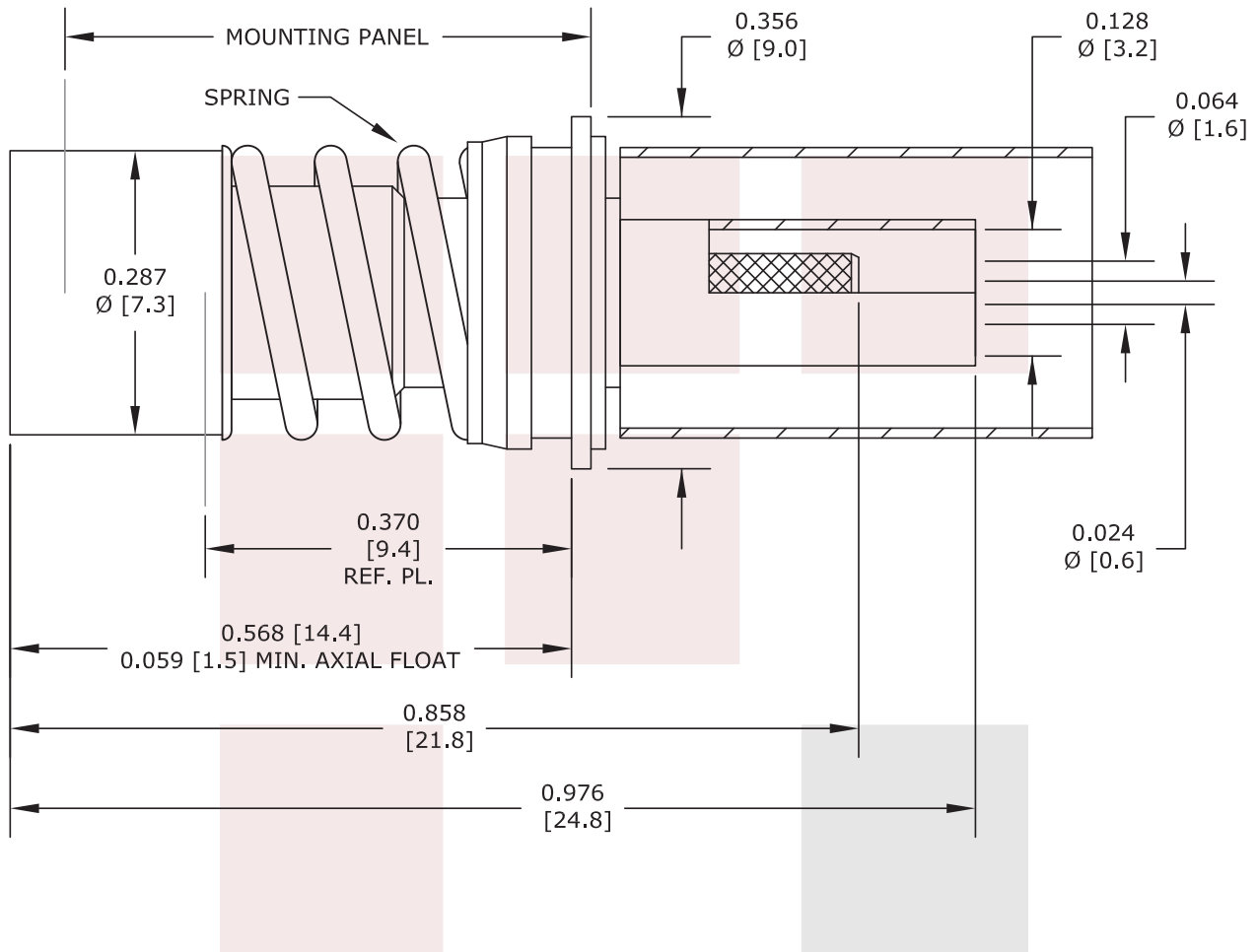
Notes:

BMA Jack Snap-On Connector Crimp/Solder Attachment For RG316, RG174, LMR-100 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 Jack Snap-On Connector Crimp/Solder Attachment For RG316, RG174, LMR-100 Cable FMCN1204](#)

URL: <https://www.fairviewmicrowave.com/bma-jack-snap-on-rg316-rg174-lmr-100-connector-fmcn1204-p.aspx>

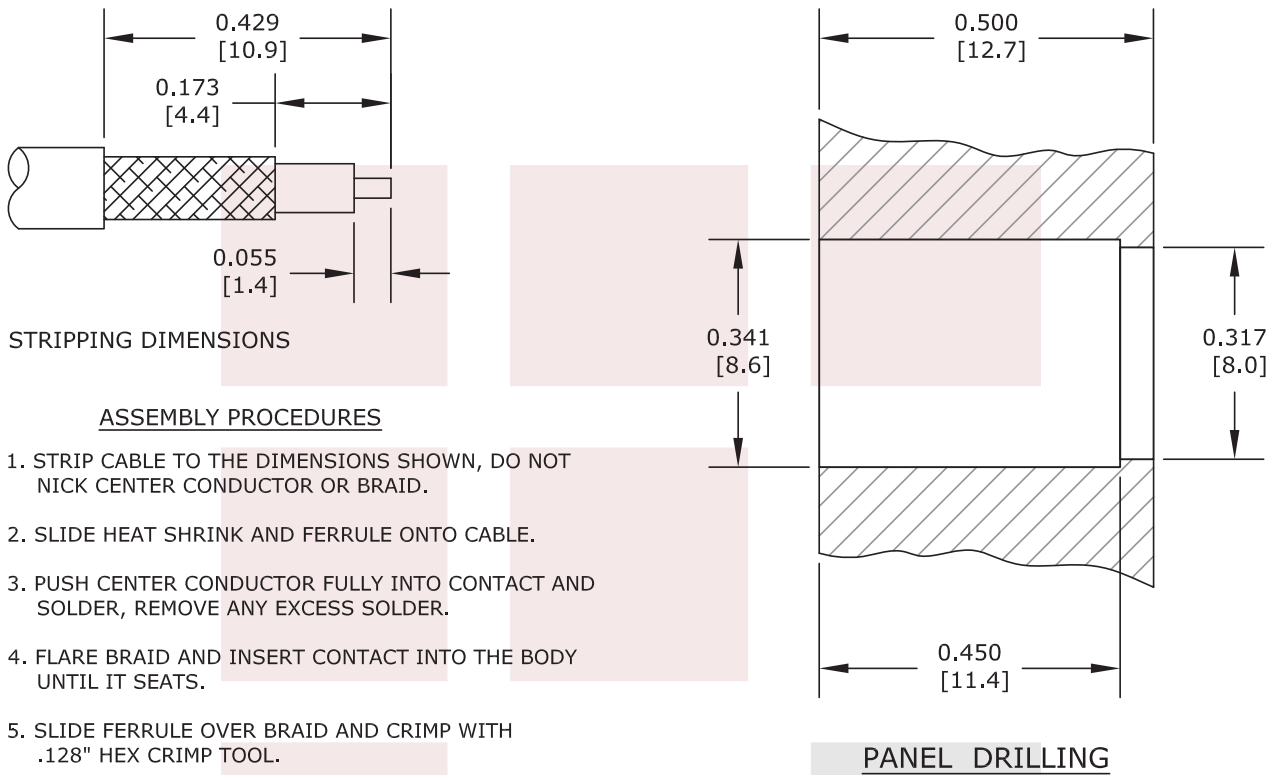
The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Fairview Microwave reserves the right to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

<b>FAIRVIEW MICROWAVE INC.</b>		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].			
ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM		DWG NO <b>FMCN1204</b>		CAGE CODE <b>3FKR5</b>	
TITLE BMA Jack Snap-On Connector Crimp/Solder Attachment For RG316, RG174, LMR-100 Cable		CAD FILE 022017	SHEET	SCALE N/A	SIZE A
				2233	



**STRIPPING DIMENSIONS**

ASSEMBLY PROCEDURES

1. STRIP CABLE TO THE DIMENSIONS SHOWN, DO NOT NICK CENTER CONDUCTOR OR BRAID.
2. SLIDE HEAT SHRINK AND FERRULE ONTO CABLE.
3. PUSH CENTER CONDUCTOR FULLY INTO CONTACT AND SOLDER, REMOVE ANY EXCESS SOLDER.
4. FLARE BRAID AND INSERT CONTACT INTO THE BODY UNTIL IT SEATS.
5. SLIDE FERRULE OVER BRAID AND CRIMP WITH .128" HEX CRIMP TOOL.

PANEL DRILLING

STANDARD TOLERANCES

- .X ±0.2
- .XX ±0.1
- .XXX ±0.05

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