

**BMA Jack D38999 (MIL-DTL-38999) Connector
Solder Attachment for RG405, .086 SR,
RG405 Tinned Cable**

BMA jack snap-on connector with solder/solder attachment for RG405, .086 SR and RG405 Tinned, part number FMCN1210, from Fairview Microwave is in-stock and ships same day. This BMA jack connector operates up to a maximum frequency of 22 GHz and offers good VSWR of 1.27:1. 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 FMCN1210 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			1.27:1	
Insertion Loss			0.14	dB
Operating Voltage (AC)			500	Vrms
DWV (AC)			1,000	Vrms
Insulation Resistance	5,000			MOhms

Mechanical Specifications

Size	
Length	0.84 in [21.34 mm]
Width/Dia.	0.315 in [8.00 mm]
Weight	0.011 lbs [4.99 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	Stainless Steel	Gold 19.68µ in. minimum

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
- RG405, .086 SR, RG405 Tinned Interface Type
- Solder/Solder Attachment

Features:

- Operating Frequency of 22 GHz Max.
- Good VSWR of 1.27:1
- Blind Mate Connector
- Gold Plated Beryllium Copper Contact
- 51.18µ in. minimum contact plating
- IP54 (Mated)
- 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 -40 to +105 deg C
Ingress Protection (IP) Rating IP54(Mated)

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

Plotted and Other Data

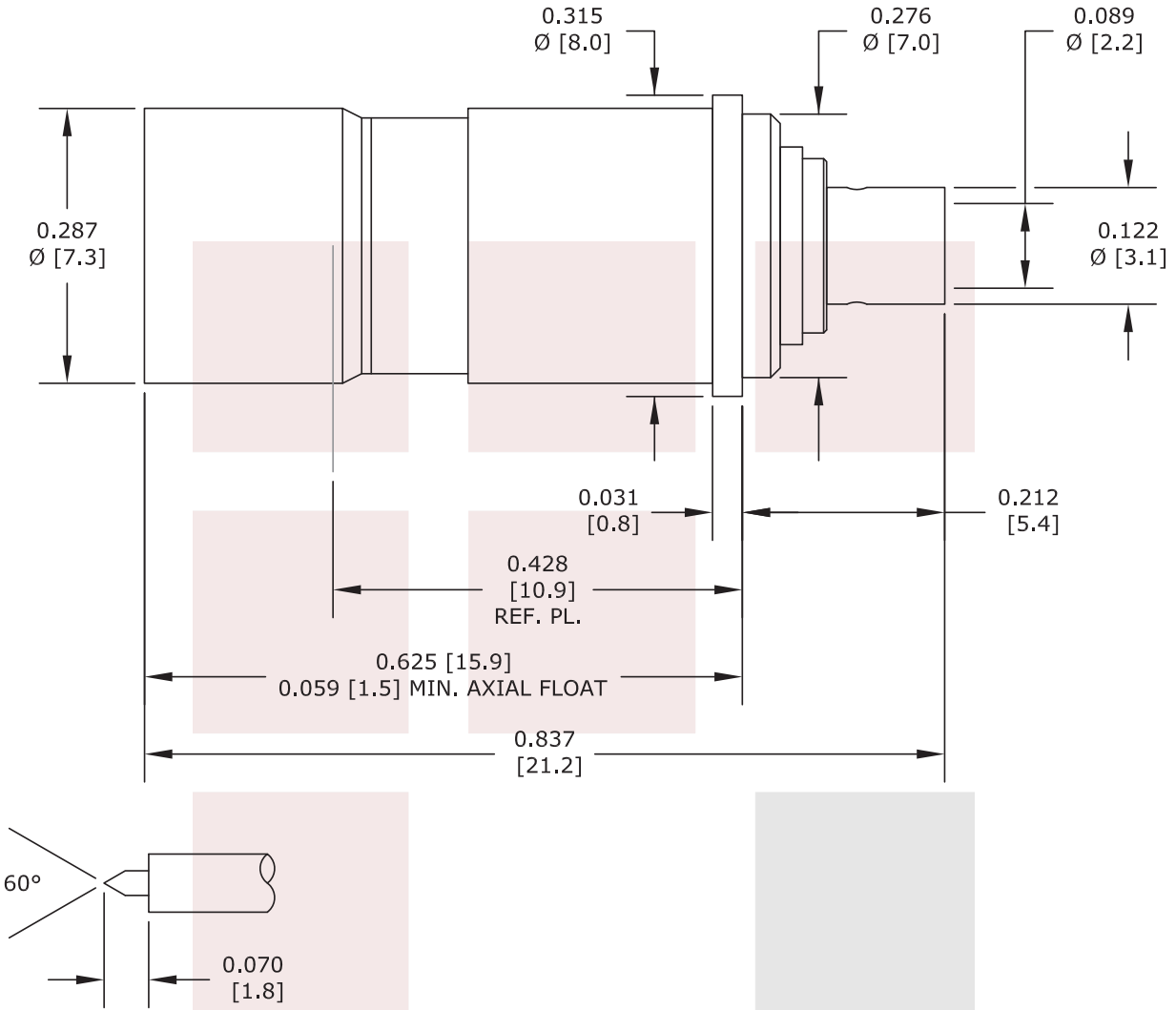
Notes:

BMA Jack D38999 (MIL-DTL-38999) Connector Solder Attachment for RG405, .086 SR, RG405 Tinned 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 D38999 \(MIL-DTL-38999\) Connector Solder Attachment for RG405, .086 SR, RG405 Tinned Cable FMCN1210](#)

URL: <https://www.fairviewmicrowave.com/bma-jack-snap-on-rg405-.086-sr-rg405-tinned-connector-fmcn1210-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.



STRIPPING DIMENSIONS

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

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 Jack D38999 (MIL-DTL-38999) Connector Solder Attachment for RG405, .086 SR, RG405 Tinned Cable		DWG NO FMCN1210		CAGE CODE 3FKR5	
CAD FILE	020817	SHEET	SCALE	N/A	SIZE A 2233