

## SMB Jack Bulkhead Connector Crimp/Solder Attachment for RG174, RG316, RG188, LMR-100, .100 inch Cable



### FMCN5249

#### Configuration

- SMB Jack Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: RG174, RG316, RG188, LMR-100, .100 inch
- Bulkhead

#### Features

- Operating Frequency of 4 GHz Max.
- Good VSWR of 1.3:1
- Gold Plated Brass Contact
- 30 μin minimum contact plating

#### Applications

- General Purpose Test
- Rack and Panel Mount Applications
- Custom Cable Assemblies

#### Description

SMB Jack Bulkhead Standard Bulkhead Connector Crimp/Solder Attachment for RG174, RG316, RG188, LMR-100 and .100 inch Cable, part number FMCN5249, from Fairview Microwave is in-stock and ships same day. This SMB jack connector operates up to a maximum frequency of 4 GHz and offers good VSWR of 1.3:1. Fairview's FMCN5249 bulkhead SMB 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 SMB jack bulkhead connector FMCN5249 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		4	GHz
VSWR			1.3:1	
Operating Voltage (AC)			335	Vrms
Impedance		50		Ohms

#### Mechanical Specifications

##### Size

Length	0.867 in [22.02 mm]
Width	0.25 in [6.35 mm]
Height	0.25 in [6.35 mm]
Weight	0.005 lbs [2.27 g]

SMB Jack Bulkhead Connector Crimp/Solder Attachment  
for RG174, RG316, RG188, LMR-100, .100 inch Cable



**FMCN5249**

**Material Specifications**

Description	Material	Plating
Contact	Brass	Gold 30 µin minimum
Insulation	PTFE	
Body	Brass	Nickel 100 µin minimum

**Environmental Specifications**

**Temperature**

Operating Range -65 to +165 deg C

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

**Plotted and Other Data**

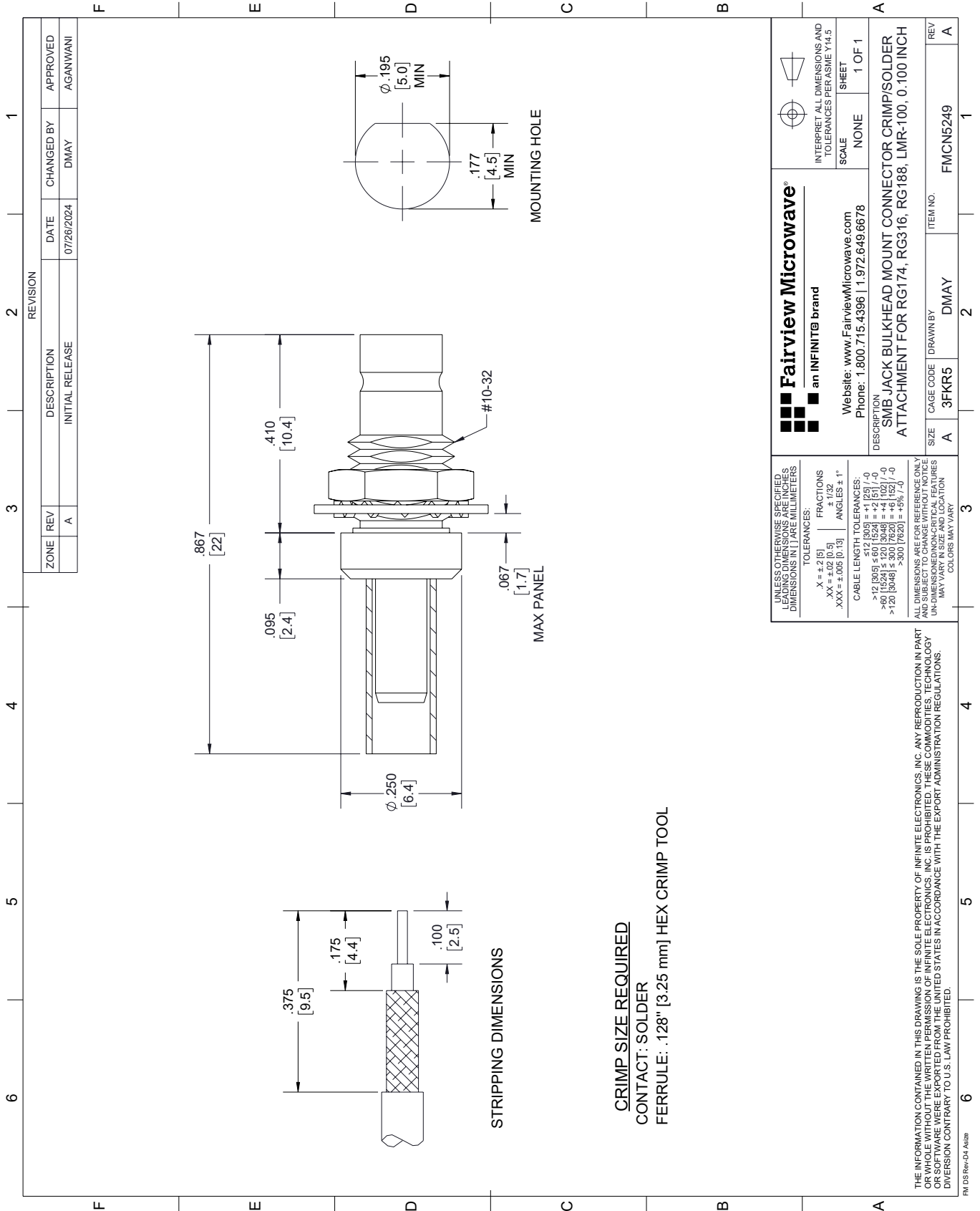
Notes:

SMB Jack Bulkhead Connector Crimp/Solder Attachment for RG174, RG316, RG188, LMR-100, .100 inch 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 Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [SMB Jack Bulkhead Connector Crimp/Solder Attachment for RG174, RG316, RG188, LMR-100, .100 inch Cable FMCN5249](#)

URL: <https://www.fairviewmicrowave.com/smb-jack-rg174-rg316-rg188-lmr-100-.100-connector-fmcn5249-p.aspx>

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 impliment 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.



**CRIMP SIZE REQUIRED**  
**CONTACT: SOLDER**  
**FERRULE: .128" [3.25 mm] HEX CRIMP TOOL**

<b>Fairview Microwave®</b> an INFINIT® brand Website: <a href="http://www.FairviewMicrowave.com">www.FairviewMicrowave.com</a> Phone: 1.800.715.4396   1.972.649.6678		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SCALE: NONE SHEET: 1 OF 1
DESCRIPTION: <b>SMB JACK BULKHEAD MOUNT CONNECTOR CRIMP/SOLDER ATTACHMENT FOR RG174, RG316, RG188, LMR-100, 0.100 INCH</b>		
SIZE: A CAGE CODE: 3FKR5 DRAWN BY: DMAY	ITEM NO.: FMCN5249	REV: A

UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES. DIMENSIONS IN [ ] ARE IN 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 (2.5) / -0  
 >60 [1524] ≤ 120 [3048] = ±.1 (2.5) / -0  
 >120 [3048] ≤ 300 [7620] = ±.1 (2.5) / -0  
 >300 [7620] = ±.25 (6.35) / -0  
 ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNLESS OTHERWISE SPECIFIED, DIMENSIONS MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.

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