

BMMA Male (Plug) Bulkhead Connector Solder Attachment
for FM-SR086CU, FM-SR086CUTN, FM-SR086ALTN,
FM-SR086TB, FM-SR086TBJ, 0.085 Cable



FMCN5137

Configuration

- BMMA Male Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: FM-SR086CU, FM-SR086CUTN, FM-SR086ALTN, FM-SR086TB, FM-SR086TBJ, FM-F086, 0.085 Cable, RG405
- Bulkhead

Features

- Operating Frequency of 28 GHz Max.
- Good VSWR of 1.35:1
- Gold Plated Beryllium Copper Contact

Applications

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

Description

BMMA Male Bulkhead Standard Bulkhead Connector Solder Attachment for FM-SR086CU, FM-SR086CUTN, FM-SR086ALTN, FM-SR086TB, FM-SR086TBJ, FM-F086, 0.085 Cable and RG405 Cable, part number FMCN5137, from Fairview Microwave is in-stock and ships same day. This BMMA male connector operates up to a maximum frequency of 28 GHz and offers good VSWR of 1.35:1. Fairview's FMCN5137 bulkhead BMMA 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 BMMA male bulkhead connector FMCN5137 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 | | 28 | GHz |
| VSWR | | | 1.35:1 | |
| Insertion Loss | | | 0.529 | dB |
| Impedance | | 50 | | Ohms |

Mechanical Specifications

Size

- Length 0.6 in [15.24 mm]
- Width 0.3 in [7.62 mm]
- Height 0.3 in [7.62 mm]
- Weight 0.004 lbs [1.81 g]
- Mating Cycles 500 Cycles

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Material Specifications

| Description | Material | Plating |
|-----------------|------------------|---------|
| Contact | Beryllium Copper | Gold |
| Insulation | PTFE | |
| Outer Conductor | Beryllium Copper | Gold |
| Body | Stainless Steel | Gold |

Environmental Specifications

Temperature

Operating Range -65 to +165 deg C

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

Plotted and Other Data

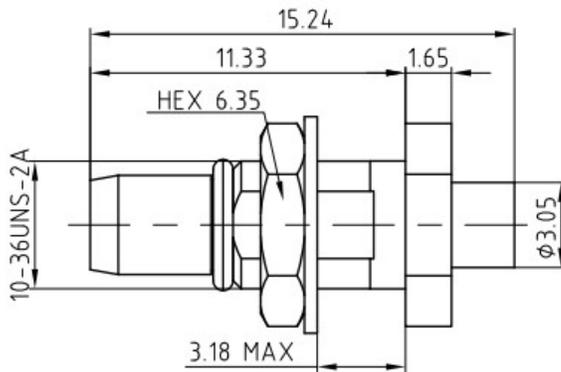
Notes:

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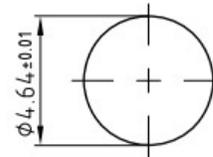


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Assembly Instruction

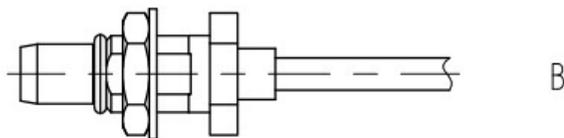
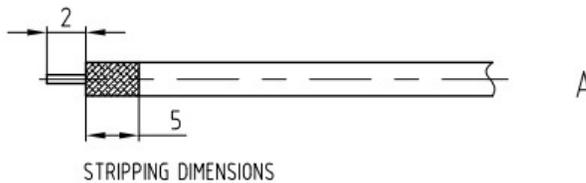


RECOMMENDED MOUNTING HOLE



ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN IN (A). DO NOT NICK INNER CONDUCTOR.
2. PRE-TIN CABLE JACKET TO APPROXIMATE DIMENSION AS SHOWN IN (A).
3. INSERT CABLE THRU ADAPTER UNTIL IT BOTTOMS. SOLDER



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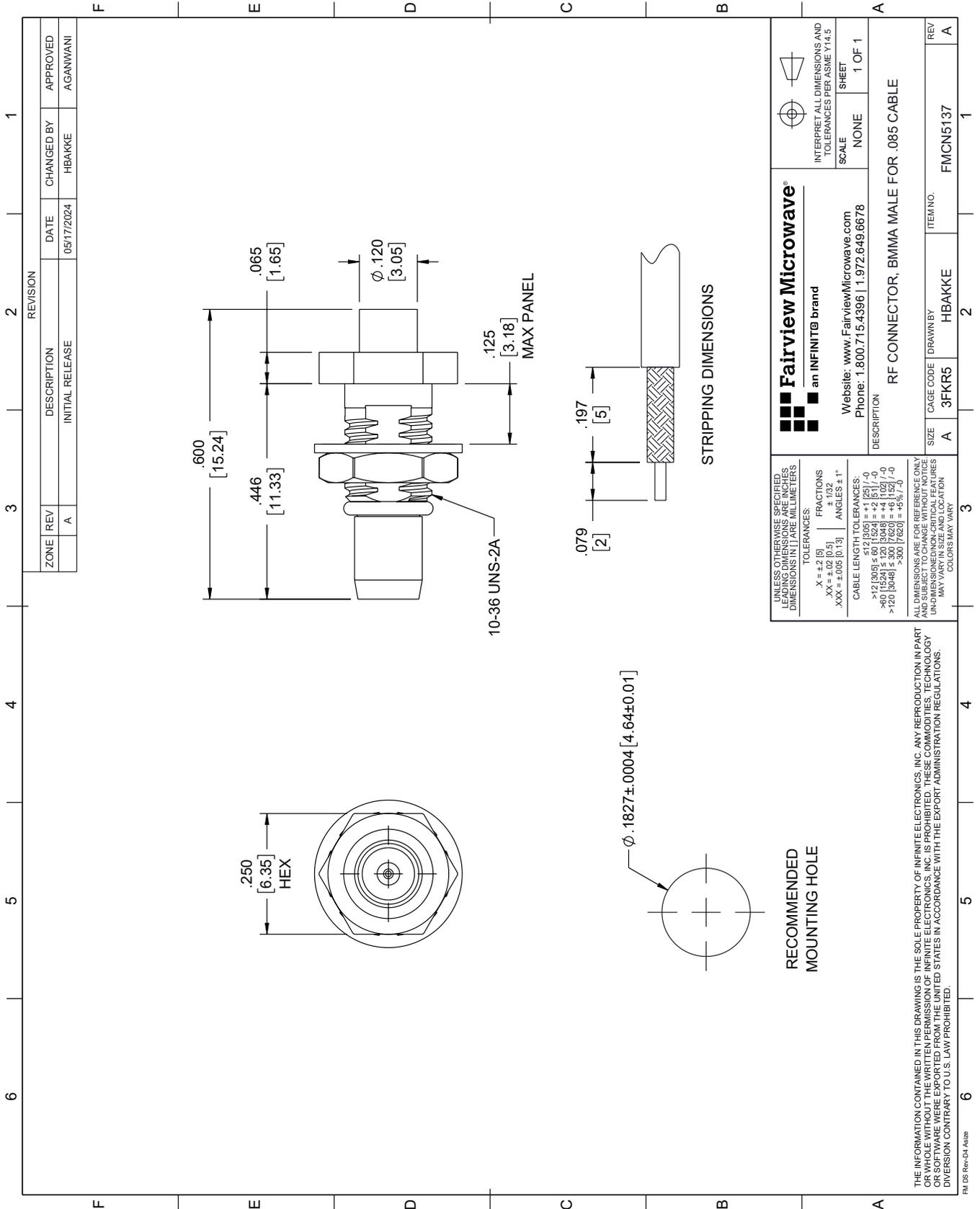
For additional information on this product, please click the following link: [BMMA Male \(Plug\) Bulkhead Connector Solder Attachment for FM-SR086CU, FM-SR086CUTN, FM-SR086ALTN, FM-SR086TB, FM-SR086TBJ, 0.085 Cable FMCN5137](https://www.fairviewmicrowave.com/bmma-male-connector-fmcn5137-p.aspx)

URL: <https://www.fairviewmicrowave.com/bmma-male-connector-fmcn5137-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 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 liability arising out of the use of any part or document.

FMCN5137 CAD Drawing

BMMA Male (Plug) Bulkhead Connector Solder Attachment for FM-SR086CU, FM-SR086CUTN, FM-SR086ALTN, FM-SR086TB, FM-SR086TBJ, 0.085 Cable



| REVISION | | DATE | CHANGED BY | APPROVED |
|----------|-----|-------------|-----------------|----------|
| ZONE | REV | DESCRIPTION | INITIAL RELEASE | |
| | A | | | AGANWANI |

| | | | |
|---|-----------|---|--|
| Fairview Microwave an INFINITI [®] brand | | Website: www.FairviewMicrowave.com 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: RF CONNECTOR, BMMA MALE FOR .085 CABLE | | | |
| SIZE | CAGE CODE | DRAWN BY | ITEM NO. |
| A | 3FKR5 | HBAKKE | FMCN5137 |
| REV | | | A |

UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES. DIMENSIONS IN [] ARE 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 [25] / -0 |
| >60 [1524] ≤ 120 [3048] = +.4 [102] / -0 |
| >120 [3048] ≤ 300 [7620] = +.8 [20] / -0 |

ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNDIMENSIONED NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.

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FM DS Rev-D4 Alt2