

### MMCX Jack Connector Solder Attachment for FM-SR086ALTN, FM-SR086TB, FM-SR086TBJ, FM-SR086CUTN, RG405

MMCX jack connector with solder attachment for FM-SR086ALTN, FM-SR086TB, FM-SR086TBJ, FM-SR086CUTN and RG405, part number FMCN1851, from Fairview Microwave is in-stock and ships same day. This MMCX jack connector operates up to a maximum frequency of 6 GHz and offers good VSWR of 1.4:1.

Fairview's MMCX jack connector FMCN1851 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		6	GHz
VSWR			1.4:1	
Operating Voltage (AC)			170	Vrms
DWV (AC)			500	Vrms

#### Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Freq. Range	DC to 4	4 to 6				GHz
VSWR, Max	1.15:1	1.4:1				

#### Mechanical Specifications

<b>Size</b>	
Length	0.49 in [12.45 mm]
Width/Dia.	0.162 in [4.11 mm]
Height	0.118 in [3 mm]
Weight	0.003 lbs [1.36 g]
Mating Cycles	500 Cycles

#### Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold
Insulation	PTFE	
Body	Brass	Gold

#### Environmental Specifications

##### Temperature

Operating Range	-65 to +165 deg C
Humidity	MIL-STD-202, Method 103, Condition B



#### Configuration:

- MMCX Jack Connector
- 50 Ohms
- Straight Body Geometry
- FM-SR086ALTN, FM-SR086TB, FM-SR086TBJ, FM-SR086CUTN, RG405 Interface Type
- Solder Attachment

#### Features:

- Operating Frequency of 6 GHz Max.
- Good VSWR of 1.4:1
- Gold Plated Beryllium Copper Contact

#### Applications:

- General Purpose Test
- Custom Cable Assemblies

Fairview Microwave  
301 Leora Ln., Suite 100  
Lewisville, TX 75056  
Tel: 1-800-715-4396 / (972) 649-6678  
Fax: (972) 649-6689  
[www.fairviewmicrowave.com](http://www.fairviewmicrowave.com)  
[sales@fairviewmicrowave.com](mailto:sales@fairviewmicrowave.com)

Shock  
Salt Spray

MIL-STD-202, Method 213, Condition B  
MIL-STD-202, Method 101, Condition B

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

### Plotted and Other Data

Notes:

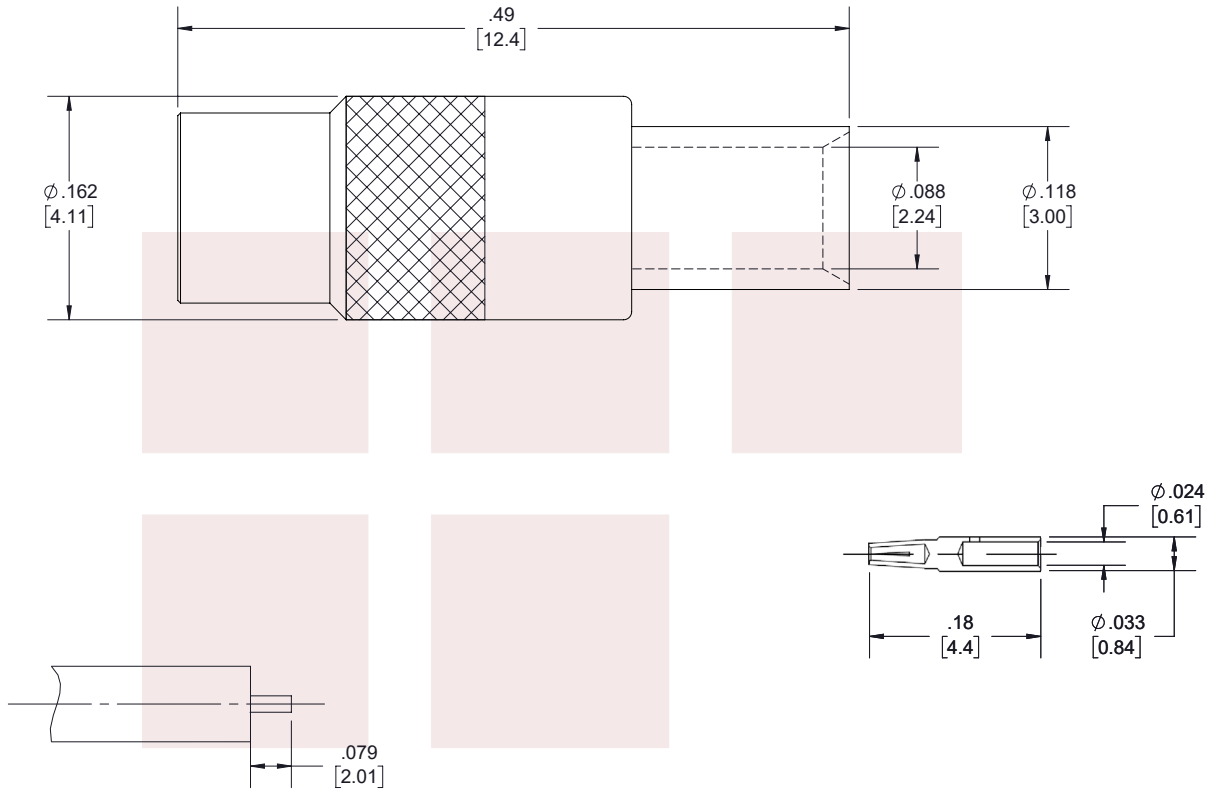
MMCX Jack Connector Solder Attachment for FM-SR086ALTN, FM-SR086TB, FM-SR086TBJ, FM-SR086CUTN, RG405 from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [MMCX Jack Connector Solder Attachment for FM-SR086ALTN, FM-SR086TB, FM-SR086TBJ, FM-SR086CUTN, RG405 FMCN1851](#)

URL: <https://www.fairviewmicrowave.com/mmcx-jack-fm-sr086altn-fm-sr086tb-fm-sr086tbj-fm-sr086cutn-rg405-connector-fmcn1851-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.

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	02/11/2022	AGANWANI



**STRIPPING DIMENSIONS**

**ASSEMBLY PROCEDURES:**

1. STRIP CABLE AS SHOWN. DO NOT NICK CENTER CONDUCTOR.
2. SOLDER CONTACT CRNTER CONDUCTOR.
3. INSERT CABLE INTO BODY, UNTIL CONTACT SEATS IN PLACE. SOLDER OUTER CONTACTOR TO BODY.

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TITLE

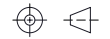
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UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES  
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES: CABLE LENGTH (L) TOLERANCES:

.X = ±.2 [5.08]	FRACTIONS	L ≤ 12 [305] = +1 [25] / -0
.XX = ±.02 [.51]	± 1/32	12 [305] < L ≤ 60 [1524] = +2 [51] / -0
.XXX = ±.005 [.13]	ANGLES ± 1°	60 [1524] < L ≤ 120 [3048] = +4 [102] / -0
		120 [3048] < L ≤ 300 [7620] = +6 [152] / -0
		300 [7620] < L = +5%L / -0

THIRD-ANGLE PROJECTION



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SHEET 1 OF 1

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

SCALE N/A

SIZE A	CAGE CODE 3FKR5	DRAWN BY K.GLEBOVA	ITEM NO. FMCN1851	REV A
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