

## MMCX Jack Connector Crimp/Solder Attachment for RG178, RG196

MMCX jack connector with crimp/solder attachment for RG178 and RG196, part number FMCN1850, from Fairview Microwave is in-stock and ships same day. This MMCX jack connector operates up to a maximum frequency of 3 GHz and offers excellent VSWR of 1.22:1.

Fairview's MMCX jack connector FMCN1850 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		3	GHz
VSWR			1.22:1	
Operating Voltage (AC)			170	Vrms

### Mechanical Specifications

<b>Size</b>	
Length	0.46 in [11.68 mm]
Width/Dia.	0.138 in [3.51 mm]
Height	0.138 in [3.51 mm]
Weight	0.006 lbs [2.72 g]

### Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold 30 µin minimum
Insulation	PTFE	
Body	Brass	Gold 3 µin minimum

### Environmental Specifications

#### Temperature

Operating Range -55 to +155 deg C

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

### Plotted and Other Data

Notes:



### Configuration:

- MMCX Jack Connector
- BS EN 122340
- 50 Ohms
- Straight Body Geometry
- RG178, RG196 Interface Type
- Crimp/Solder Attachment

### Features:

- Operating Frequency of 3 GHz Max.
- Excellent VSWR of 1.22:1
- Gold Plated Beryllium Copper Contact
- 30 µin minimum contact plating

### Applications:

- General Purpose Test
- Custom Cable Assemblies

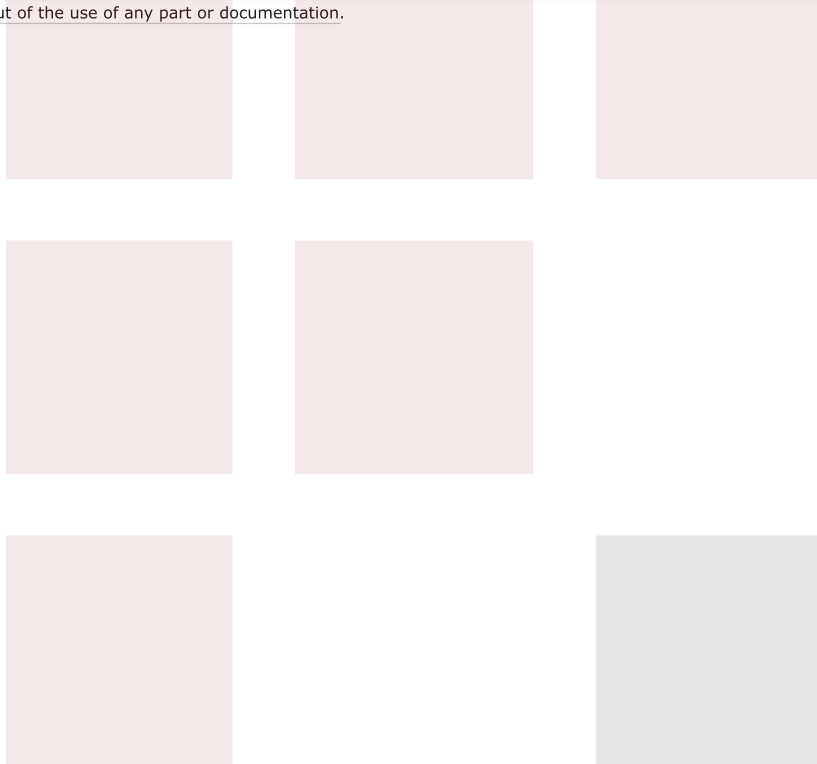
Fairview Microwave  
301 Leora Ln., Suite 100  
Lewisville, TX 75056  
Tel: 1-800-715-4396 / (972) 649-6678  
Fax: (972) 649-6689  
[www.fairviewmicrowave.com](http://www.fairviewmicrowave.com)  
[sales@fairviewmicrowave.com](mailto:sales@fairviewmicrowave.com)

MMCX Jack Connector Crimp/Solder Attachment for RG178, RG196 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.

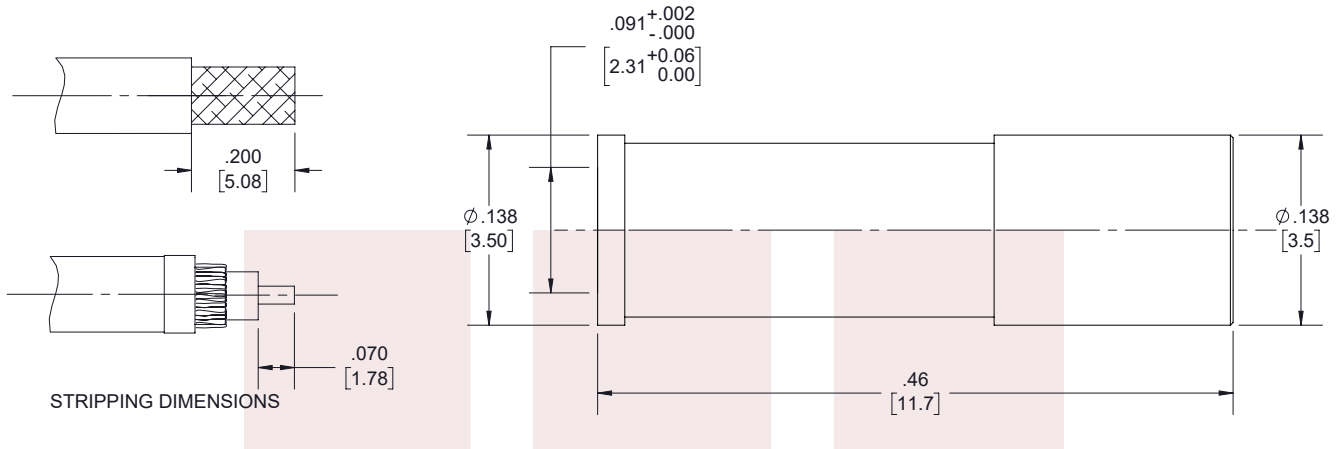
For additional information on this product, please click the following link: [MMCX Jack Connector Crimp/Solder Attachment for RG178, RG196 FMCN1850](#)

URL: <https://www.fairviewmicrowave.com/mmcx-jack-rg178-rg196-connector-fmcn1850-p.aspx>

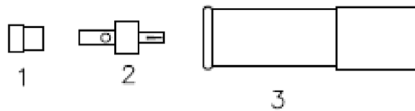
The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Fairview Microwave reserves the right to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



### ASSEMBLY PROCEDURES



1. STRIP CABLE AS SHOWN. DO NOT NICK BRAID WHILE CUTTING JACKET.
2. SLIDE INSERT (1) OVER BRAID AND AGAINST THE JACKET, FROM BRAID OVER INSERT (1). TRIM BRAID BACK TO SHOULDER. CUT DIELECTRIC AND CENTER CONDUCTOR TO DIMENSION SHOWN. TIN CENTER CONDUCTOR.
3. SOLDER CONTACT (2), TO CENTER CONDUCTOR REMOVE EXCESS SOLDER, SLIDE BODY OVER CONTACT AND INSERT (1). THEN CRIMP BODY (3).

CRIMP SIZE REQUIRED:

FERRULE: .100" [2.54] HEX. CRIMP TOOL.

THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.

TITLE

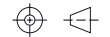
MMCX Jack Connector Crimp/Solder Attachment for RG178, RG196

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



THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF FAIRVIEW MICROWAVE CORPORATION. ALL RIGHTS RESERVED.

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. FMCN1840	REV A
-----------	--------------------	-----------------------	----------------------	----------

T-Rev.D