

SMA Female (Jack) Connector Crimp Attachment for RG58CU, LMR-195, TCOM-195, LMR-195-LLPL, LMR-195-UF, LMR-LW195, RG303HV Cable



FMCN5130

Configuration

- SMA Female Connector
- 50 Ohms
- Connector Interface Types: RG58CU, LMR-195, LMR-195-FR, LMR-195-LLPL, LMR-195-UF, LMR-LW195, RG303HV, TCOM-195, TCOM-195-FR

Features

- Operating Frequency of 6 GHz Max.
- Gold Plated Beryllium Copper Contact

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

SMA Female Connector Crimp Attachment for RG58CU, LMR-195, LMR-195-FR, LMR-195-LLPL, LMR-195-UF, LMR-LW195, RG303HV, TCOM-195 and TCOM-195-FR Cable, part number FMCN5130, from Fairview Microwave is in-stock and ships same day. This SMA female connector operates up to a maximum frequency of 6 GHz.

Fairview's SMA female connector FMCN5130 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		6	GHz
VSWR		1.25:1		
Insulation Resistance	5,000			MOhms
Impedance		50		Ohms

Mechanical Specifications

Size

Length	0.91 in [23.11 mm]
Width	0.36 in [9.14 mm]
Height	0.31 in [7.87 mm]
Weight	0.0076 lbs [3.45 g]

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold
Insulation	PTFE	
Body	Brass	Tri-metal
Crimp Sleeve	Brass	Tri-metal

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Environmental Specifications

Temperature

Operating Range

-40 to +155 deg C

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

Plotted and Other Data

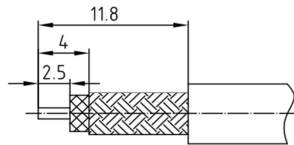
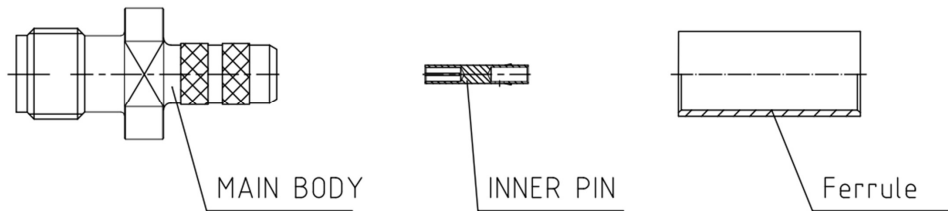
Notes:

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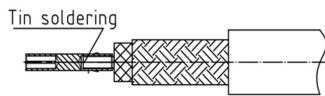
FMCN5130



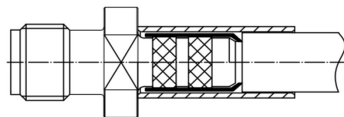
Assembly Instruction



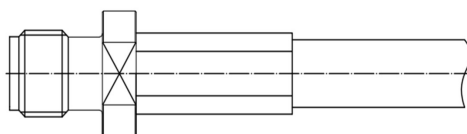
- 1.A. Stripping dimension is as shown by diagram, attention should be paid while stripping.
- B. Remove residual burr.



- 2.A. Solder inner conduct.
- B. Remove residual burr.



- 3.Put the connector in place, Then push the ferrule.



- 4.A. Compression crimping sleeve
- B. Push the heat shrink tube,blow it with heat gun.

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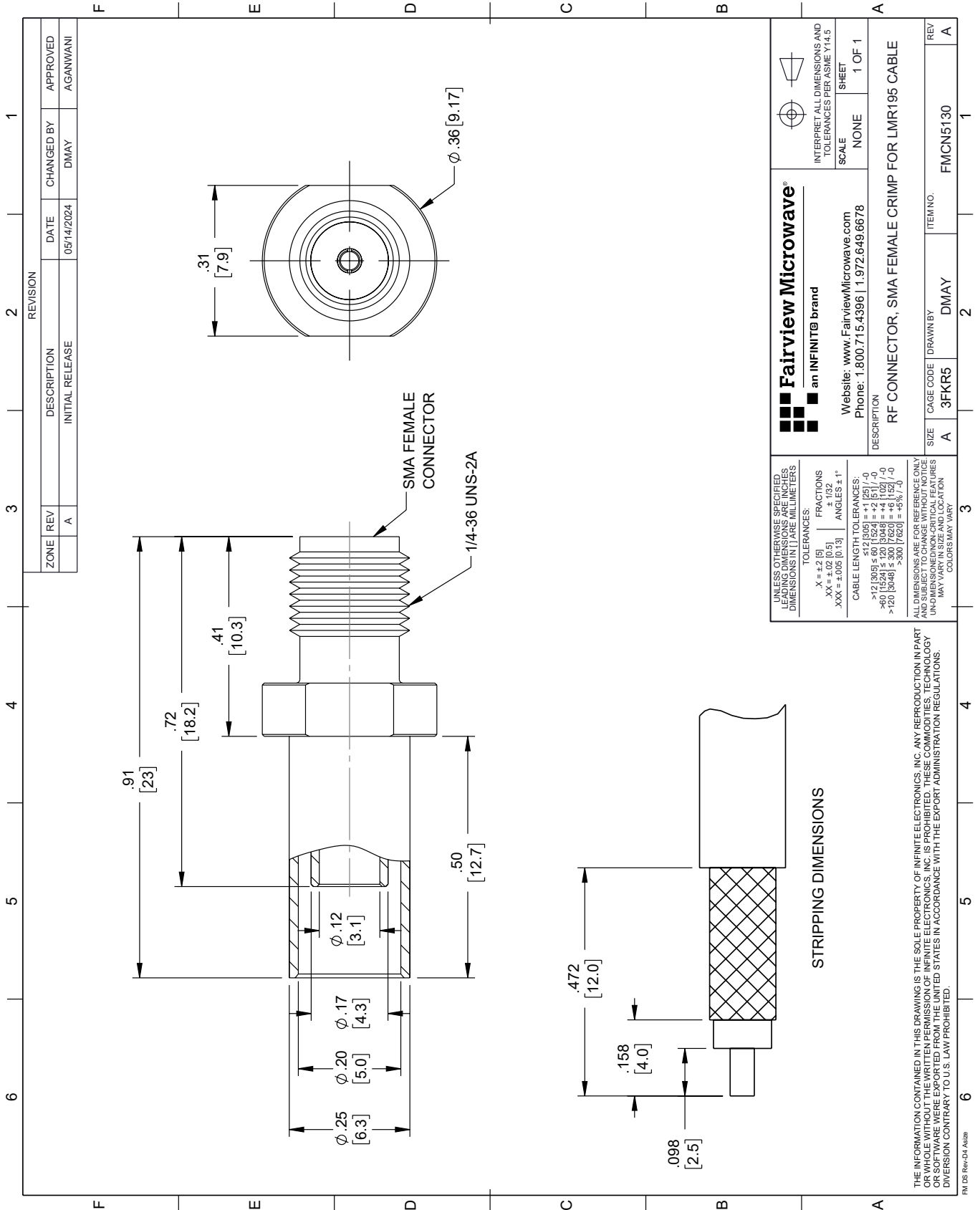
For additional information on this product, please click the following link: [SMA Female \(Jack\) Connector Crimp Attachment for RG58CU, LMR-195, TCOM-195, LMR-195-LLPL, LMR-195-UF, LMR-LW195, RG303HV Cable FMCN5130](https://www.fairviewmicrowave.com/sma-female-lmr195-connector-fmcn5130-p.aspx)

URL: <https://www.fairviewmicrowave.com/sma-female-lmr195-connector-fmcn5130-p.aspx>

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FMCN5130 CAD Drawing

SMA Female (Jack) Connector Crimp Attachment for RG58CU, LMR-195, TCOM-195, LMR-195-LLPL, LMR-195-UF, LMR-LW195, RG303HV Cable



REVISION		DATE	CHANGED BY	APPROVED	
ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	05/14/2024	DMAY	AGANWANI

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INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE: NONE
SHEET: 1 OF 1

DESCRIPTION: RF CONNECTOR, SMA FEMALE CRIMP FOR LMR195 CABLE

SIZE: A
CAGE CODE: 3FKR5
DRAWN BY: DMAY
ITEM NO.: FMCN5130

REV: A

UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES AND DIMENSIONS IN [] ARE MILLIMETERS.

TOLERANCES:
 .X = ±.2 [5]
 .XX = ±.02 [0.5]
 .XXX = ±.005 [0.13]

FRACTIONS: ± 1/32
 ANGLES: ± 1°

CABLE LENGTH TOLERANCES:
 <12 [305] ≤ 60 [1524] = ±.1 [25] / -0
 >12 [305] ≤ 120 [3048] = ±.2 [51] / -0
 >60 [1524] ≤ 120 [3048] = ±.4 [102] / -0
 >120 [3048] ≤ 300 [7620] = ±.8 [203] / -0
 >300 [7620] = ±.8% / -0

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

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PM DS Rev-D4 Alt2