

N Male Connector Crimp/Solder Attachment for RG58, RG141, RG303, LMR-195, .195 inch Cable



FMCN5303

Configuration

- N Male Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: RG58, RG141, RG303, LMR-195, .195 inch

Features

- Operating Frequency of 11 GHz Max.
- Good VSWR of 1.45:1
- Gold Plated Brass Contact
- Contact plating according to ASTM B488

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Type N Male Standard Connector Crimp/Solder Attachment for RG58, RG141, RG303, LMR-195 and .195 inch Cable, part number FMCN5303, from Fairview Microwave is in-stock and ships same day. This type N male connector operates up to a maximum frequency of 11 GHz and offers good VSWR of 1.45:1.

Fairview's type N male connector FMCN5303 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		11	GHz
VSWR			1.45:1	
Operating Voltage (AC)			1,000	Vrms
Dielectric Withstanding Voltage (AC)			1,500	Vrms
Insulation Resistance	5,000			MOhms
Impedance		50		Ohms

Mechanical Specifications

Size

Length	1.43 in [36.32 mm]
Width	0.8 in [20.32 mm]
Height	0.8 in [20.32 mm]
Weight	0.068 lbs [30.84 g]
Mating Cycles	500 Cycles

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Material Specifications

Description	Material	Plating
Contact	Brass	Gold ASTM B488
Insulation	PTFE	
Body	Brass	Nickel QQ-N-290
Coupling Nut	Brass	Nickel QQ-N-290
Gasket	Silicone Rubber	

Environmental Specifications

Temperature

Operating Range -65 to +165 deg C

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

Plotted and Other Data

Notes:

N Male Connector Crimp/Solder Attachment for RG58, RG141, RG303, LMR-195, .195 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.

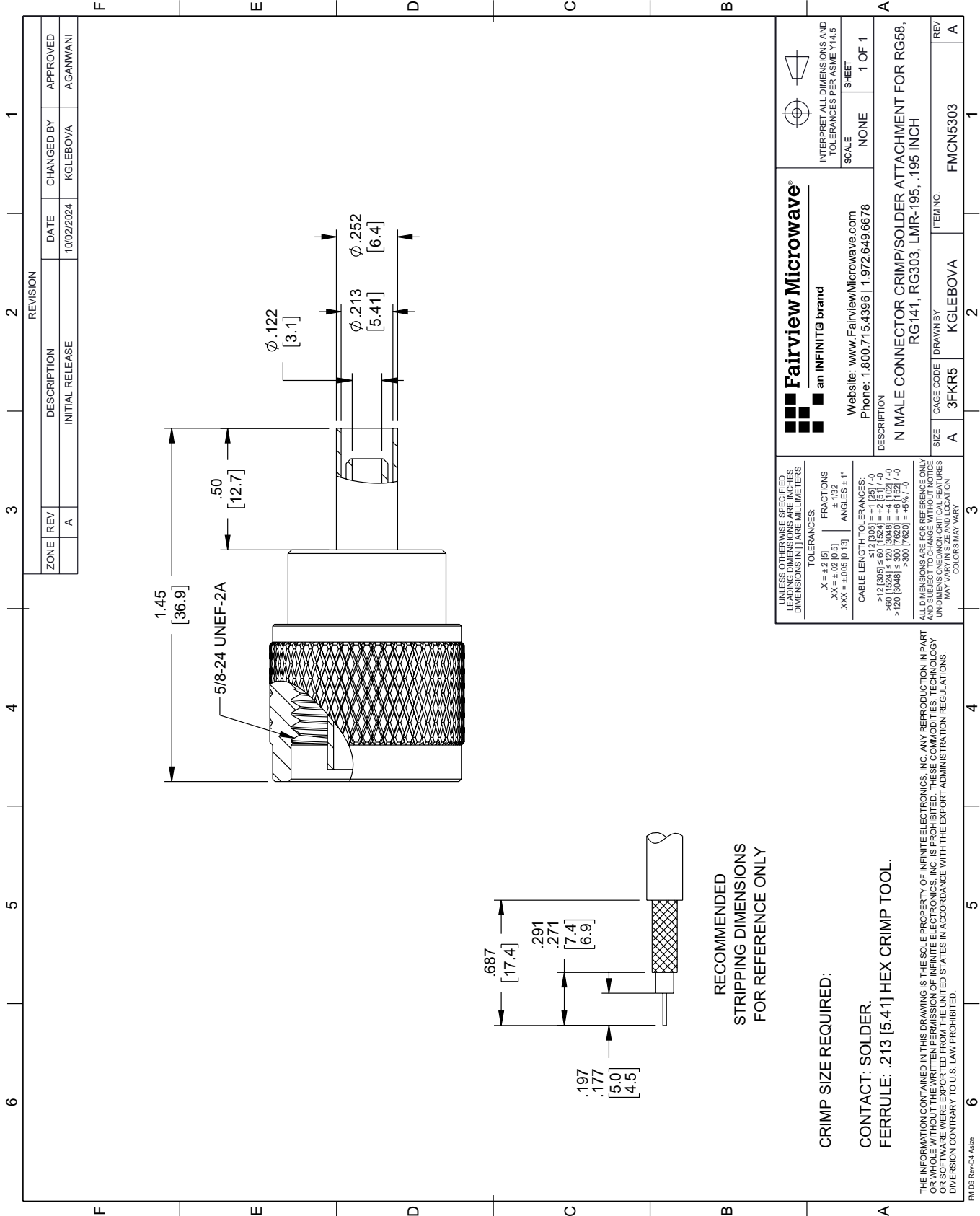
For additional information on this product, please click the following link: [N Male Connector Crimp/Solder Attachment for RG58, RG141, RG303, LMR-195, .195 inch Cable FMCN5303](#)

URL: <https://www.fairviewmicrowave.com/product/rf-connectors/n-male-rg58-rg141-rg303-lmr-195-.195-connector-fmcn5303.html>

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.

FMCN5303 CAD Drawing

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

 an INFINITO® 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
UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES. 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 >60 [1524] ≤ 120 [3048] = ±.4 [102] / -0 >120 [3048] ≤ 300 [7620] = ±.6 [15] / -0		ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNDIMENSIONED/UNCLEAR FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.	DESCRIPTION: N MALE CONNECTOR CRIMP/SOLDER ATTACHMENT FOR RG58, RG141, RG303, LMR-195, .195 INCH
SIZE	A	CAGE CODE	3FKR5
DRAWN BY	KGLEBOVA		ITEM NO.
REV	FMCN5303		A

RECOMMENDED STRIPPING DIMENSIONS FOR REFERENCE ONLY

CRIMP SIZE REQUIRED:
CONTACT: SOLDER.
FERRULE: .213 [5.41] HEX CRIMP TOOL.

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