

RA N Male (Plug) Connector Crimp/Solder Attachment for LMR-400, LMR-400-DB, LMR-400-FR, LMR-400-LLPX, LMR-400-UF, LMR-400-UF-FR Cable



FMCN5282

Configuration

- N Male Connector
- MIL-STD-348A
- 50 Ohms
- Right Angle Body Geometry
- Connector Interface Types: LMR-400, LMR-400-DB, LMR-400-FR, LMR-400-LLPX, LMR-400-UF, LMR-400-UF-FR, LMR-LW400, TCOM-400, TCOM-400-FR

Features

- Operating Frequency of 11 GHz Max.
- Gold Plated Brass Contact
- 30 µin minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

RA type N Male Standard Connector Crimp/Solder Attachment for LMR-400, LMR-400-DB, LMR-400-FR, LMR-400-LLPX, LMR-400-UF, LMR-400-UF-FR, LMR-LW400, TCOM-400 and TCOM-400-FR Cable, part number FMCN5282, from Fairview Microwave is in-stock and ships same day. This type N male connector operates up to a maximum frequency of 11 GHz. Its right angle body geometry facilitates connections in tight spaces.

Fairview's RA type N male connector FMCN5282 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
Operating Voltage (AC)			1,500	Vrms
Dielectric Withstanding Voltage (AC)			2,500	Vrms
Inner Conductor DC Resistance			1	mOhms
Outer Conductor DC Resistance			1	mOhms
Insulation Resistance	5,000			MOhms
RF Leakage	90			dB
Impedance		50		Ohms

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 6					GHz
VSWR, Max	1.5:1					
Insertion Loss, Max	0.15					dB

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Mechanical Specifications

Size	
Length	1.31 in [33.27 mm]
Width	0.83 in [21.08 mm]
Height	1.31 in [33.27 mm]
Weight	0.109 lbs [49.44 g]
Mating Cycles	500 Cycles

Material Specifications

Description	Material	Plating
Contact	Brass	Gold 30 µin minimum
Insulation	PTFE	
Body	Brass	Tri-Metal
Coupling Nut	Brass	Tri-Metal

Environmental Specifications

Temperature	
Operating Range	-65 to +165 deg C
Vibration	MIL-STD-202, Method 204, Condition B
Temperature Cycle	MIL-STD-202, Method 107, Condition B
Salt Spray	MIL-STD-202, Method 101, Condition B

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

Plotted and Other Data

Notes:

RA N Male (Plug) Connector Crimp/Solder Attachment for LMR-400, LMR-400-DB, LMR-400-FR, LMR-400-LLPX, LMR-400-UF, LMR-400-UF-FR 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.

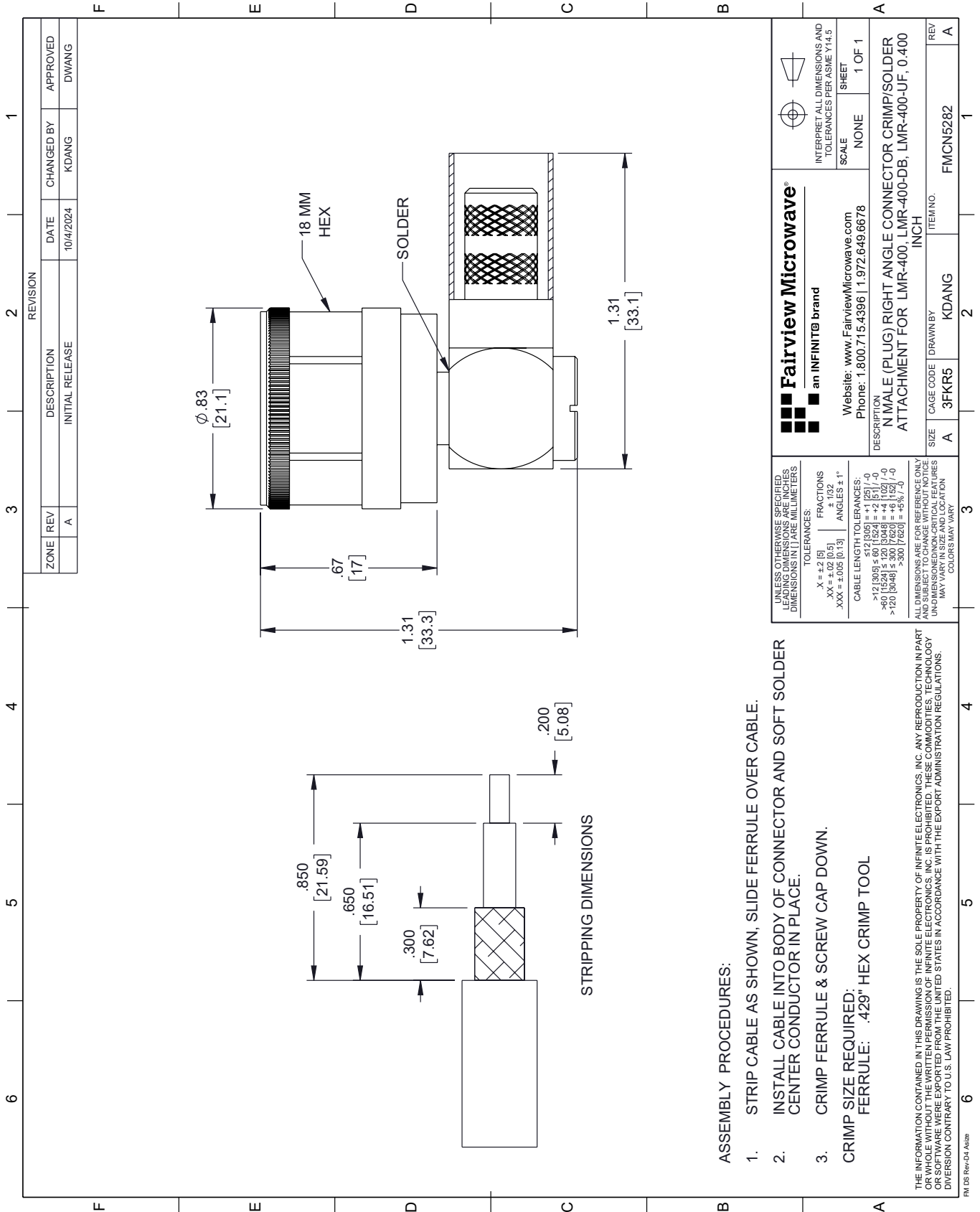
For additional information on this product, please click the following link: [RA N Male \(Plug\) Connector Crimp/Solder Attachment for LMR-400, LMR-400-DB, LMR-400-FR, LMR-400-LLPX, LMR-400-UF, LMR-400-UF-FR Cable FMCN5282](#)

URL: <https://www.fairviewmicrowave.com/n-male-lmr-400-lmr-400-db-lmr-400-fr-lmr-400-llpx-lmr-400-uf-lmr-400-uf-fr-lmr-lw400-tcom-400-tcom-400-fr-connector-fmcn5282-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.

FMCN5282 CAD Drawing

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REVISION		DATE	CHANGED BY	APPROVED
ZONE	REV			
	A	10/4/2024	KDANG	DWANG
DESCRIPTION				
INITIAL RELEASE				

Fairview Microwave®
an INFINITE® brand

Website: www.FairviewMicrowave.com
Phone: 1.800.715.4396 | 1.972.649.6678

DESCRIPTION
N MALE (PLUG) RIGHT ANGLE CONNECTOR CRIMP/SOLDER ATTACHMENT FOR LMR-400, LMR-400-DB, LMR-400-UF, 0.400 INCH

SCALE: NONE
SHEET: 1 OF 1

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SIZE	CAGE CODE	DRAWN BY	ITEM NO.
A	3FKR5	KDANG	FMCN5282

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] = ±.1 [25] / -0
 >120 [3048] ≤ 300 [7620] = ±.2 [5] / -0
 >300 [7620] = ±.3 [7.62] / -0

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

ASSEMBLY PROCEDURES:

1. STRIP CABLE AS SHOWN, SLIDE FERRULE OVER CABLE.
2. INSTALL CABLE INTO BODY OF CONNECTOR AND SOFT SOLDER CENTER CONDUCTOR IN PLACE.
3. CRIMP FERRULE & SCREW CAP DOWN.

CRIMP SIZE REQUIRED:
FERRULE: .429" HEX CRIMP TOOL

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