

## RA N Male Connector Crimp/Non-Solder Contact Attachment For LMR-400 Cable

### Times Microwave Systems Connector Specification

RA type N male connector with crimp/non-solder contact attachment for LMR-400, part number EZ-400-NMH-RA-X, from Fairview Microwave is in-stock and ships same day. This type N male connector operates up to a maximum frequency of 6 GHz and offers good VSWR of 1.35:1. Its right angle body geometry facilitates connections in tight spaces.

Fairview's RA type N male connector EZ-400-NMH-RA-X 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			1.35:1	
DWV (AC)			2,500	Vrms

### Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Freq. Range	DC to 3					GHz
Insertion Loss, Max	0.1					dB

### Mechanical Specifications

<b>Size</b>	
Length	1.87 in [47.5 mm]
Width/Dia.	0.81 in [20.57 mm]
Height	1.42 in [36.07 mm]
Weight	0.194 lbs [88 g]
Mating Torque	44 in-lbs [4.97 Nm]

### Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold 1.27 µm minimum
Insulation	PTFE	
Body	Brass	Tri-Metal 2 µm minimum
Coupling Nut	Brass	Tri-Metal 2 µm minimum



### Configuration:

- N Male Connector
- 50 Ohms
- Right Angle Body Geometry
- LMR-400 Interface Type
- Crimp/Non-Solder Contact Attachment

### Features:

- Operating Frequency of 6 GHz Max.
- Good VSWR of 1.35:1
- Gold Plated Beryllium Copper Contact
- 1.27 µm 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)

**Environmental Specifications**

**Temperature**

Operating Range

-55 to +155 deg C

Shock

MIL-STD 202, Method 213, Condition I

Vibration

MIL-STD 202, Method 204, Condition B

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

**Plotted and Other Data**

Notes:

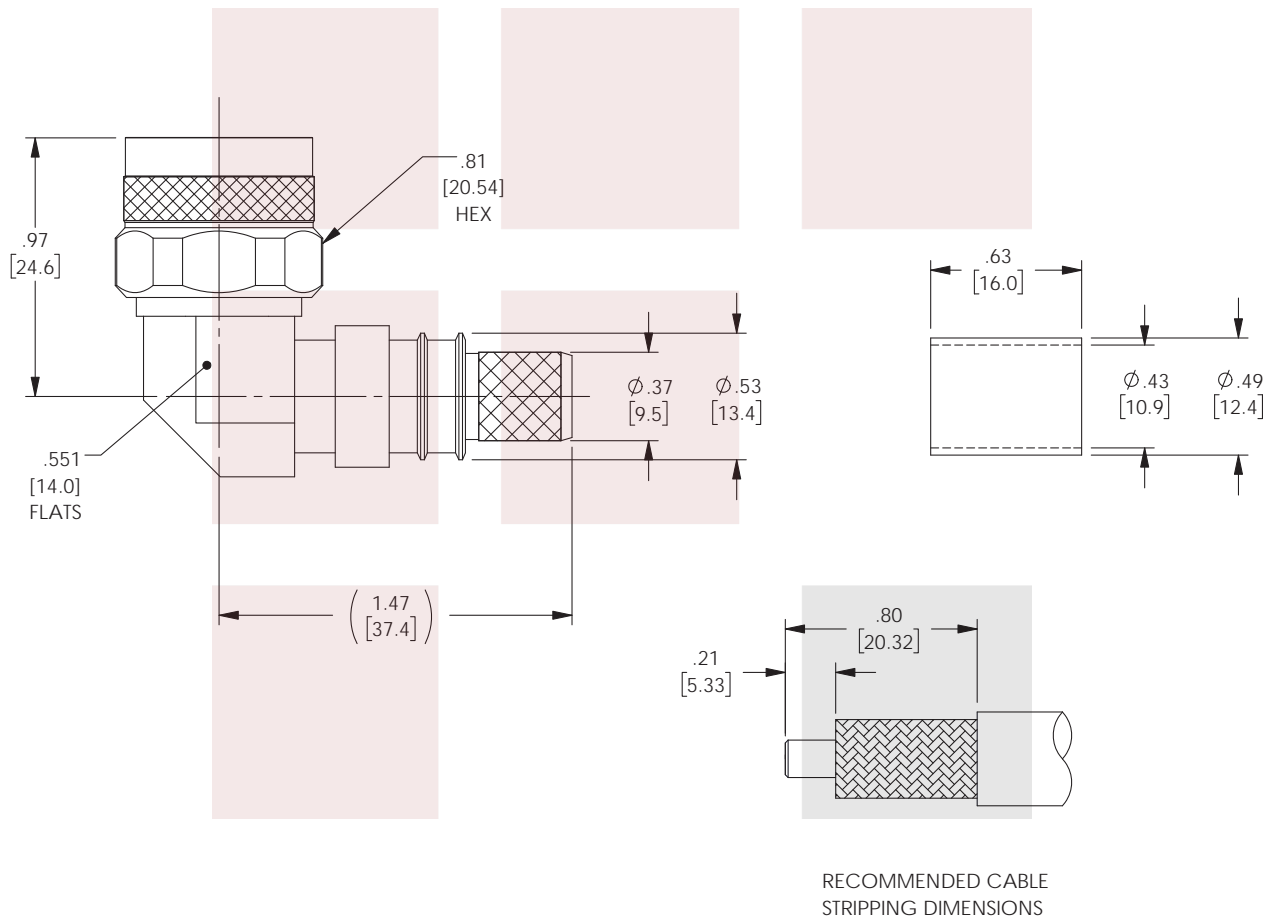
RA N Male Connector Crimp/Non-Solder Contact Attachment For LMR-400 Cable from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [RA N Male Connector Crimp/Non-Solder Contact Attachment For LMR-400 Cable EZ-400-NMH-RA-X](#)

URL: <https://www.fairviewmicrowave.com/n-male-lmr-400-connector-ez-400-nmh-ra-x-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	01/19/2021	SELLIS



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  
RA N Male Connector Crimp/Non-Solder Contact Attachment For LMR-400 Cable

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

TOLERANCES:		CABLE LENGTH (L) TOLERANCES:	
.X = ± 2 [5.08]	FRACTIONS ± 1/32	L ≤ 12 [305] = +1 [25] / -0	
.XX = ± 0.2 [5.1]	ANGLES ± 1°	12 [305] < L ≤ 60 [1524] = +2 [51] / -0	
.XXX = ± 0.005 [1.3]		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  
SCALE N/A

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.				
SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	3FKR5	BPUCHASKI	EZ-400-NMH-RA-X	A

T-Rev.D