

RA N Male (Plug) Connector Crimp/Solder Attachment  
for LMR-240, LMR-240-DB, LMR-240-FR, LMR-  
240-UF, LMR-LW240, RG8X, TCOM-240 Cable



**FMCN5281**

**Configuration**

- N Male Connector
- 50 Ohms
- Right Angle Body Geometry
- Connector Interface Types: LMR-240, LMR-240-DB, LMR-240-FR, LMR-240-UF, LMR-LW240, RG8X, TCOM-240, TCOM-240-FR

**Features**

- Operating Frequency of 11 GHz Max.
- Gold Plated Brass Contact

**Applications**

- General Purpose Test
- Custom Cable Assemblies

**Description**

RA type N Male Standard Connector Crimp/Solder Attachment for LMR-240, LMR-240-DB, LMR-240-FR, LMR-240-UF, LMR-LW240, RG8X, TCOM-240 and TCOM-240-FR Cable, part number FMCN5281, 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 FMCN5281 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   |
| Impedance       |         | 50      |         | Ohms  |

**Mechanical Specifications**

**Size**

|        |                     |
|--------|---------------------|
| Length | 1.21 in [30.73 mm]  |
| Width  | 0.83 in [21.08 mm]  |
| Height | 1.117 in [28.37 mm] |
| Weight | 0.098 lbs [44.45 g] |

**Material Specifications**

| Description | Material | Plating   |
|-------------|----------|-----------|
| Contact     | Brass    | Gold      |
| Insulation  | PTFE     |           |
| Body        | Brass    | Tri-Metal |

**Environmental Specifications**

**Temperature**

|                 |                   |
|-----------------|-------------------|
| Operating Range | -65 to +165 deg C |
|-----------------|-------------------|

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for LMR-240, LMR-240-DB, LMR-240-FR, LMR-  
240-UF, LMR-LW240, RG8X, TCOM-240 Cable



## FMCN5281

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

### Plotted and Other Data

Notes:

RA N Male (Plug) Connector Crimp/Solder Attachment for LMR-240, LMR-240-DB, LMR-240-FR, LMR-240-UF, LMR-LW240, RG8X, TCOM-240 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.

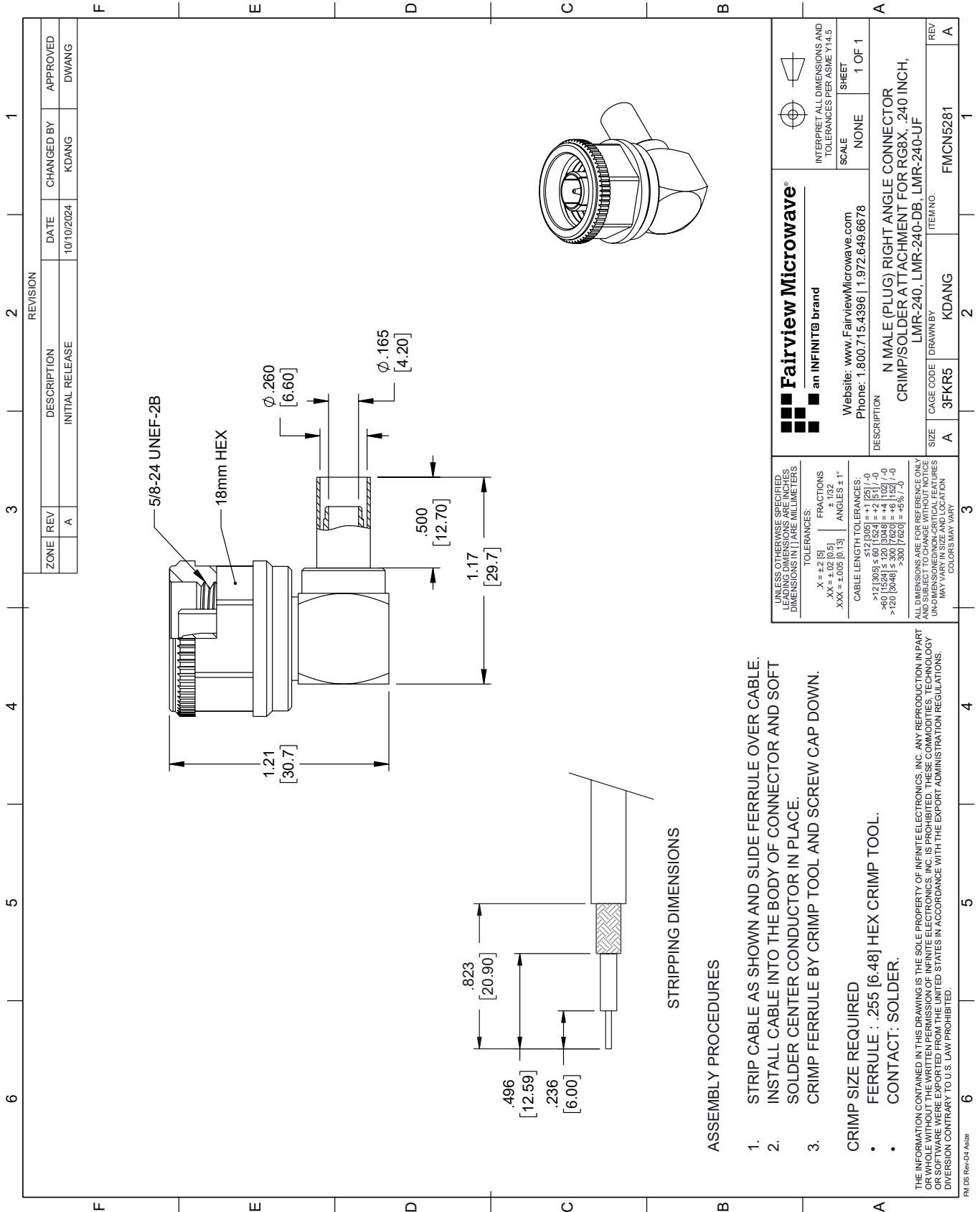
For additional information on this product, please click the following link: [RA N Male \(Plug\) Connector Crimp/Solder Attachment for LMR-240, LMR-240-DB, LMR-240-FR, LMR-240-UF, LMR-LW240, RG8X, TCOM-240 Cable FMCN5281](#)

URL: <https://www.fairviewmicrowave.com/n-male-lmr-240-lmr-240-db-lmr-240-fr-lmr-240-uf-lmr-lw240-rg8x-tcom-240-tcom-240-fr-connector-fmcn5281-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.

# FMCN5281 CAD Drawing

RA N Male (Plug) Connector Crimp/Solder Attachment for LMR-240, LMR-240-DB, LMR-240-FR, LMR-240-UF, LMR-LW240, RG8X, TCOM-240 Cable



## STRIPPING DIMENSIONS

## ASSEMBLY PROCEDURES

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

## CRIMP SIZE REQUIRED

- FERRULE : .255 [6.48] HEX CRIMP TOOL.
- CONTACT : SOLDER.

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FM DS Rev-D4 Alt26

| ZONE | REV | DESCRIPTION     | DATE       | CHANGED BY | APPROVED |
|------|-----|-----------------|------------|------------|----------|
|      | A   | INITIAL RELEASE | 10/10/2024 | KDANG      | DWANG    |

|  |          |  |  |          |       |
|--|----------|--|--|----------|-------|
| <br><b>Fairview Microwave</b><br>an INFINIT® brand   |          | Website: <a href="http://www.FairviewMicrowave.com">www.FairviewMicrowave.com</a><br>Phone: 1.800.715.4396   1.972.649.6678      | INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5<br>SCALE: NONE<br>SHEET: 1 OF 1 |          |       |
| UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES. DIMENSIONS IN [ ] ARE MILLIMETERS.<br>TOLERANCES:<br>.X = ±.2 [5]<br>.XX = ±.02 [0.5]<br>.XXX = ±.005 [0.13]<br>FRACTIONS: ± 1/32<br>ANGLES: ± 1°<br>CABLE LENGTH TOLERANCES:<br><12 [303] ≤ 60 [1524] = ±.1 [25] / -0<br>>60 [1524] ≤ 120 [3048] = ±.4 [102] / -0<br>>120 [3048] ≤ 300 [7620] = ±.8 [20] / -0<br>ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNDIMENSIONED NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY. |          | DESCRIPTION:<br>N MALE (PLUG) RIGHT ANGLE CONNECTOR CRIMP/SOLDER ATTACHMENT FOR RG8X, .240 INCH, LMR-240, LMR-240-DB, LMR-240-UF | REV: A   |          |       |
| SIZE   | A        | CAGE CODE  | 3FKR5  | DRAWN BY | KDANG |
| ITEM NO.   | FMCN5281 |  | REV  | A        |       |