

## RA BNC Male Connector Crimp/Solder Attachment For RG55, RG142, RG223, RG400 Cable

RA BNC male connector with crimp/solder attachment for RG55, RG142, RG223 and RG400, part number FMCN1372, from Fairview Microwave is in-stock and ships same day. This BNC male connector operates up to a maximum frequency of 4 GHz. Its right angle body geometry facilitates connections in tight spaces.

Fairview's RA BNC male connector FMCN1372 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  |     | 4   | GHz   |
| Operating Voltage (AC) |     |     | 500 | Vrms  |

### Performance by Frequency

| Description     | F1      | F2 | F3 | F4 | F5 | Units |
|-----------------|---------|----|----|----|----|-------|
| Frequency Range | DC to 3 |    |    |    |    | GHz   |
| VSWR, Max       | 1.35:1  |    |    |    |    |       |

### Mechanical Specifications

|             |                     |
|-------------|---------------------|
| <b>Size</b> |                     |
| Length      | 1.345 in [34.16 mm] |
| Width/Dia.  | 0.571 in [14.50 mm] |
| Height      | 1.145 in [29.08 mm] |

### Material Specifications

| Description  | Material | Plating                   |
|--------------|----------|---------------------------|
| Contact      | Brass    | Gold<br>30 µin minimum    |
| Insulation   | PTFE     |                           |
| Body         | Brass    | Nickel<br>100 µin minimum |
| Coupling Nut | Brass    | Nickel<br>100 µin minimum |



### Configuration:

- BNC Male Connector
- MIL-STD-348A
- 50 Ohms
- Right Angle Body Geometry
- RG55, RG142, RG223, RG400 Interface Type
- Crimp/Solder Attachment

### Features:

- Operating Frequency of 4 GHz Max.
- Gold Plated Brass Contact
- 30 µin minimum contact plating

### Applications:

- General Purpose Test
- Custom Cable Assemblies

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Allen, TX 75013  
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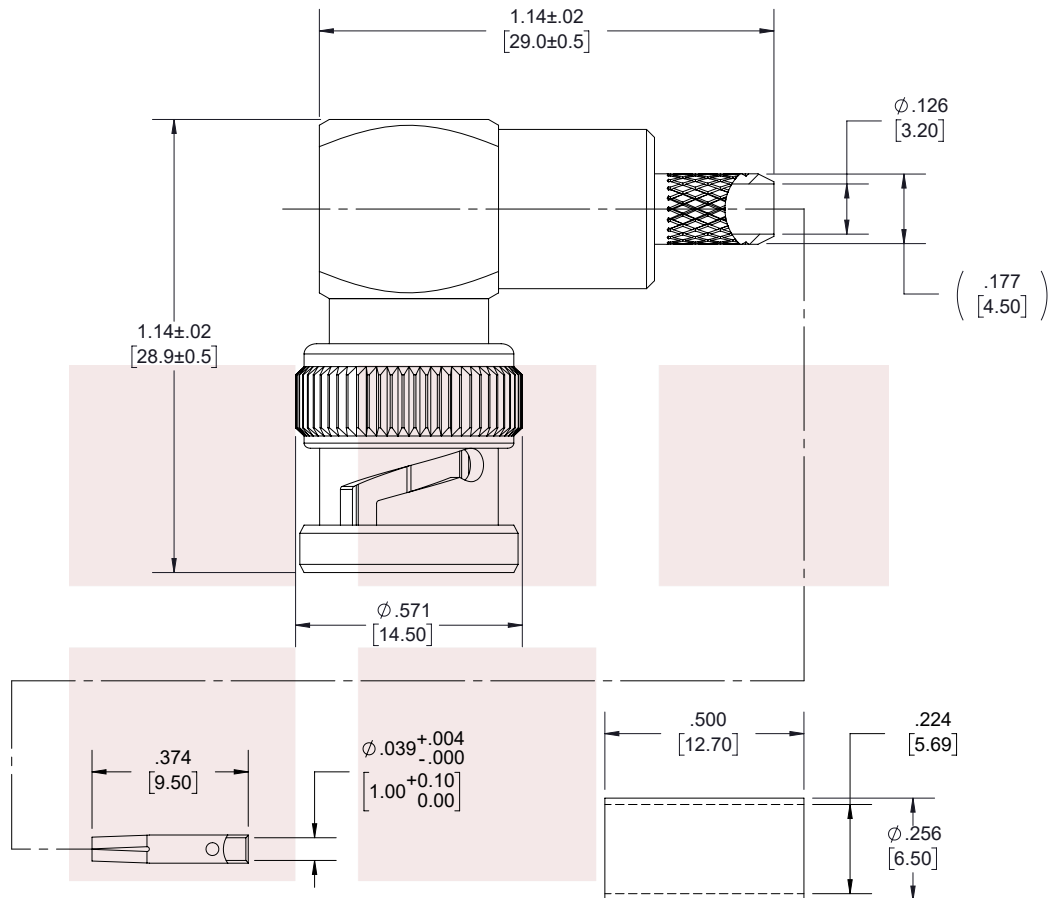
RA BNC Male Connector Crimp/Solder Attachment For RG55, RG142, RG223, RG400 Cable from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [RA BNC Male Connector Crimp/Solder Attachment For RG55, RG142, RG223, RG400 Cable FMCN1372](#)

URL: <https://www.fairviewmicrowave.com/bnc-male-rg55-rg142-rg223-rg400-connector-fmcn1372-p.aspx>

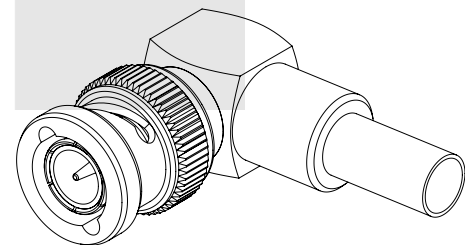
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**CONTACT**

**FERRULE**



**STANDARD TOLERANCES**

|      |        |
|------|--------|
| .X   | ±0.2   |
| .XX  | ±0.01  |
| .XXX | ±0.005 |

\*STANDARD TOLERANCES APPLY  
ONLY TO DIMENSIONS IN INCHES

**FAIRVIEW MICROWAVE INC.**

ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM

**NOTES:**

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**TITLE**

RA BNC Male Connector Crimp/Solder Attachment For  
RG55, RG142, RG223, RG400 Cable

**DWG NO**

FMCN1372

**CAGE CODE**

3FKR5

**CAD FILE**

110817

**SHEET**

1 OF 1

**SCALE**

N/A

**SIZE**

A

7361

## N Male Connector Crimp/Solder Attachment For RG55, RG142, RG223, RG400 Cable

Type N male connector with crimp/solder attachment for RG55, RG142, RG223 and RG400, part number SC9107, 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 SC9107 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    |     | 11     | GHz   |
| VSWR                   |       |     | 1.45:1 |       |
| Operating Voltage (AC) |       |     | 1,000  | Vrms  |
| DWV (AC)               |       |     | 1,500  | Vrms  |
| Insulation Resistance  | 5,000 |     |        | MOhms |

### Mechanical Specifications

|               |                      |
|---------------|----------------------|
| <b>Size</b>   |                      |
| Length        | 1.51 in [38.35 mm]   |
| Width/Dia.    | 0.8 in [20.32 mm]    |
| Weight        | 0.0815 lbs [36.97 g] |
| Mating Cycles | 500 Cycles           |

### Material Specifications

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

### Environmental Specifications

#### Temperature

|                 |                               |
|-----------------|-------------------------------|
| Operating Range | -65 to +165 deg C             |
| Shock           | MIL-STD-202, METH. 213 COND I |



### Configuration:

- N Male Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry
- RG55, RG142, RG223, RG400 Interface Type
- Crimp/Solder Attachment

### 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

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[sales@fairviewmicrowave.com](mailto:sales@fairviewmicrowave.com)

|               |                               |
|---------------|-------------------------------|
| Vibration     | MIL-STD-202, METH. 204 COND D |
| Altitude      | MIL-STD-202, METH. 105 COND C |
| Thermal Shock | MIL-STD-202, METH. 107 COND B |

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

**Plotted and Other Data**

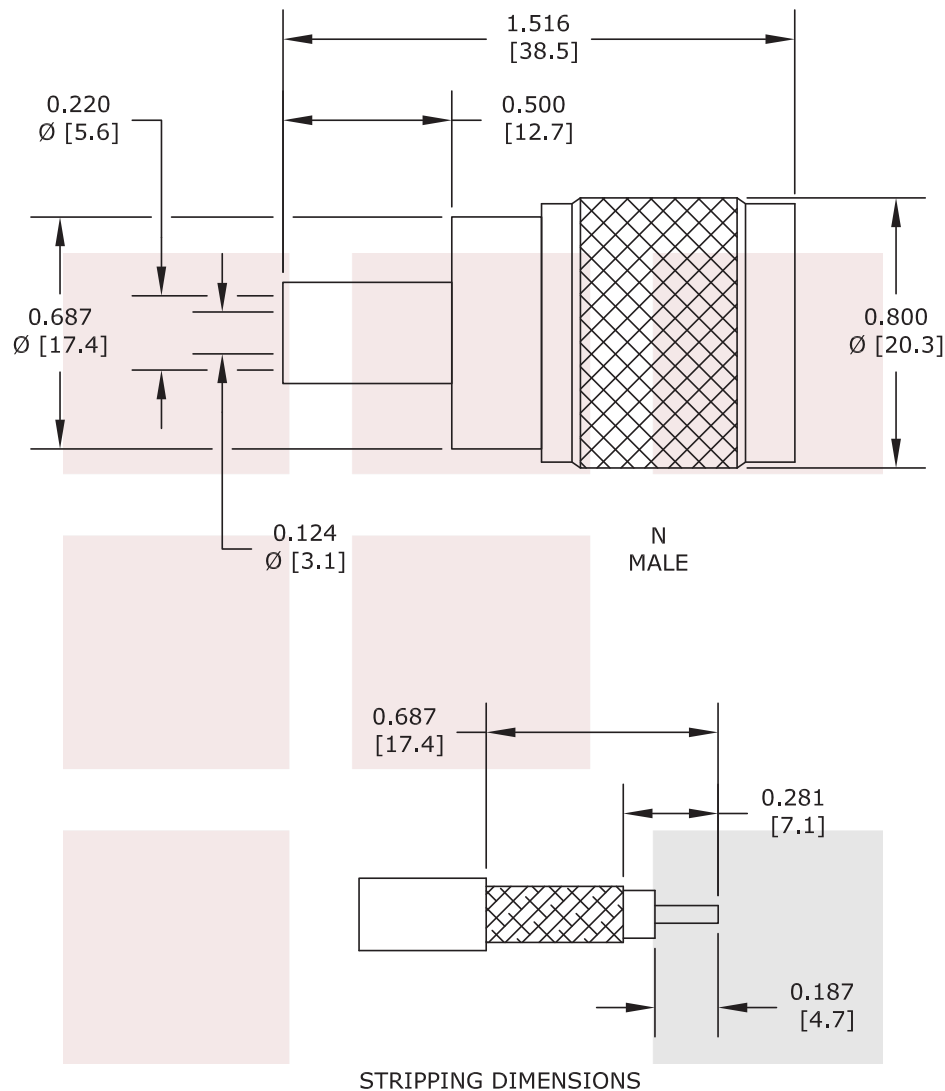
Notes:

N Male Connector Crimp/Solder Attachment For RG55, RG142, RG223, RG400 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 Allen, 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 RG55, RG142, RG223, RG400 Cable SC9107](#)

URL: <https://www.fairviewmicrowave.com/n-male-standard-rg55-rg142-rg223-connector-sc9107-p.aspx>

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**TITLE**

N Male Connector Crimp/Solder Attachment For RG55,  
RG142, RG223, RG400 Cable

**DWG NO**

SC9107

**CAGE CODE**

3FKR5

**CAD FILE**

021617

**SHEET**

**SCALE**

N/A

**SIZE**

A 2233

## RG142 Flexible Coax Cable Tan FEP Jacket

### Electrical Specifications

| Description             | Min | Typ     | Max   | Units  |
|-------------------------|-----|---------|-------|--------|
| Frequency Range         | DC  |         | 8     | GHz    |
| Impedance               |     | 50      |       | Ohms   |
| Velocity of Propagation |     | 70      |       | %      |
| Operating Voltage (AC)  |     |         | 1,900 | Vrms   |
| Nominal Capacitance     |     | 29.39   |       | pF/ft  |
|                         |     | [96.42] |       | [pF/m] |

### Performance by Frequency Band

| Description      | F1   | F2    | F3    | F4    | F5     | Units    |
|------------------|------|-------|-------|-------|--------|----------|
| Frequency        | 0.1  | 0.4   | 1     | 3     | 5      | GHz      |
| Attenuation, Typ | 3.9  | 7.9   | 12.9  | 23.9  | 32.1   | dB/100ft |
|                  | 12.8 | 25.92 | 42.32 | 78.41 | 105.31 | dB/100m  |

### Mechanical Specifications

|                             |                           |
|-----------------------------|---------------------------|
| Diameter                    | 0.195 in [4.95 mm]        |
| Weight                      | 0.0425 lbs/ft [0.06 Kg/m] |
| Min. Bend Radius (Repeated) | 1 in [25.4 mm]            |

### Construction Specifications

| Description     | Material and Plating                 | Diameter           |
|-----------------|--------------------------------------|--------------------|
| Inner Conductor | Copper Clad Steel, Silver, 1 Strands | 0.037 in [0.94 mm] |
| Conductor Type  | Solid                                |                    |
| Dielectric      | PTFE                                 | 0.116 in [2.95 mm] |
| First Shield    | Silver Plated Copper Braid           |                    |
| Second Shield   | Silver Plated Copper Braid           | 0.156 in [3.96 mm] |
| Jacket          | FEP, Tan                             | 0.195 in [4.95 mm] |

### Environmental Specifications

#### Temperature

|                 |                   |
|-----------------|-------------------|
| Operating Range | -55 to +200 deg C |
|-----------------|-------------------|

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

### Plotted and Other Data

Notes:



### Configuration:

- Flexible Cable
- 2 Shield(s)

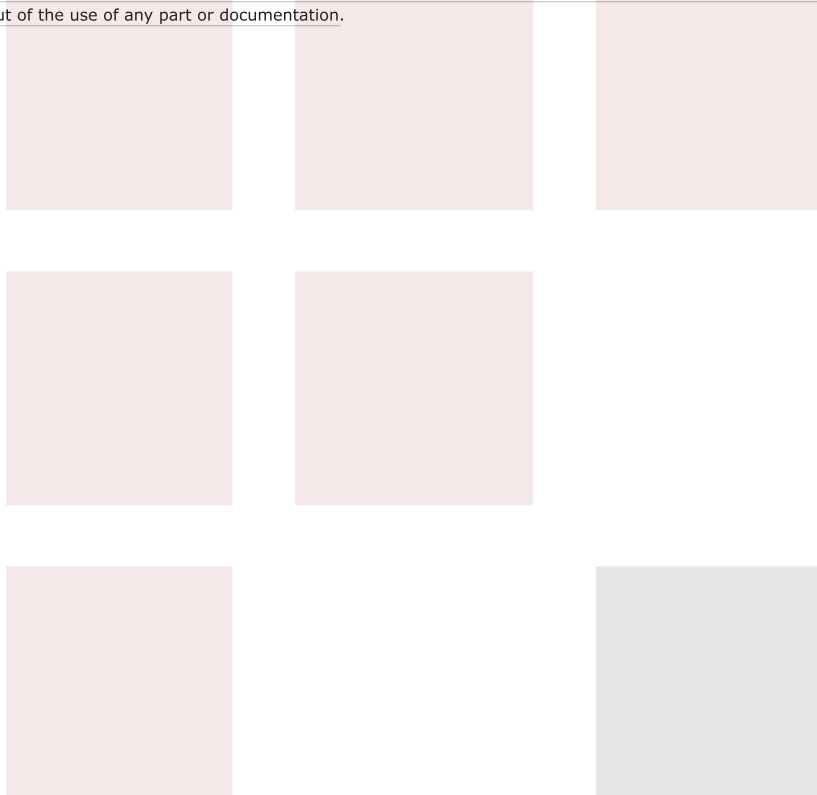
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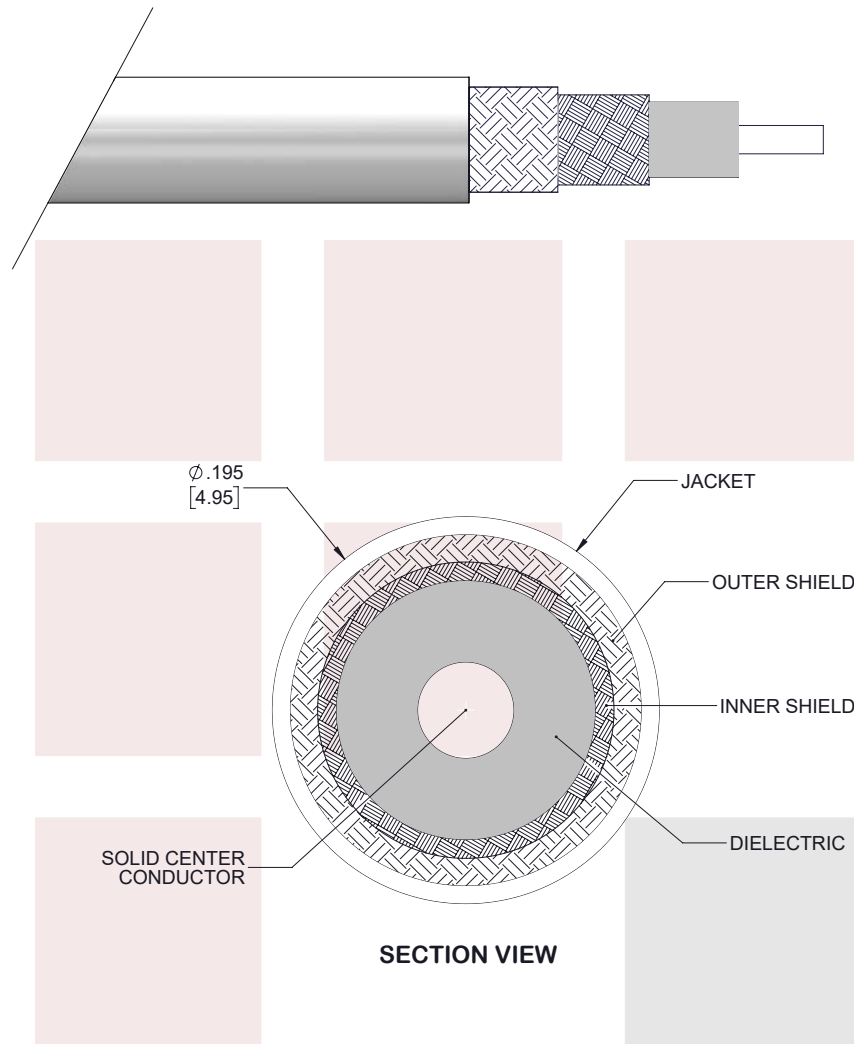
RG142 Flexible Coax Cable Tan FEP Jacket from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [RG142 Flexible Coax Cable Tan FEP Jacket RG142](#)

URL: <https://www.fairviewmicrowave.com/rg142-flexible-coax-cable-fep-jacket-rg142-p.aspx>

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|                                                                    |          |                                                                                                                                                                                            |        |                           |     |             |
|--------------------------------------------------------------------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------------------------|-----|-------------|
| <b>Fairview Microwave</b><br>RF COMPONENTS ON DEMAND. <i>Done!</i> |          | <b>NOTES:</b><br>1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.<br>2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.<br>3. DIMENSIONS ARE IN INCHES [mm]. |        |                           |     |             |
| <b>TITLE</b><br>RG142 Flexible Coax Cable Tan FEP Jacket           |          | <b>DWG NO</b><br>RG142                                                                                                                                                                     |        | <b>CAGE CODE</b><br>3FKR5 |     |             |
| CAD FILE                                                           | 05/14/18 | SHEET                                                                                                                                                                                      | 1 OF 1 | SCALE                     | N/A | SIZE A 7361 |