

### BNC Male Right Angle Connector Crimp/Solder Attachment for RG174, RG316, RG188, .100 inch, LMR-100

RA BNC male connector with crimp/solder attachment for RG174, RG316, RG188, .100 inch and LMR-100, part number FMCN1838, from Fairview Microwave is in-stock and ships same day. This BNC male connector operates up to a maximum frequency of 2 GHz and offers good VSWR of 1.6:1. Its right angle body geometry facilitates connections in tight spaces.

Fairview's RA BNC male connector FMCN1838 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		2	GHz
VSWR			1.6:1	
Operating Voltage (AC)			500	Vrms

#### Mechanical Specifications

<b>Size</b>	
Length	1.73 in [43.94 mm]
Width/Dia.	0.57 in [14.48 mm]
Height	1.06 in [26.92 mm]
Weight	0.052 lbs [23.59 g]

#### Material Specifications

Description	Material	Plating
Contact	Brass	Gold 30 µin minimum
Insulation	PTFE	
Body	Brass	Nickel 100 µin minimum
Coupling Nut	Brass	Nickel 100 µin minimum

#### Environmental Specifications

##### Temperature

Operating Range -65 to +165 deg C

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

#### Plotted and Other Data

Notes:



#### Configuration:

- BNC Male Connector
- 50 Ohms
- Right Angle Body Geometry
- RG174, RG316, RG188, .100 inch, LMR-100 Interface Type
- Crimp/Solder Attachment

#### Features:

- Operating Frequency of 2 GHz Max.
- Good VSWR of 1.6:1
- Gold Plated Brass Contact
- 30 µin minimum contact plating

#### Applications:

- General Purpose Test
- Custom Cable Assemblies

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BNC Male Right Angle Connector Crimp/Solder Attachment for RG174, RG316, RG188, .100 inch, LMR-100 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: [BNC Male Right Angle Connector Crimp/Solder Attachment for RG174, RG316, RG188, .100 inch, LMR-100 FMCN1838](#)

URL: <https://www.fairviewmicrowave.com/bnc-male-rg174-rg316-rg188-.100-lmr-100-connector-fmcn1838-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	02/11/2022	A.GANWANI

  

**FERRULE**

$\phi .173$  [4.40]

$\phi .21$  [5.4] REF.

$\phi .118^{+.004}_{-.002}$  [3.00<sup>+0.10</sup><sub>-0.05</sub>]

**INSULATION**

$.25$  [6.3]

**METAL SPACER**

$.28$  [7.0]

**CONTACT**

$.37$  [9.5]

$.024$  [0.6]

**STRIPPING DIMENSION**

$.098$  [2.49]

$.315$  [8.00]

$.669$  [17.00]

$1.73 \pm .02$  [44.0 ± 0.5]

$.587 \pm .012$  [14.90 ± 0.30]

$\phi .15$  [3.7] REF.

$1.06 \pm .02$  [27.0 ± 0.5]

$.295$  [7.50]

$\phi .106$  [2.70]

$\phi .57$  [14.5]

  

**NOTES:**

- CABLE ATTACHMENT:**
  - OUTER: CRIMP.
  - INNER: SOLDER/CRIMP.
- CRIMP SIZE REQUIRED:**
  - CONTACT: .71" [1.8] SQ CRIMP TOOL.
  - FERRULE: .146" [3.71] HEX CRIMP TOOL.
  - .185" [4.70] HEX CRIMP TOOL.

  

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<p><b>Fairview Microwave</b></p> <p>an INFINIT<sup>®</sup> brand</p> <p>TITLE</p> <p><b>BNC Male Right Angle Connector Crimp/Solder Attachment for RG174, RG316, RG188, .100 inch, LMR-100</b></p>	<p>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS</p> <p>TOLERANCES:      CABLE LENGTH (L) TOLERANCES:</p> <p style="text-align: center;">L ≤ 12 [305] = +1 [25] / -0</p> <p>.X = ± 2 [5.08]      FRACTIONS      12 [305] &lt; L ≤ 60 [1524] = +2 [51] / -0</p> <p>.XX = ± .02 [ .51]      ± 1/32      60 [1524] &lt; L ≤ 120 [3048] = +4 [102] / -0</p> <p>.XXX = ± .005 [ .13]      ANGLES ± 1°      120 [3048] &lt; L ≤ 300 [7620] = +6 [152] / -0</p> <p style="text-align: center;">300 [7620] &lt; L = +5%L / -0</p>	<p>THIRD-ANGLE PROJECTION</p> <p>THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF FAIRVIEW MICROWAVE CORPORATION. ALL RIGHTS RESERVED.</p> <p>SHEET 1 OF 1</p>
	<p>ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.</p>	
<p>SIZE      CAGE CODE      DRAWN BY      ITEM NO.      REV</p> <p style="text-align: center;">A      3FKR5      K.GLEBOVA      FMCN1838      A</p>		

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