

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

Size	
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 30 µin minimum
Insulation	PTFE	
Body	Brass	Nickel 100 µin minimum
Coupling Nut	Brass	Nickel 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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Environmental Specifications

Temperature

Operating Range -65 to +165 deg C

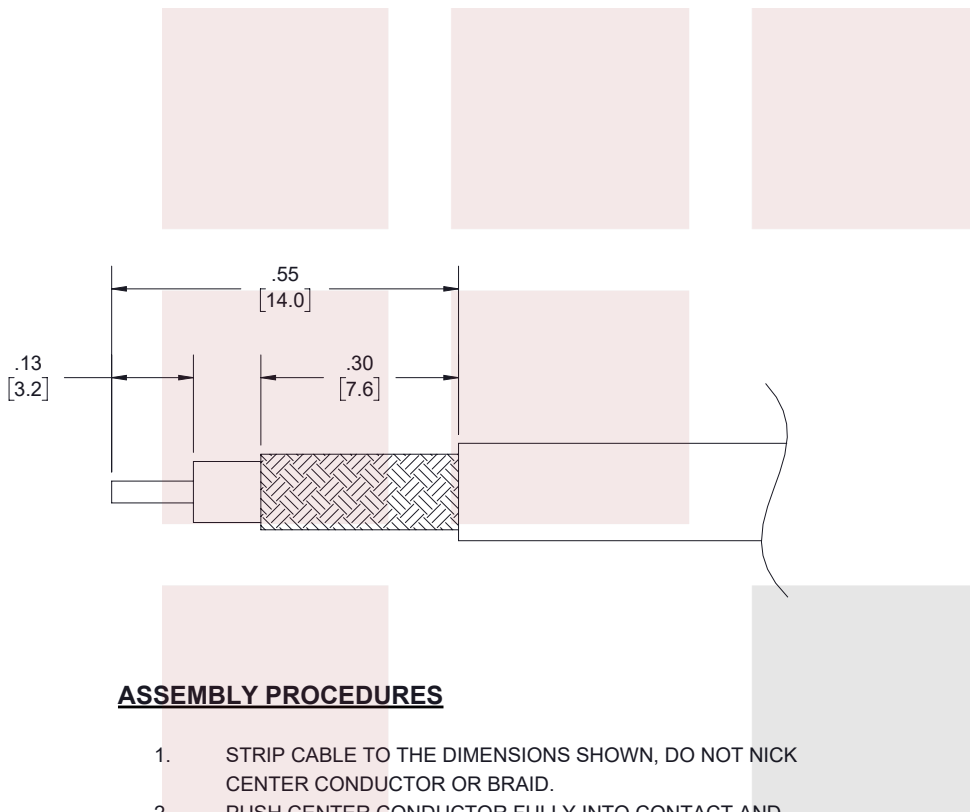
Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

Assembly Instruction

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ASSEMBLY PROCEDURES

1. STRIP CABLE TO THE DIMENSIONS SHOWN, DO NOT NICK CENTER CONDUCTOR OR BRAID.
2. PUSH CENTER CONDUCTOR FULLY INTO CONTACT AND CRIMP WITH CRIMP TOOL.
3. FLARE BRAID AND INSERT THE BODY UNTIL IT SEATS.
4. SLIDE FERRULE OVER BRAID AND CRIMP WITH CRIMP TOOL.

CRIMP SIZE REQUIRED

- CONTACT: .068 [1.73] HEX CRIMP TOOL.
- FERRULE: .213 [5.41] HEX CRIMP TOOL.

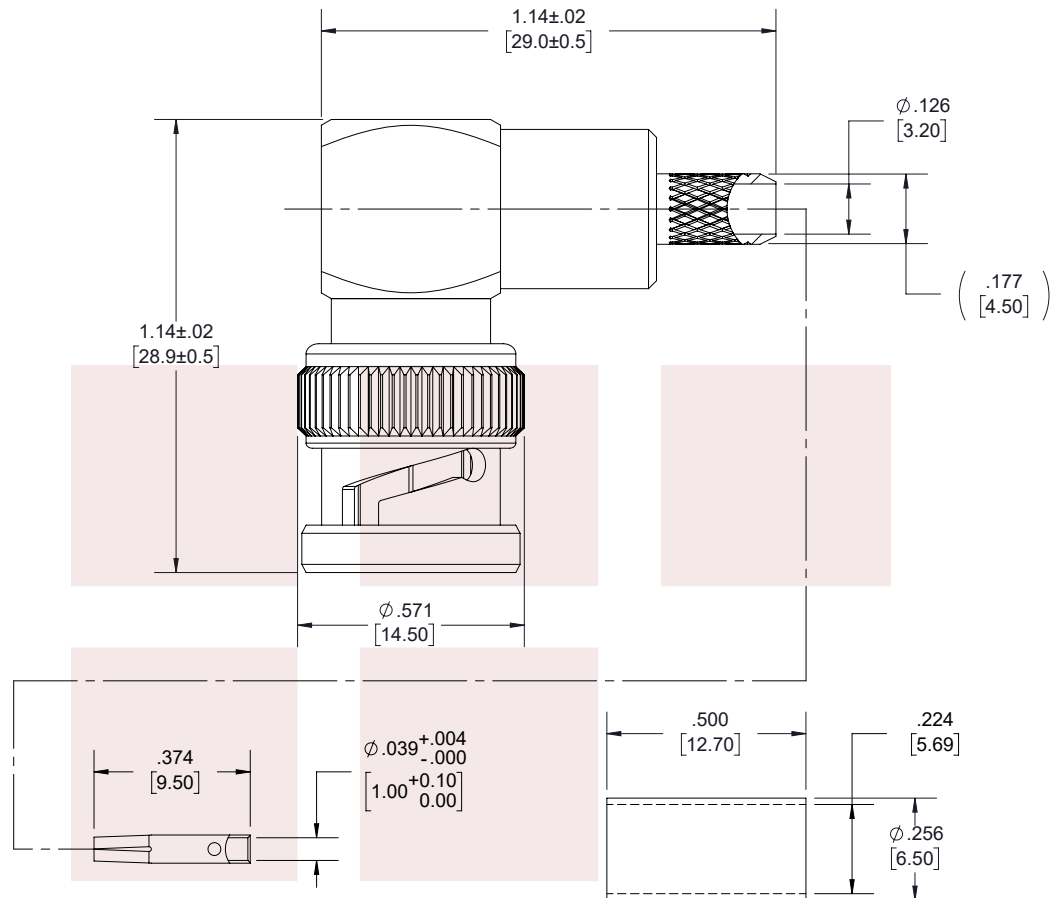
RA BNC Male Connector Crimp/Solder Attachment For RG55, RG142, RG223, RG400 Cable from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

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>

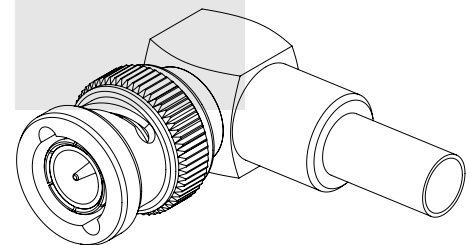
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CONTACT

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

TITLE

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

NOTES:

1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].

DWG NO

FMCN1372

CAGE CODE

3FKR5

CAD FILE

110817

SHEET

1 OF 1

SCALE

N/A

SIZE

A

7361

HN Male Right Angle Connector Clamp/Solder Attachment for RG142, RG223, RG400 Cable



FMCN45902

Configuration

- HN Male Connector
- MIL-STD-348
- 50 Ohms
- Right Angle Body Geometry
- Connector Interface Types: RG142, RG223, RG400

Features

- Silver Plated Contact
- Contact plating according to QQ-S-365

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

FMCN45902 HN male right angle coax connector has an interface type of HN male which is compatible with RG142, RG223, and RG400 cables and has a 50 Ohms impedance. Fairview Microwave's HN male connector uses clamp/solder as an attachment method.

The Fairview Microwave HN male coax connector has a PTFE dielectric type. Fairview Microwave's HN coax connector has a brass body with nickel plating. This threaded RF connector can operate at temperatures ranging from -65 to +165 degrees C. Additional RF connector specs and dimensions for this component can be found on its PDF specification datasheet and CAD drawings above.

This HN male RF connector with coax termination is designed to be used with RG142, RG223, RG400 cables. Our high-quality FMCN45902 connector features a QQ-N-290 body plating specification. This HN connector has a silver inner contact plating.

This Fairview Microwave male HN connector will ship the same business day as purchased. Our HN male connector is part of over 40,000 RF, microwave, and millimeter wave components in stock for worldwide shipment. For further information on similar products, our expert technical support and trained sales team can get you the ideal RF connector as per your requirements.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Impedance		50		Ohms

Mechanical Specifications

Size

Length	1.75 in [44.45 mm]
Width	0.9 in [22.86 mm]
Height	1.47 in [37.34 mm]
Weight	0.161 lbs [73.03 g]

HN Male Right Angle Connector Clamp/Solder Attachment for RG142, RG223, RG400 Cable

FMCN45902



Material Specifications

Description	Material	Plating
Contact		Silver QQ-S-365
Insulation	PTFE	
Body	Brass	Nickel QQ-N-290
Coupling Nut	Brass	Nickel QQ-N-290

Environmental Specifications

Temperature Operating Range	-65 to +165 deg C
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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

HN Male Right Angle Connector Clamp/Solder Attachment for 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 Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [HN Male Right Angle Connector Clamp/Solder Attachment for RG142, RG223, RG400 Cable FMCN45902](#)

URL: <https://www.fairviewmicrowave.com/hn-male-rg142-rg223-rg400-connector-fmcn45902-p.aspx>

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HN Male Right Angle Connector Clamp/Solder Attachment for RG142, RG223, RG400 Cable



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)

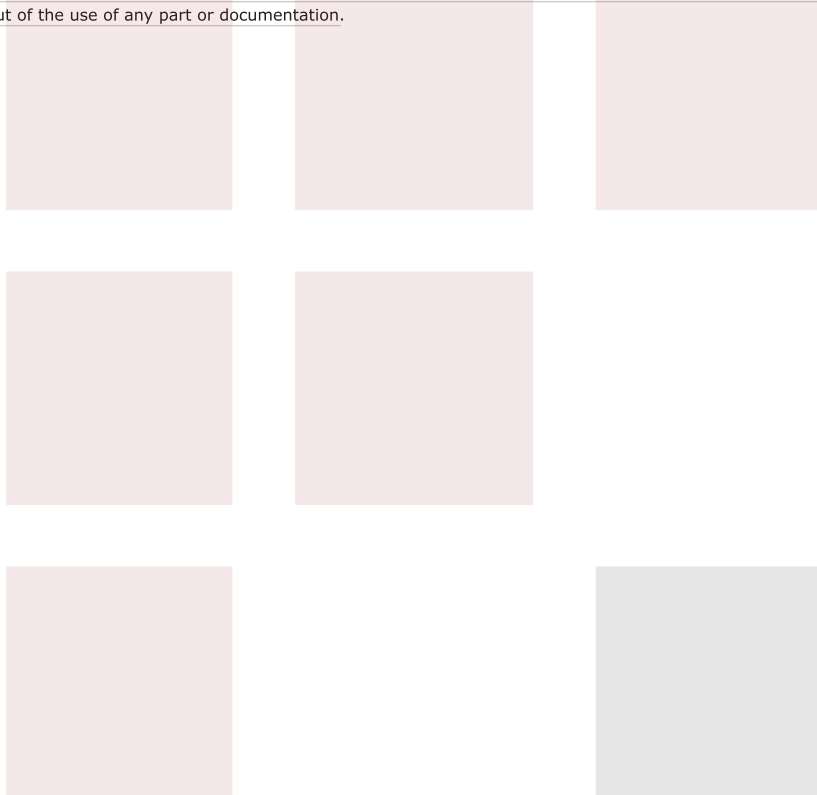
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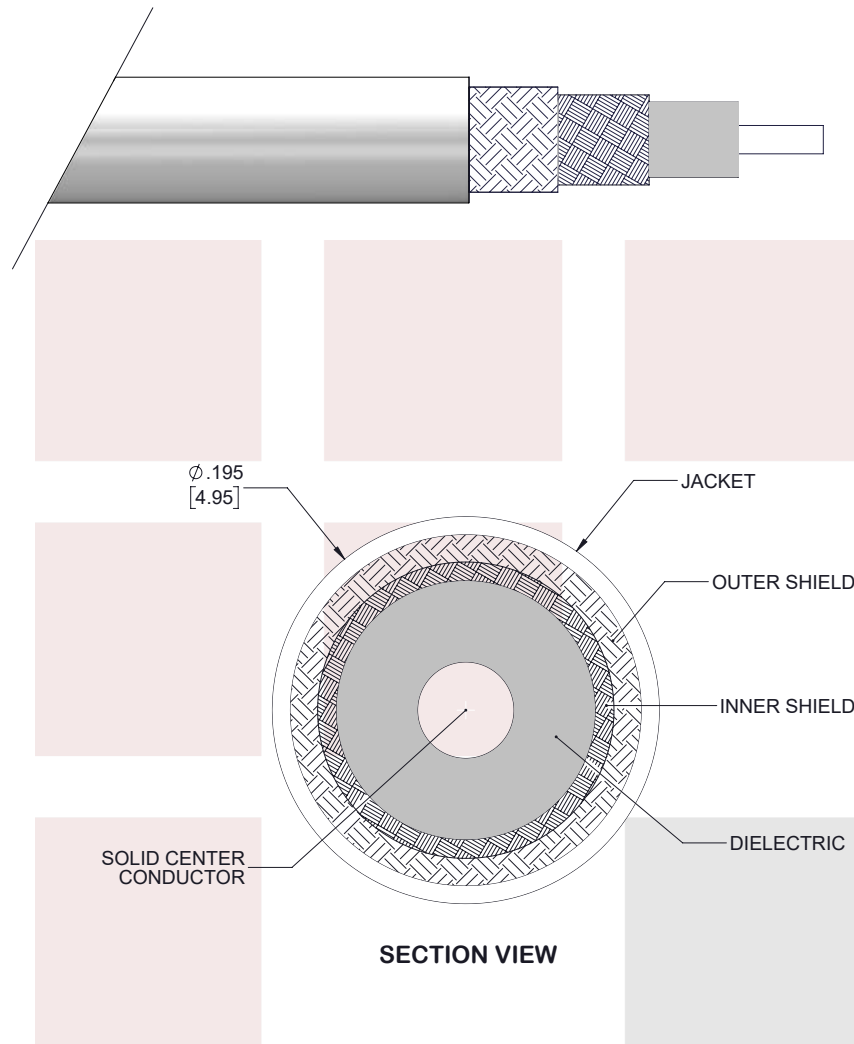
RG142 Flexible Coax Cable Tan FEP Jacket from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

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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STANDARD TOLERANCES

.X ± 0.2
.XX ± 0.01
.XXX ± 0.005

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ONLY TO DIMENSIONS IN INCHES

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