

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

Size	
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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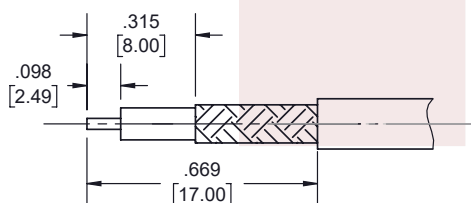
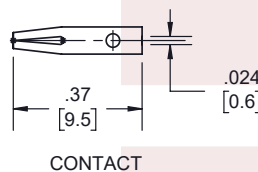
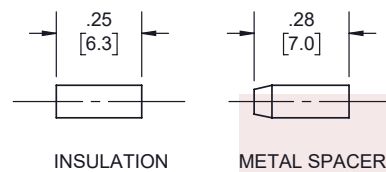
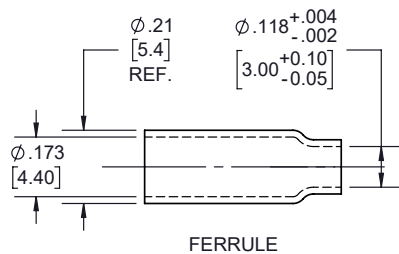
BNC Male Right Angle Connector Crimp/Solder Attachment for RG174, RG316, RG188, .100 inch, LMR-100 from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview 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>

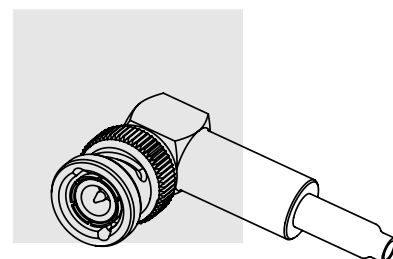
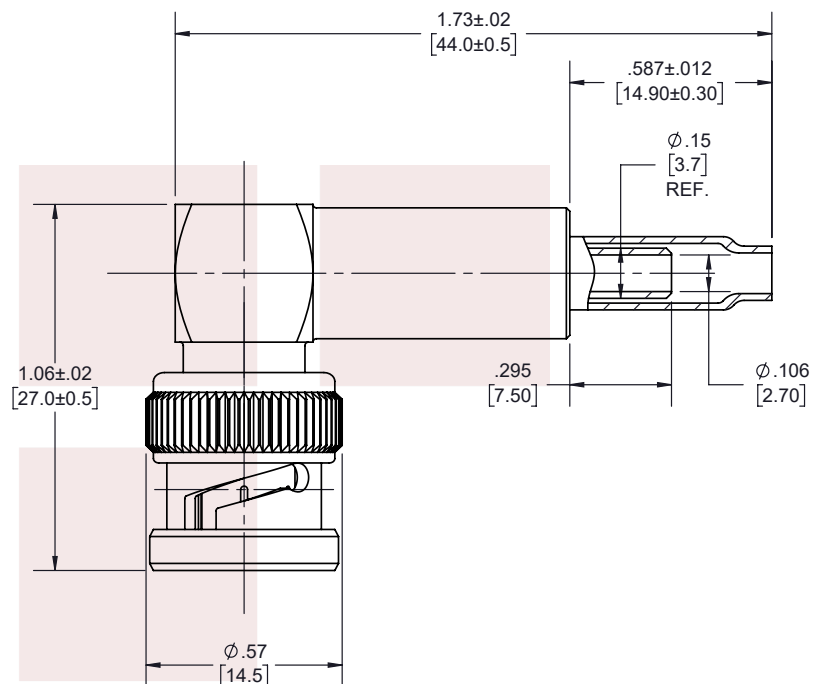
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NOTES:

- 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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TITLE

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

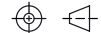
UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES: CABLE LENGTH (L) TOLERANCES:

.X = ± .02 [.51]	FRACTIONS	L ≤ 12 [305] = +1 [25] / -0
.XX = ± .02 [.51]	± 1/32	12 [305] < L ≤ 60 [1524] = +2 [51] / -0
.XXX = ± .005 [.13]	ANGLES ± 1°	60 [1524] < L ≤ 120 [3048] = +4 [102] / -0
		120 [3048] < L ≤ 300 [7620] = +6 [152] / -0
		300 [7620] < L = +5% L / -0

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION



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SHEET 1 OF 1

SCALE N/A

SIZE A	CAGE CODE 3FKR5	DRAWN BY K.GLEBOVA	ITEM NO. FMCN1838	REV A
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T-Rev.D

QMA Female Bulkhead Mount Connector Crimp/ Solder Attachment for RG174, RG316, RG188, 0.100 inch, LMR-100, .268 inch D Hole

QMA female bulkhead connector with crimp/solder attachment for RG174, RG316, RG188, .100 inch and LMR-100 (.268 inch D hole), part number FMCN1895, from Fairview Microwave is in-stock and ships same day. This QMA female connector operates up to a maximum frequency of 18 GHz. Fairview's FMCN1895 bulkhead QMA connector enables designers to make external connections on product enclosures, and can be used in a variety of other rack mount and panel mount applications.

Fairview's QMA female bulkhead connector FMCN1895 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		18	GHz
Operating Voltage (AC)			350	Vrms
Test Voltage (AC)			750	Vrms
Inner Cond. DC Resistance			3	mOhms
Outer Cond. DC Resistance			2.5	mOhms
Insulation Resistance	5,000			MOhms

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Freq. Range	DC to 3	3 to 6				GHz
VSWR, Max	1.07:1	1.11:1				

Electrical Specification Notes:

RF leakage: 95 dB (up to 2 GHz), 80 dB (up to 4 GHz), 70 dB (up to 6 GHz) min.

Insertion loss = $0.05 \times \sqrt{f(\text{GHz})}$ dB max up to 6 GHz.

Mechanical Specifications

Size

Length	0.95 in [24.13 mm]
Width/Dia.	0.43 in [10.92 mm]
Height	0.5 in [12.7 mm]
Weight	0.012 lbs [5.44 g]
Mating Cycles	100 Cycles

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold



Configuration:

- QMA Female Connector
- 50 Ohms
- Straight Body Geometry
- RG174, RG316, RG188, .100 inch, LMR-100 Interface Type
- Crimp/Solder Attachment
- Bulkhead

Features:

- Operating Frequency of 18 GHz Max.
- Gold Plated Beryllium Copper Contact

Applications:

- General Purpose Test
- Rack and Panel Mount Applications
- Custom Cable Assemblies

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sales@fairviewmicrowave.com

Insulation	PTFE	
Body	Brass	Tri-Metal

Environmental Specifications

Temperature

Operating Range	-40 to +85 deg C
Storage Range	-40 to +85 deg C

Humidity	IEC 60169-1 16.3 (96 hours)
Vibration	IEC 60068-2-64 random
Thermal Shock	IEC 60169-1 16.4 (-40/+85°C)
Salt Spray	IEC 60109-1 16.7 (48 hrs)

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

Plotted and Other Data

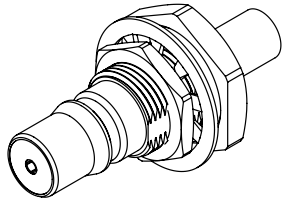
Notes:

QMA Female Bulkhead Mount Connector Crimp/Solder Attachment for RG174, RG316, RG188, 0.100 inch, LMR-100, .268 inch D Hole 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.

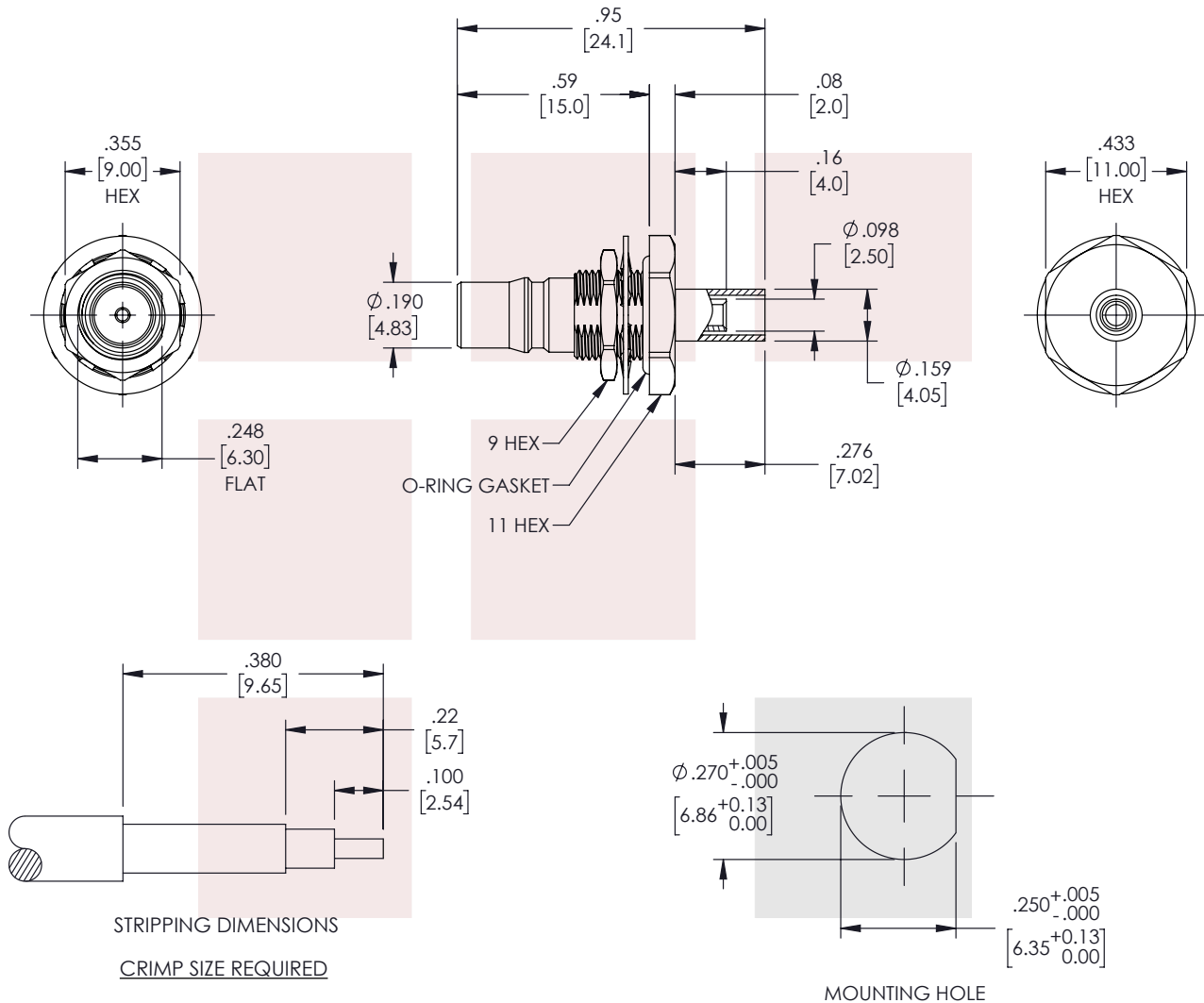
For additional information on this product, please click the following link: [QMA Female Bulkhead Mount Connector Crimp/Solder Attachment for RG174, RG316, RG188, 0.100 inch, LMR-100, .268 inch D Hole FMCN1895](#)

URL: <https://www.fairviewmicrowave.com/qma-female-rg174-rg316-rg188-.100-lmr-100-connector-fmcn1895-p.aspx>

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	02/21/2022	AGANWANI



STRIPPING DIMENSIONS

CRIMP SIZE REQUIRED

CONTACT: SOLDER
FERRULE: .128 [3.25] HEX CRIMP TOOL

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TITLE

QMA Female Bulkhead Mount Connector Crimp/Solder Attachment for RG174, RG316, RG188, 0.100 inch, LMR-100, .268 inch D Hole

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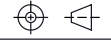
TOLERANCES:

.X = ±.2 [5.08] FRACTIONS
.XX = ±.02 [.51] ± 1/32
XXX = ±.005 [.13] ANGLES ± 1°

CABLE LENGTH (L) TOLERANCES:

L ≤ 12 [305] = +1 [25] / -0
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THIRD-ANGLE PROJECTION



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SHEET 1 OF 1

SCALE

N/A

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	3FKR5	A.KRESOWSKI	FMCN1895	A

T-Rev D

Times Microwave LMR-100A-PVC Low Loss Flexible Coax Cable Black PVC Jacket



LMR-100A-PVC



Times Microwave Systems Connector Specification

Configuration

- Low Loss, Indoor/Outdoor Flexible Cable
- 2 Shield(s)

Features

- Max Operating Frequency of 8 GHz

Applications

- General Purpose RF Interconnect
- Laboratory Applications

Description

LMR-100A coax cable from Fairview is only one of a large number of radio frequency twinaxial and coaxial cable types specifically stocked to be ready for quick shipment. Fairview Microwave LMR-100A-PVC coax cable is manufactured in a flexible design and has a 50 Ohm impedance. This low loss flexible 50 Ohm coax cable LMR-100A-PVC LMR-100A is constructed with a 0.11 inch diameter and PVC jacket.

LMR-100A-PVC flexible 50 Ohm coax cable with PVC jacket is rated for a 8 GHz maximum operating frequency. This 50 Ohm 0.11 inch diameter and low loss flexible coax cable is built with a shield count of 2 and RF shielding of 90 dB.

Fairview Microwave LMR-100A coax is constructed with PE dielectric and a maximum operating temperature of 85 degrees C. Times Microwave LMR-100A coax cable specs for this wire properties can be found on its RF coax cable LMR-100A datasheet PDF specifications above.

LMR-100A cable is part of more than one million RF, microwave and millimeter wave parts in stock at Fairview. This Times Microwave low loss LMR-100A coax cable is ready to buy and can be shipped worldwide. Fairview also maintains a wide selection of other radio frequency twinaxial and coaxial cable types that ship same-day from our warehouse as with the rest of our other RF/microwave and millimeter wave components.

* LMR™ is a trademark of Times Microwave Systems.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		8	GHz
Cutoff Frequency		90		GHz
Impedance		50		Ohms
Velocity of Propagation		66		%
Time Delay		1.54 [5.05]		ns/ft [ns/m]
Shielding Effectiveness	90			dB
Dielectric Withstanding Voltage (DC)			500	Vdc
Jacket Spark			2,000	Vrms
Inner Conductor DC Resistance			81	Ohms/1000ft

Times Microwave LMR-100A-PVC Low Loss Flexible Coax Cable Black PVC Jacket



LMR-100A-PVC

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Outer Conductor DC Resistance			9.5	Ohms/1000ft
Nominal Capacitance		30.8 [101.05]		pF/ft [pF/m]
Nominal Inductance		0.077 [0.25]		uH/ft [uH/m]
Input Power (Peak)			600	Watts

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	50	150	220	450	900	MHz
Attenuation, Typ	3.9	8.9	10.9	15.8	22.8	dB/100ft
	12.8	29.2	35.76	51.84	74.8	dB/100m
Input Power (CW), Max	230	100	83	57	39	Watts

Description	F6	F7	F8	F9	F10	Units
Frequency	1.5	1.8	2	2.5	8	GHz
Attenuation, Typ	30.1	33.2	35.2	39.8	64.1	dB/100ft
	98.75	108.92	115.49	130.58	210.3	dB/100m
Input Power (CW), Max	29	27	25	22	13	Watts

Mechanical Specifications

Diameter	0.11 in [2.79 mm]
Weight	0.009 lbs/ft [0.01 kg/m]
Min. Bend Radius (Installation)	0.25 in [6.35 mm]
Min. Bend Radius (Repeated)	1 in [25.4 mm]
Bending Moment	0.1 lbs-ft [0.14 N-m]
Tensile Strength	15 lbs [6.8 kg]
Flat Plate Crush	10 lbs/in [0.18 kg/mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper Clad Steel, 1 Strand	0.018 in [0.46 mm]
Conductor Type	Solid	
Dielectric	PE	0.06 in [1.52 mm]
First Shield	Aluminum Tape	
Second Shield	Tinned Copper Braid	
Jacket	PVC, Black	0.11 in [2.79 mm]

Times Microwave LMR-100A-PVC Low Loss Flexible Coax Cable Black PVC Jacket



LMR-100A-PVC

Environmental Specifications

Temperature

Operating Range	-40 to 85 deg C
Storage Range	-70 to 85 deg C

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

Plotted and Other Data

Notes:

Times Microwave LMR-100A-PVC Low Loss Flexible Coax Cable Black PVC Jacket 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: [Times Microwave LMR-100A-PVC Low Loss Flexible Coax Cable Black PVC Jacket LMR-100A-PVC](#)

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LMR-100A-PVC CAD Drawing
 Times Microwave LMR-100A-PVC Low Loss Flexible Coax Cable Black PVC Jacket

