

RA BMA Jack (Female) Connector Solder Attachment 2 Hole Flange for FM-SR141ALTN-COIL, FM-SR141CU- COIL, FM-SR141CUTN-COIL, FM-SR141TB Cable

FMCN5157



Configuration

- BMA Jack Connector
- 50 Ohms
- Right Angle Body Geometry
- Connector Interface Types: FM-SR141ALTN-COIL, FM-SR141CU-COIL, FM-SR141CUTN-COIL, FM-SR141TB, FM-SR141TBJ
- 2 Hole Flange

Features

- Operating Frequency of 8 GHz Max.
- Excellent VSWR of 1.2:1
- Blind Mate Connector
- Gold over Nickel over Copper Plated Brass Contact

Applications

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

Description

RA BMA Jack 2 hole Flange Mount Standard 2 hole Flange Mount Connector Solder Attachment for FM-SR141ALTN-COIL, FM-SR141CU-COIL, FM-SR141CUTN-COIL, FM-SR141TB and FM-SR141TBJ Cable, part number FMCN5157, from Fairview Microwave is in-stock and ships same day. This BMA jack connector operates up to a maximum frequency of 8 GHz and offers excellent VSWR of 1.2:1. This blind mate connector is ideal for applications without direct visual or tactile access to the connection point, for example, when two circuit boards need to be mated. Its right angle body geometry facilitates connections in tight spaces. Fairview's FMCN5157 2 hole flange BMA 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 RA BMA jack 2 hole flange connector FMCN5157 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		8	GHz
VSWR			1.2:1	
Insertion Loss			0.084	dB
Operating Voltage (AC)			1,000	Vrms
Dielectric Withstanding Voltage (AC)			1,500	Vrms
Inner Conductor DC Resistance			2	mOhms
Outer Conductor DC Resistance			2	mOhms
Insulation Resistance	5,000			MOhms
Impedance		50		Ohms

Mechanical Specifications

Size

Length	0.866 in [22 mm]
Width	0.748 in [19 mm]

RA BMA Jack (Female) Connector Solder Attachment
2 Hole Flange for FM-SR141ALTN-COIL, FM-SR141CU-
COIL, FM-SR141CUTN-COIL, FM-SR141TB Cable



FMCN5157

Height	0.748 in [19 mm]
Weight	0.024 lbs [10.89 g]

Material Specifications

Description	Material	Plating
Contact	Brass	Gold over Nickel over Copper
Contact Spring	Stainless Steel	
Insulation	PTFE	
Body	Brass	Gold over Nickel over Copper

Environmental Specifications

Temperature

Operating Range

-40 to +165 deg C

Humidity

MIL-STD-202, Method 106

Thermal Shock

MIL-STD-202, Method 107, Condition B

Salt Spray

MIL-STD-202, Method 101, Condition B

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

Plotted and Other Data

Notes:

RA BMA Jack (Female) Connector Solder Attachment 2 Hole Flange for FM-SR141ALTN-COIL, FM-SR141CU-COIL, FM-SR141CUTN-COIL, FM-SR141TB 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 BMA Jack \(Female\) Connector Solder Attachment 2 Hole Flange for FM-SR141ALTN-COIL, FM-SR141CU-COIL, FM-SR141CUTN-COIL, FM-SR141TB Cable FMCN5157](#)

URL: <https://www.fairviewmicrowave.com/product/rf-connectors/bma-jack-fm-sr141altn-coil-fm-sr141cu-coil-fm-sr-141cutn-coil-fm-sr141tb-fm-sr141tbj-connector-fmcn5157.html>

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.

RA BMA Jack (Female) Connector Solder Attachment 2 Hole Flange for FM-SR141ALTN-COIL, FM-SR141CU-COIL, FM-SR141CUTN-COIL, FM-SR141TB Cable



2.92mm Male Connector Solder Attachment for FM-SR141ALTN, FM-SR141TB, FM-SR141CUTN, RG402

2.92mm male connector with solder attachment for FM-SR141ALTN, FM-SR141TB, FM-SR141CUTN and RG402, part number FMCN1919, from Fairview Microwave is in-stock and ships same day.

Fairview's 2.92mm male connector FMCN1919 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.

Mechanical Specifications

Size

Length	0.37 in [9.4 mm]
Width/Dia.	0.32 in [8.13 mm]
Height	0.32 in [8.13 mm]
Weight	0.006 lbs [2.72 g]
Mating Torque	8 to 10 in-lbs [0.90 to 1.13 Nm]

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold over Nickel 50 µin minimum
Insulation	PCTFE	
Body	Stainless Steel	Gold over Nickel 50 µin minimum
Coupling Nut	Stainless Steel	Gold over Nickel 50 µin minimum

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

Plotted and Other Data

Notes:



Configuration:

- 2.92mm Male Connector
- 50 Ohms
- Straight Body Geometry
- FM-SR141ALTN, FM-SR141TB, FM-SR141CUTN, RG402 Interface Type
- Solder Attachment
- 5/16 inch Hex

Features:

- Gold over Nickel Plated Beryllium Copper Contact
- 50 µin minimum contact plating

Applications:

- General Purpose Test
- Custom Cable Assemblies

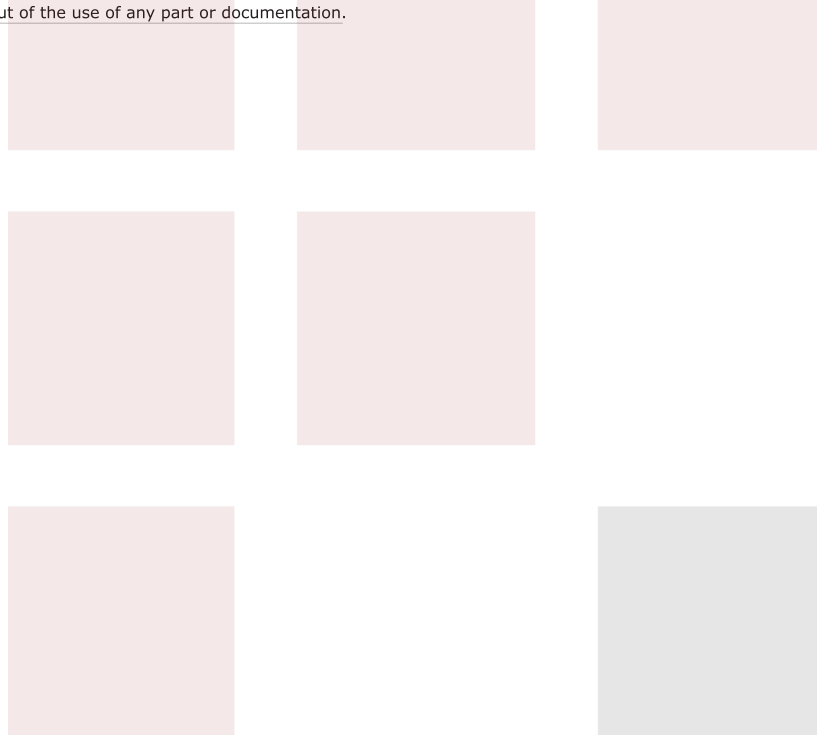
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2.92mm Male Connector Solder Attachment for FM-SR141ALTN, FM-SR141TB, FM-SR141CUTN, RG402 from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

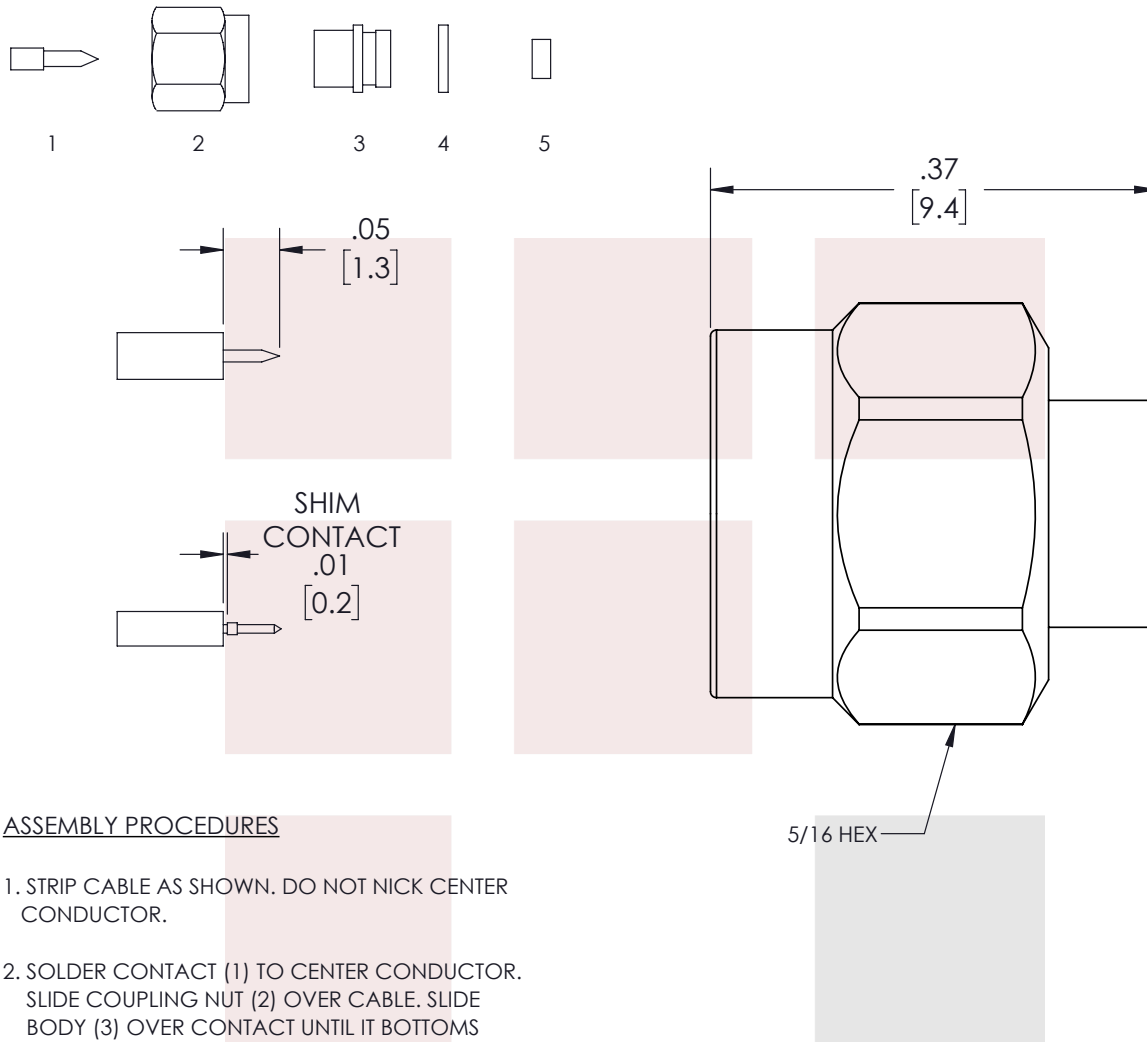
For additional information on this product, please click the following link: [2.92mm Male Connector Solder Attachment for FM-SR141ALTN, FM-SR141TB, FM-SR141CUTN, RG402 FMCN1919](#)

URL: <https://www.fairviewmicrowave.com/2.92mm-male-fm-sr141altn-fm-sr141tb-fm-sr141cutn-rg402-connector-fmcn1919-p.aspx>

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	06/07/22	AGANWANI



ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN. DO NOT NICK CENTER CONDUCTOR.
2. SOLDER CONTACT (1) TO CENTER CONDUCTOR. SLIDE COUPLING NUT (2) OVER CABLE. SLIDE BODY (3) OVER CONTACT UNTIL IT BOTTOMS OUT TO OUTER CONDUCTOR. SOLDER BODY (3) TO OUTER CONDUCTOR.
3. INSTALL GASKET (4) ONTO BODY (3). INSERT INSULATOR (5) INTO BODY (3) & SLIDE COUPLING NUT OVER ASSEMBLY.

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Fairview Microwave an INFINITe brand		UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS TOLERANCES: CABLE LENGTH (L) TOLERANCES: .X = ±.2 [5.08] FRACTIONS .XX = ±.02 [.51] ± 1/32 .XXX = ±.005 [.13] ANGLES ± 1° L ≤ 12 [305] = +1 [25] / -0 12 [305] < L ≤ 60 [1524] = +2 [51] / -0 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  THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF FAIRVIEW MICROWAVE CORPORATION. ALL RIGHTS RESERVED. SHEET 1 OF 1 SCALE N/A	
TITLE 2.92mm Male Connector Solder Attachment for FM-SR141ALTN, FM-SR141TB, FM-SR141CUTN, RG402		SIZE A CAGE CODE 3FKR5 DRAWN BY VTHANGARAJ ITEM NO. FMCN1919		REV A	

T-Rev.D

.141 Low Loss Semi-Rigid Coax Cable with Copper Outer Conductor and Microporous PTFE 76.5 pct VoP Dielectric, Straight Sections

Low loss 141 semi-rigid coax cable, part number FMBC007, from Fairview Microwave is in-stock and ships same day. This .141 inch diameter semi-rigid cable features a microporous PTFE dielectric and operates to a maximum frequency of 34 GHz. The outer conductor of this semirigid low loss coaxial cable is constructed from a continuous copper tube which minimizes attenuation and maximizes RF shielding performance. The microporous (low density) PTFE dielectric also reduces attenuation and offers the added benefits of phase stability vs. temperature and improved thermal stability.

Improved thermal stability of this microporous semi-rigid cable allows it to be soldered with minimal dielectric expansion and stress on the connectors. Fairview's low loss semi-rigid coax with microporous PTFE, FMBC007, datasheet with specifications and outline drawing are shown in the PDF below. Our extensive offering of RF, microwave and millimeter wave connections allow designers to configure and customize their signals however they like. From creating phase stable connections to reducing cable attenuation, Fairview Microwave has the right cable solutions to meet your needs.

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		34	GHz
Impedance		50		Ohms
Velocity of Propagation		76.5		%

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	5	10	18	GHz
Attenuation, Typ	7.5 24.61	10.5 34.45	24 78.74	34 111.55	46 150.92	dB/100ft dB/100m
Power In (CW), Max	820	580	240	170	130	Watts

Description	F6	F7	F8	F9	F10	Units
Frequency	20					GHz
Attenuation, Typ	52 170.6					dB/100ft dB/100m
Power In (CW), Max	115					Watts

Mechanical Specifications

Min. Bend Radius (Installation) 0.5 in [12.7 mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, Silver, 1 Strands ASTM B-298	0.04 in [1.02 mm]



Configuration:

- Low Loss Semi-Rigid Cable
- 1 Shield(s)

Features:

- Continuous Copper Outer Conductor
- Phase Stability vs. Temperature
- Low Density PTFE Dielectric
- Reduces Stress on Connectors
- High Isolation
- Supplied in 5 foot maximum straight lengths

Applications:

- Microporous Cable Assemblies
- Low Loss Interconnects
- High Isolation Cables
- Surface Mount
- Semi-Rigid Coaxial Cables

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sales@fairviewmicrowave.com

Conductor Type	Solid	
Dielectric	Microporous PTFE	0.118 in [3 mm]
Outer Conductor	Copper	0.141 in [3.58 mm]

Environmental Specifications

Temperature

Operating Range -65 to +200 deg C

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

Plotted and Other Data

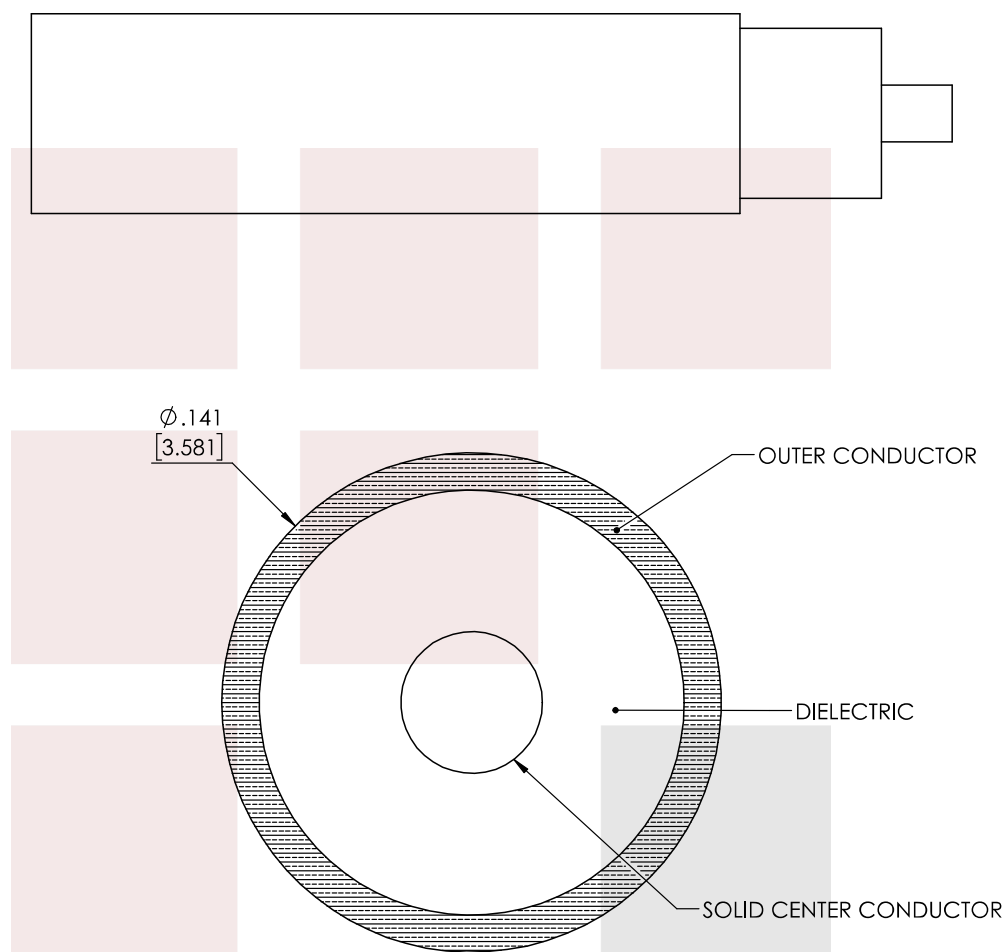
Notes:

.141 Low Loss Semi-Rigid Coax Cable with Copper Outer Conductor and Microporous PTFE 76.5 pct VoP Dielectric, Straight Sections 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: [.141 Low Loss Semi-Rigid Coax Cable with Copper Outer Conductor and Microporous PTFE 76.5 pct VoP Dielectric, Straight Sections FMBC007](#)

URL: <https://www.fairviewmicrowave.com/141-low-loss-semirigid-coax-cable-copper-straight-fmbc007-p.aspx>

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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:
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
.141 Low Loss Semi-Rigid Coax Cable with Copper
Outer Conductor and Microporous PTFE 76.5 pct VoP
Dielectric, Straight Sections

DWG NO FMBC007	CAGE CODE 3FKR5
CAD FILE 06/14/18	SHEET
SCALE N/A	SIZE A
CN2245	