

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



BMA Plug (Male) Bulkhead Connector Solder Attachment for FM-SR141ALTN-COIL, FM-SR141CU-COIL, FM-SR141TB Cable, VSWR 1.3



FMCN5152

Configuration

- BMA Plug Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: FM-SR141ALTN-COIL, FM-SR141CU-COIL, FM-SR141CUTN-COIL, FM-SR141TB, FM-SR141TBJ
- Bulkhead

Features

- Operating Frequency of 18 GHz Max.
- Good VSWR of 1.3:1
- Blind Mate Connector
- Gold over Nickel over Copper Plated Beryllium Copper Contact

Applications

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

Description

BMA Plug Bulkhead Standard Bulkhead Connector Solder Attachment for FM-SR141ALTN-COIL, FM-SR141CU-COIL, FM-SR141CUTN-COIL, FM-SR141TB and FM-SR141TBJ Cable, part number FMCN5152, from Fairview Microwave is in-stock and ships same day. This BMA plug connector operates up to a maximum frequency of 18 GHz and offers good VSWR of 1.3:1. 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. Fairview's FMCN5152 bulkhead 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 BMA plug bulkhead connector FMCN5152 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		18	GHz
VSWR			1.3:1	
Insertion Loss			0.127	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	0.689 in [17.5 mm]
Width	0.433 in [11 mm]
Height	0.433 in [11 mm]

BMA Plug (Male) Bulkhead Connector Solder Attachment for FM-SR141ALTN-COIL, FM-SR141CU-COIL, FM-SR141TB Cable, VSWR 1.3



FMCN5152

Weight	0.0075 lbs [3.4 g]
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Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold over Nickel over Copper
Insulation	PTFE	
Body	Brass	Copper-Tin-Zinc Alloy
Gasket	Silicone	
Washer	Brass	Copper-Tin-Zinc Alloy

Environmental Specifications

Temperature

Operating Range

-65 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:

BMA Plug (Male) Bulkhead Connector Solder Attachment for FM-SR141ALTN-COIL, FM-SR141CU-COIL, FM-SR141TB Cable, VSWR 1.3 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.

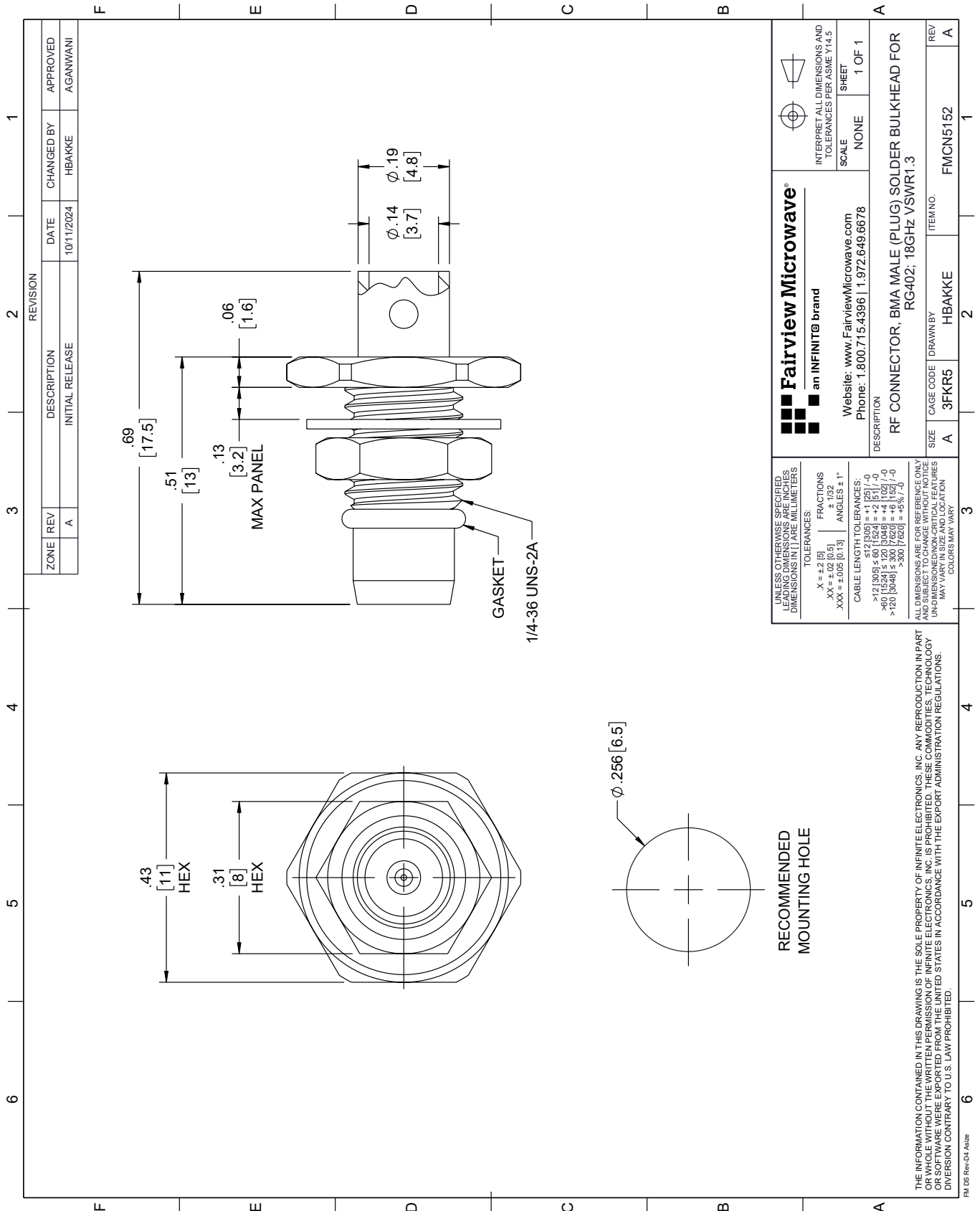
For additional information on this product, please click the following link: [BMA Plug \(Male\) Bulkhead Connector Solder Attachment for FM-SR141ALTN-COIL, FM-SR141CU-COIL, FM-SR141TB Cable, VSWR 1.3 FMCN5152](#)

URL: <https://www.fairviewmicrowave.com/product/rf-connectors/bma-plug-fm-sr141altn-coil-fm-sr141cu-coil-fm-sr-141cutn-coil-fm-sr141tb-fm-sr141tbj-connector-fmcn5152.html>

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BMA Plug (Male) Bulkhead Connector Solder Attachment for FM-SR141ALTN-COIL, FM-SR141CU-COIL, FM-SR141TB Cable, VSWR 1.3

BMA Plug (Male) Bulkhead Connector Solder Attachment for FM-SR141ALTN-COIL, FM-SR141CU-COIL, FM-SR141TB Cable, VSWR 1.3



.141 Semi-rigid Formable Coax Cable Black FEP Jacket

Formable semi-rigid coax is a hand formable version of standard semi-rigid that does not require complicated and costly preformed cable assemblies. Because the dimensions and electrical characteristics are so closely matched to semi-rigid coax, standard semi-rigid connectors can be used. The tin soaked copper braid outer shield provides excellent RF shielding. FEP Jacket reduces the chance of shorting exposed contacts or circuit conductors.

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		20	GHz
Cutoff Frequency		34		GHz
Impedance		50		Ohms
Velocity of Propagation		70		%
Time Delay		1.43 [4.69]		ns/ft [ns/m]
Shielding Effectiveness	110			dB
Operating Voltage (AC)			1,900	Vrms
Nominal Capacitance		29 [95.14]		pF/ft [pF/m]

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	5	10	20	GHz
Attenuation, Typ	8 26.25	12 39.37	29 95.14	45 147.64	70 229.66	dB/100ft dB/100m

Mechanical Specifications

Diameter	0.161 in [4.09 mm]
Weight	0.032 lbs/ft [0.05 Kg/m]
Min. Bend Radius (Installation)	0.315 in [8 mm]
Min. Bend Radius (Repeated)	1.575 in [40.01 mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper Clad Steel, Silver, 1 Strands	0.036 in [0.91 mm]
Conductor Type	Solid	
Dielectric	PTFE	0.117 in [2.97 mm]
First Shield	Tinned Copper Braid	
Jacket	FEP, Black	0.161 in [4.09 mm]



Configuration:

- Formable Cable
- 1 Shield(s)

Features:

- Dimensionally the same as standard solid outer conductor semi-rigid coax
- Standard semi-rigid connectors can be used
- Cable is hand formable and does not require special tools to bend
- Connectors are easily soldered to Tin soaked outer conductor
- Cable can be formed more than once without damage to outer conductor
- High RF Shielding >100 dB

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Environmental Specifications

Temperature

Operating Range -65 to 150 deg C

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

Plotted and Other Data

Notes:

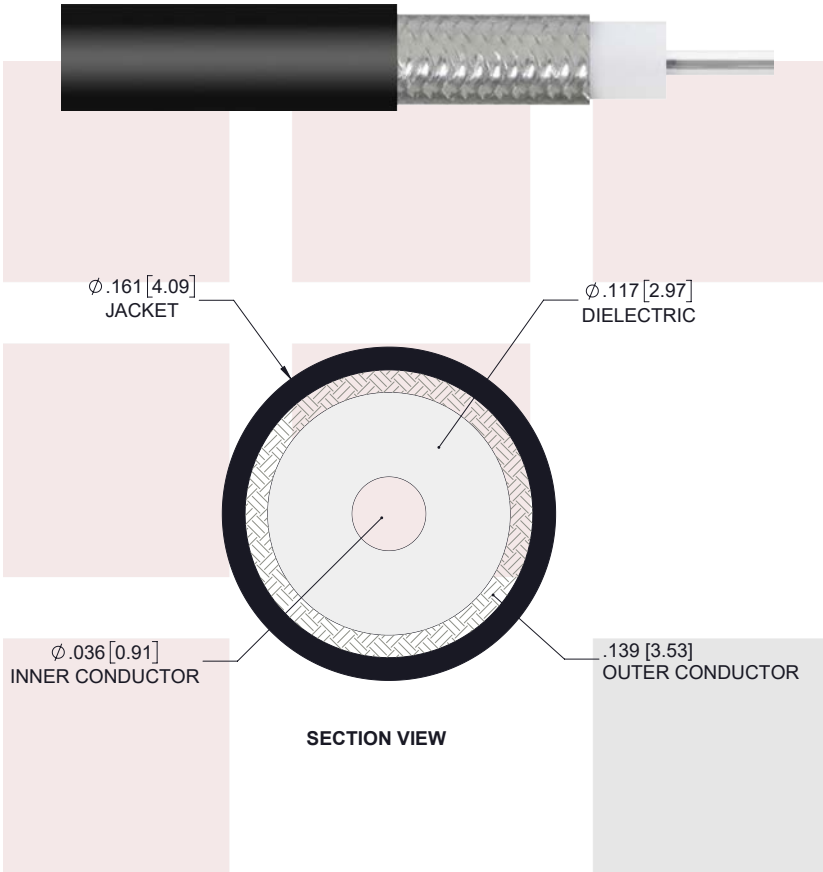
.141 Semi-rigid Formable Coax Cable Black FEP Jacket from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [.141 Semi-rigid Formable Coax Cable Black FEP Jacket FM-SR141TBJ](#)

URL: <https://www.fairviewmicrowave.com/fm-sr141tbj-formable-coax-cable-fep-jacket-fm-sr141tbj-p.aspx>

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	11/22/19	S.ELLIS



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TITLE .141 Semi-rigid Formable Coax Cable Black FEP Jacket		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			
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SIZE A	CAGE CODE 3FKR5	DRAWN BY K.DANG		PART NUMBER FM-SR141TBJ		REV A	

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