

2.92mm Female Connector Clamp/Solder Attachment for FM-SR141ALTN, FM-SR141TB, RG402

2.92mm female connector with clamp/solder attachment for FM-SR141ALTN, FM-SR141TB and RG402, part number FMCN1902, from Fairview Microwave is in-stock and ships same day.

Fairview's 2.92mm female connector FMCN1902 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	0.95 in [24.13 mm]
Width/Dia.	0.37 in [9.40 mm]
Height	0.37 in [9.4 mm]
Weight	0.024 lbs [10.89 g]

Material Specifications

Description	Material	Plating
Contact		Gold
Insulation	PPO	
Body	Passivated Stainless Steel	

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

Plotted and Other Data

Notes:



Configuration:

- 2.92mm Female Connector
- 50 Ohms
- Straight Body Geometry
- FM-SR141ALTN, FM-SR141TB, RG402 Interface Type
- Clamp/Solder Attachment

Features:

- Gold Plated Contact

Applications:

- General Purpose Test
- Custom Cable Assemblies

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2.92mm Female Connector Clamp/Solder Attachment for FM-SR141ALTN, FM-SR141TB, 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.

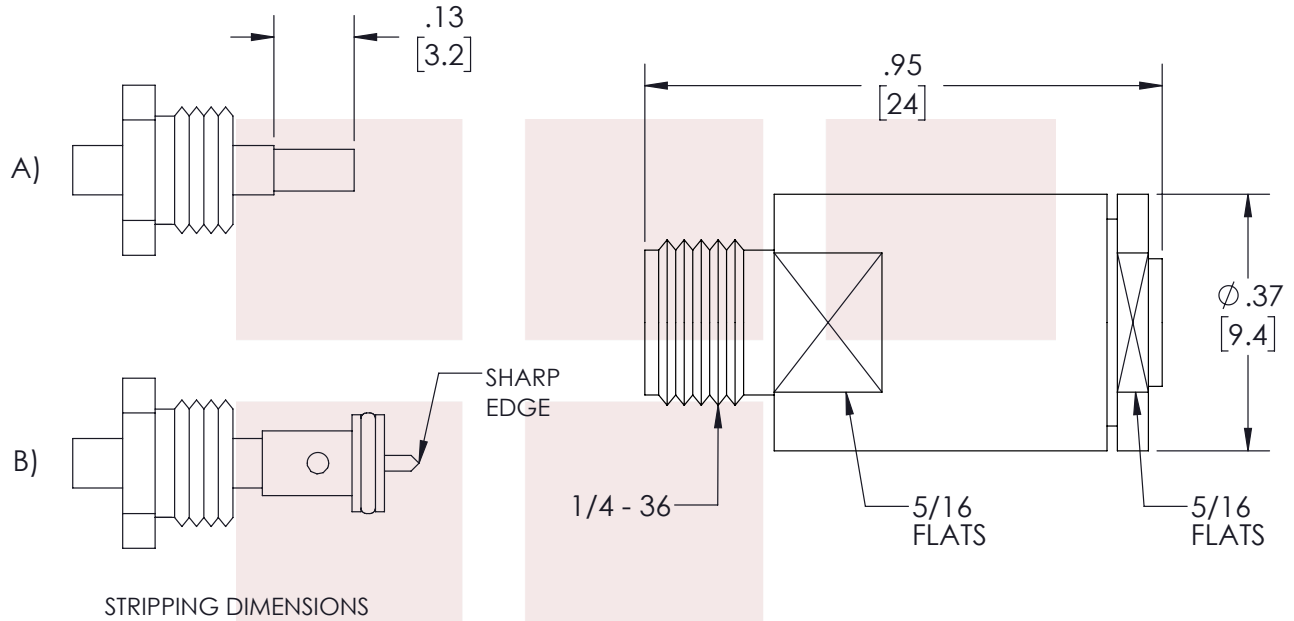
For additional information on this product, please click the following link: [2.92mm Female Connector Clamp/Solder Attachment for FM-SR141ALTN, FM-SR141TB, RG402 FMCN1902](#)

URL: <https://www.fairviewmicrowave.com/2.92mm-female-fm-sr141altn-fm-sr141tb-rg402-connector-fmcn1902-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	06/07/22	AGANWANI



ASSEMBLY PROCEDURES

1. SLIDE CLAMP NUT OVER CABLE. STRIP CABLE AS SHOWN IN (A). DO NOT NICK DIELECTRIC.
2. INSERT CABLE THRU ADAPTER UNTIL IT BOTTOMS OUT. SOLDER OUTER CONDUCTOR TO ADAPTER & TRIMS DIELECTRIC AS SHOWN IN (B).
3. SCREW ASSEMBLY INTO BODY & TIGHTEN NUT.

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<p>Fairview Microwave an INFINIT® brand</p>	<p>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS</p> <p>TOLERANCES: CABLE LENGTH (L) TOLERANCES:</p> <p>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</p> <p>.X = ±.2 [5.08] FRACTIONS ± 1/32 .XX = ±.02 [.51] ANGLES ± 1° .XXX = ±.005 [.13]</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>TITLE</p> <p>2.92mm Female Connector Clamp/Solder Attachment for FM-SR141ALTN, FM-SR141TB, RG402</p>	<p>ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.</p> <p>SCALE: N/A</p>
<p>SIZE A</p> <p>CAGE CODE 3FKR5</p> <p>DRAWN BY VTHANGARAJ</p> <p>ITEM NO. FMCN1902</p>	<p>REV A</p>	

T-Rev.D

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

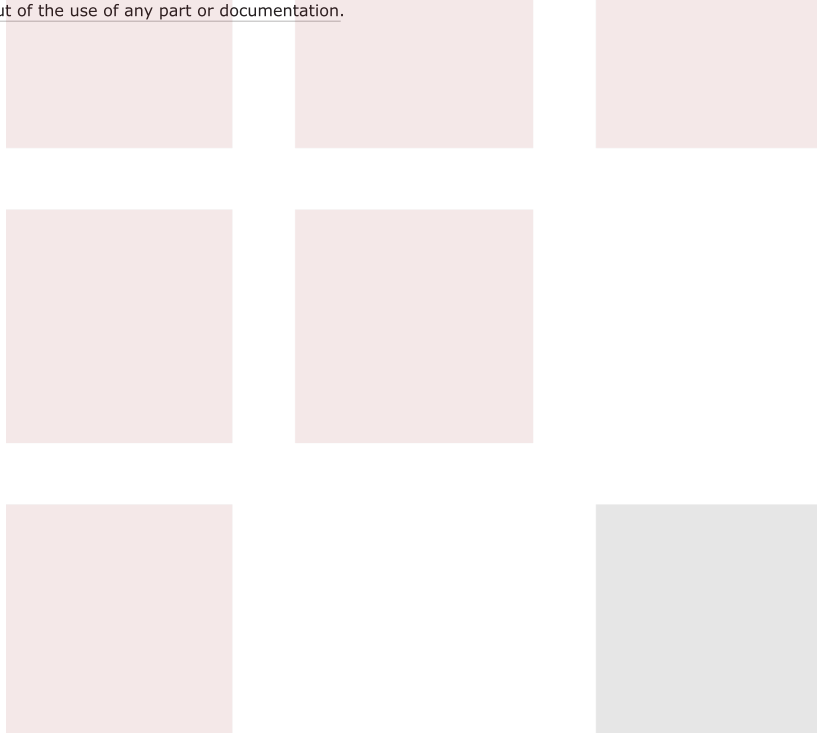
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2.92mm Male Connector Solder Attachment for FM-SR141ALTN, FM-SR141TB, FM-SR141CUTN, RG402 from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified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

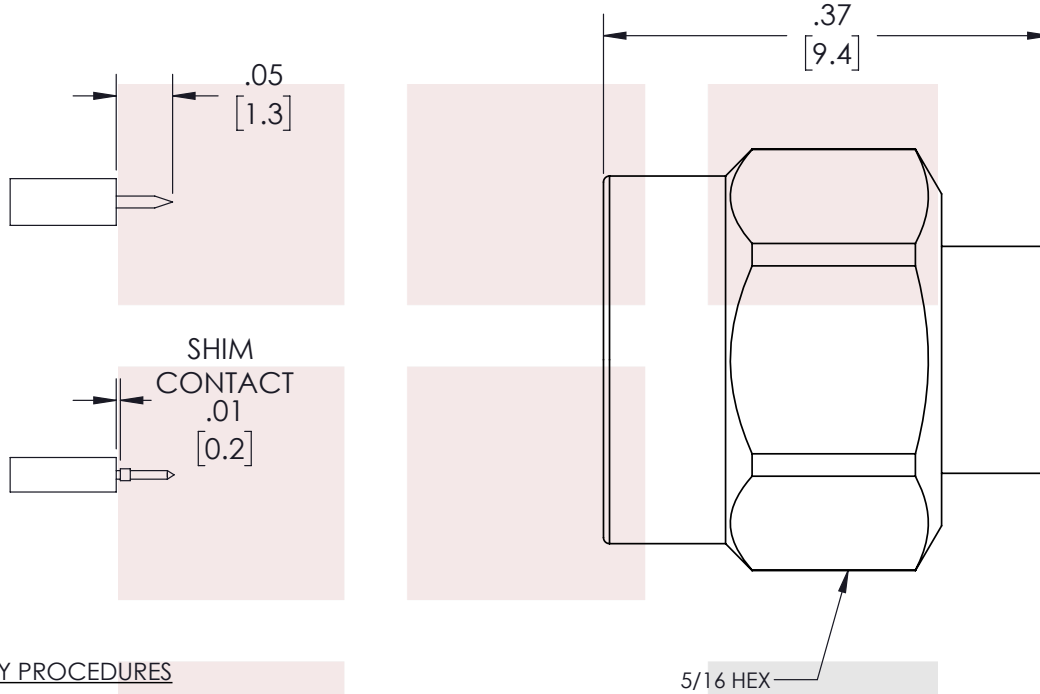
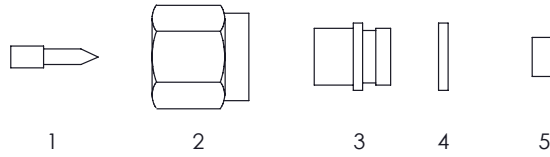
For additional information on this product, please click the following link: [2.92mm Male Connector Solder Attachment for FM-SR141ALTN, FM-SR141TB, FM-SR141CUTN, RG402 FMCN1919](#)

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
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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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TITLE

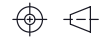
2.92mm Male Connector Solder Attachment for FM-SR141ALTN, FM-SR141TB, FM-SR141CUTN, RG402

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

TOLERANCES: CABLE LENGTH (L) TOLERANCES:

.X = ±.2 [5.08]	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

THIRD-ANGLE PROJECTION



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SHEET 1 OF 1

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

SCALE N/A

SIZE A	CAGE CODE 3FKR5	DRAWN BY VTHANGARAJ	ITEM NO. FMCN1919	REV A
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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	10.5	24	34	46	dB/100ft
	24.61	34.45	78.74	111.55	150.92	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					dB/100ft
	170.6					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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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**

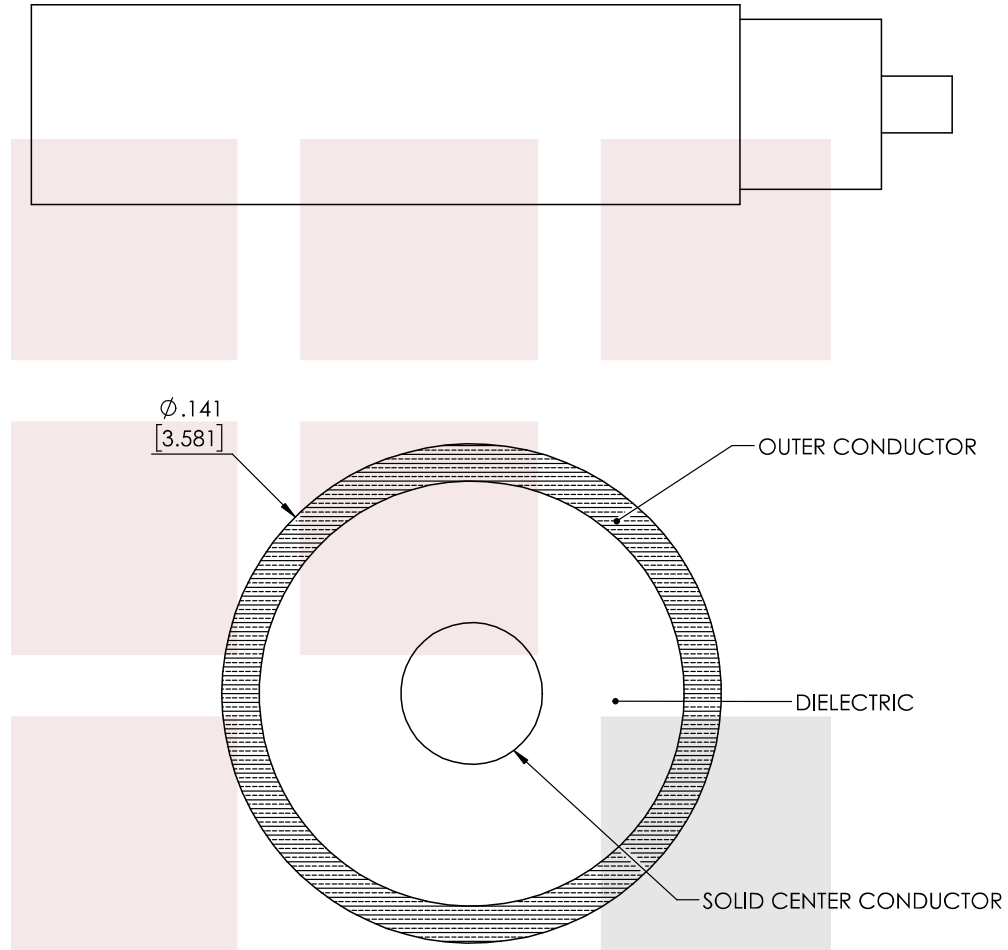
Notes:

.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

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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