

RA N Female Bulkhead Low PIM Connector Solder Attachment for FM-SR141TB, FM-SR141TBJ, FM-SR141CU-STR, FM-SR141CUTN-COIL Cable

RA type N female bulkhead connector with solder/solder attachment for FM-SR141TB, FM-SR141TBJ, FM-SR141CU-STR and FM-SR141CUTN-COIL, part number FMCN1931, from Fairview Microwave is in-stock and ships same day. This type N female connector operates up to a maximum frequency of 6 GHz. Its right angle body geometry facilitates connections in tight spaces. Fairview's FMCN1931 bulkhead type N 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 type N female bulkhead connector FMCN1931 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.



Configuration:

- N Female Connector
- 50 Ohms
- Right Angle Body Geometry
- FM-SR141TB, FM-SR141TBJ, FM-SR141CU-STR, FM-SR-141CUTN-COIL Interface Type
- Solder/Solder Attachment
- Bulkhead
- Low PIM Design

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		6	GHz
Insertion Loss			0.15	dB
DWV (AC)			1,000	Vrms

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Freq. Range	DC to 3	3 to 6				GHz
VSWR, Max	1.15:1	1.35:1				

Electrical Specification Notes:

Insertion Loss is measured as $< 0.06 * \text{SQRT}(f(\text{GHz}))(\text{dB})$

Mechanical Specifications

Size

Length	1.41 in [35.81 mm]
Width/Dia.	0.87 in [22.10 mm]
Height	0.87 in [22.1 mm]
Weight	0.094 lbs [42.64 g]

Material Specifications

Description	Material	Plating
Contact	Bronze	Silver
Insulation	PTFE	
Body	Brass	Tri-Metal
Coupling Nut	Brass	Tri-Metal

Features:

- Operating Frequency of 6 GHz Max.
- Silver Plated Bronze Contact

Applications:

- General Purpose Test
- Rack and Panel Mount Applications
- Wireless Communications
- Custom Cable Assemblies
- Low PIM Applications

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Environmental Specifications

Temperature

Operating Range -65 to +155 deg C

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

Plotted and Other Data

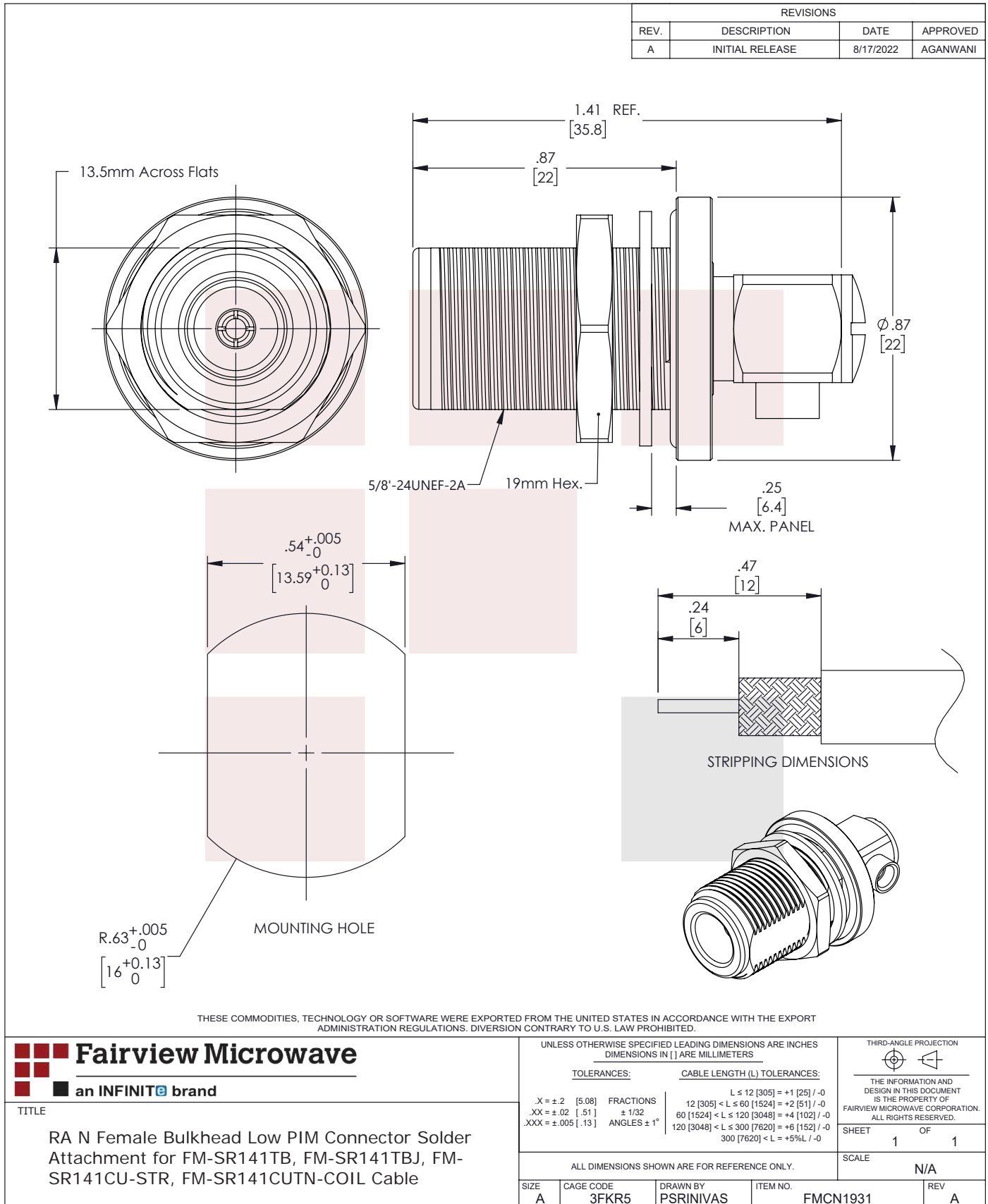
Notes:

RA N Female Bulkhead Low PIM Connector Solder Attachment for FM-SR141TB, FM-SR141TBJ, FM-SR141CU-STR, FM-SR141CUTN-COIL 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 N Female Bulkhead Low PIM Connector Solder Attachment for FM-SR141TB, FM-SR141TBJ, FM-SR141CU-STR, FM-SR141CUTN-COIL Cable FMCN1931](#)

URL: <https://www.fairviewmicrowave.com/n-female-fm-sr141tb-fm-sr141tbj-fm-sr141cu-str-fm-sr141cutn-coil-connec-tor-fmcn1931-p.aspx>

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SMA Male Low PIM Connector Solder Attachment for FM-SR141TB, FM-SR141TBJ, FM-SR141CU-STR, FM-SR141CUTN-COIL Cable

SMA male connector with solder/solder attachment for FM-SR141TB, FM-SR141TBJ, FM-SR141CU-STR and FM-SR141CUTN-COIL, part number FMCN1939, from Fairview Microwave is in-stock and ships same day. This SMA male connector operates up to a maximum frequency of 26 GHz. The SMA male connector also has low passive intermodulation (PIM) of -155 dBc.

Fairview's SMA male connector FMCN1939 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		26	GHz
Passive Intermodulation			-155	dBc
DWV (AC)			750	Vrms

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Freq. Range	DC to 18	18 to 26				GHz
VSWR, Max	1.25:1	1.35:1				

Mechanical Specifications

Size	
Length	0.5 in [12.7 mm]
Width/Dia.	0.36 in [9.14 mm]
Height	0.36 in [9.14 mm]
Weight	0.006 lbs [2.72 g]

Material Specifications

Description	Material	Plating
Contact	Brass	Silver
Insulation	PTFE	
Body	Brass	Tri-Metal
Coupling Nut	Brass	Tri-Metal



Configuration:

- SMA Male Connector
- 50 Ohms
- Straight Body Geometry
- FM-SR141TB, FM-SR141TBJ, FM-SR141CU-STR, FM-SR-141CUTN-COIL Interface Type
- Solder/Solder Attachment
- Low PIM Design

Features:

- Operating Frequency of 26 GHz Max.
- PIM levels better than -155 dBc
- Silver Plated Brass Contact

Applications:

- General Purpose Test
- Wireless Communications
- Custom Cable Assemblies
- Low PIM Applications

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Environmental Specifications

Temperature

Operating Range -40 to +155 deg C

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

Plotted and Other Data

Notes:

SMA Male Low PIM Connector Solder Attachment for FM-SR141TB, FM-SR141TBJ, FM-SR141CU-STR, FM-SR141CUTN-COIL 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: [SMA Male Low PIM Connector Solder Attachment for FM-SR141TB, FM-SR141TBJ, FM-SR141CU-STR, FM-SR141CUTN-COIL Cable FMCN1939](#)

URL: <https://www.fairviewmicrowave.com/sma-male-fm-sr141tb-fm-sr141tbj-fm-sr141cu-str-fm-sr141cutn-coil-connector-fmcn1939-p.aspx>

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	8/17/2022	AGANWANI

STRIPPING DIMENSIONS

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<div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div>Fairview Microwave</div><div>an INFINITE brand</div></div></div> <div>TITLE</div> <div>SMA Male Low PIM Connector Solder Attachment for FM-SR141TB, FM-SR141TBJ, FM-SR141CU-STR, FM-SR141CUTN-COIL Cable</div>	<div>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS</div> <div><div>TOLERANCES:</div><div>CABLE LENGTH (L) TOLERANCES:</div></div> <div><div>.X = ±.2 [5.08] FRACTIONS .XX = ±.02 [.51] ± 1/32 XXX = ±.005 [.13] ANGLES ± 1°</div><div>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</div></div> <div>ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.</div> <div><div>SIZE A</div><div>CAGE CODE 3FKR5</div><div>DRAWN BY PSRINIVAS</div><div>ITEM NO. FMCN1939</div><div>REV A</div></div>	<div>THIRD-ANGLE PROJECTION</div> <div></div> <div>THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF FAIRVIEW MICROWAVE CORPORATION. ALL RIGHTS RESERVED.</div> <div>SHEET 1 OF 1</div> <div>SCALE N/A</div>
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RG402 Type .141 Semi-Rigid Coax Cable with a Tin Plated Aluminum Outer Conductor in Coiled Sections

.141 diameter semi-rigid coaxial cable is the cable of choice for many RF and Microwave engineers. 0.141 cables sometimes referred to as RG402 based on the mil specification for semi-rigid cable of this diameter has a maximum operating frequency of 36 GHz. This form factor is widely used in the RF industry and many connector series and configurations are available for this cable. Because of the solid copper wall design the cable can be formed using proper tooling with a minimum inside bend radius of 0.125 inches.

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		36	GHz
Impedance		50		Ohms
DWV (AC)			5,000	Vrms

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	1	10	20			GHz
Attenuation, Typ	13 42.65	46 150.92	71 232.94			dB/100ft dB/100m
Power In (CW), Max	450	120	70			Watts

Mechanical Specifications

Min. Bend Radius (Installation) 0.125 in [3.18 mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper Clad Steel, Silver	0.036 in [0.91 mm]
Conductor Type	Solid	
Dielectric	PTFE	0.118 in [3 mm]
Outer Conductor	Aluminum, Tin	0.141 in [3.58 mm]

Environmental Specifications

Temperature

Operating Range -55 to +125 deg C

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

Plotted and Other Data

Notes:

Configuration:

- Semi-Rigid Cable
- 0 Shield(s)

Features:

- Silver Plated Copper Clad Steel center conductor
- PTFE dielectric material
- Aluminum Tinned Outer Conductor
- Operating to 36 GHz
- Minimum inside bend radius of 0.125 inches
- ROHS compliant

Applications:

- RF and Microwave Cable Assemblies to 36 GHz
- Preformed cable assemblies to insure fit and layout
- Test Equipment port jumpers

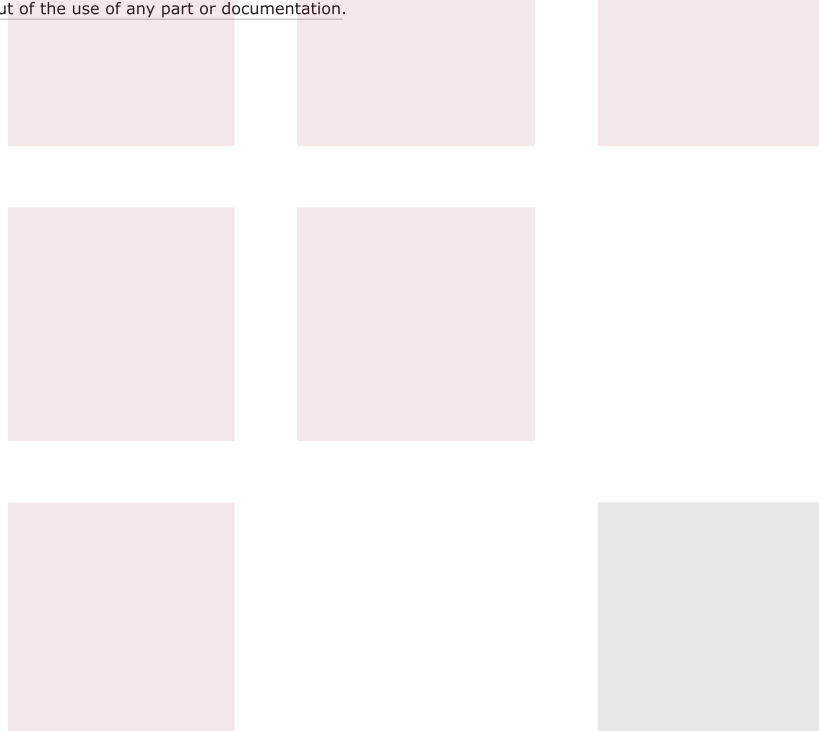
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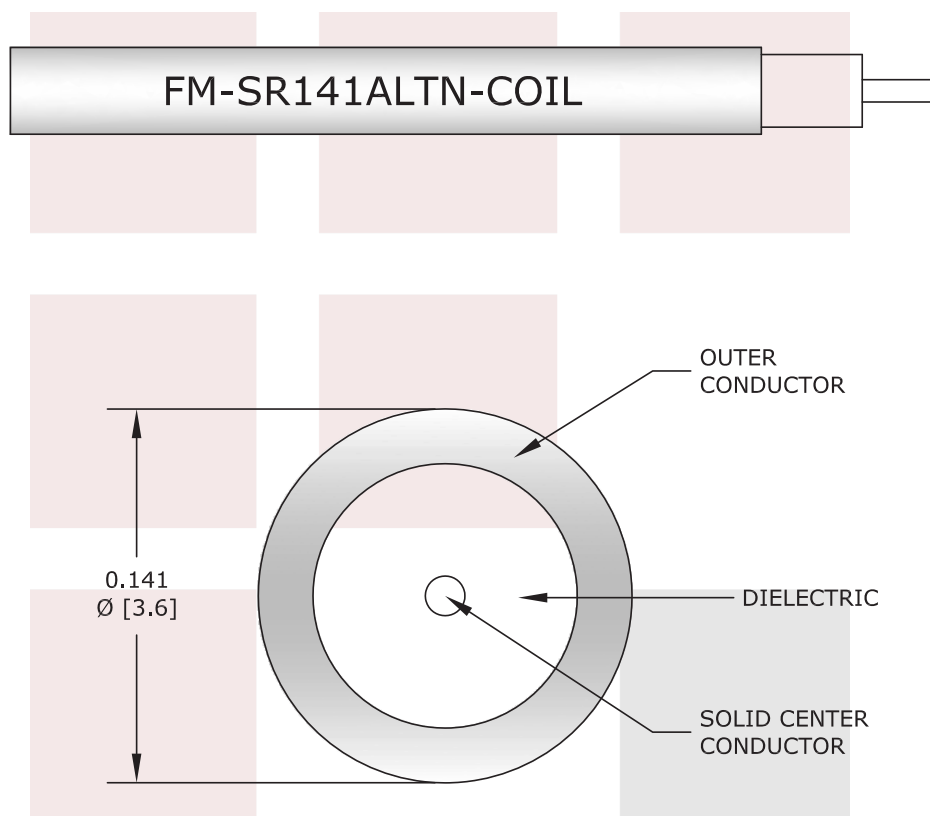
RG402 Type .141 Semi-Rigid Coax Cable with a Tin Plated Aluminum Outer Conductor in Coiled Sections from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [RG402 Type .141 Semi-Rigid Coax Cable with a Tin Plated Aluminum Outer Conductor in Coiled Sections FM-SR141ALTN-COIL](#)

URL: <https://www.fairviewmicrowave.com/rg402-type-.141-semi-rigid-coax-cable-tin-plated-aluminum-fm-sr141altn-coil-p.aspx>

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TITLE RG402 Type .141 Semi-Rigid Coax Cable with a Tin Plated Aluminum Outer Conductor in Coiled Sections	DWG NO FM-SR141ALTN-COIL		CAGE CODE 3FKR5		
	CAD FILE 012716	SHEET	SCALE N/A	SIZE A	2233