

SMA Male Non-Magnetic Connector Solder Attachment for 0.141 Semi-Rigid, FM-141FL-NM, FM-SR141-NM Cable



FMCN5343

Configuration

- SMA Male Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: 0.141 Semi-Rigid, FM-141FL-NM, FM-SR141-NM
- Non-Magnetic Design

Features

- Operating Frequency of 18 GHz Max.
- Excellent VSWR of 1.25:1
- Gold Plated Contact
- Contact plating according to MIL-G-45204

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

SMA Male Connector Solder Attachment for 0.141 Semi-Rigid, FM-141FL-NM and FM-SR141-NM Cable, part number FMCN5343, from Fairview Microwave is in-stock and ships same day. This SMA male connector operates up to a maximum frequency of 18 GHz and offers excellent VSWR of 1.25:1.

Fairview's SMA male connector FMCN5343 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			1.25:1	
Insertion Loss			0.169	dB
Impedance		50		Ohms

Mechanical Specifications

Size

Length	0.312 in [7.92 mm]
Width	0.312 in [7.92 mm]
Height	0.44 in [11.18 mm]
Weight	0.002 lbs [0.91 g]
Mating Cycles	500 Cycles

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Material Specifications

Description	Material	Plating
Contact		Gold MIL-G-45204
Insulation	PTFE	
Body	Brass	Gold ASTM-B-16
Coupling Nut	Brass	Gold ASTM-B-16
Retaining Ring	Beryllium Copper	
Gasket	Silicone	

Environmental Specifications

Temperature

Operating Range -65 to +165 deg C

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

Plotted and Other Data

Notes:

SMA Male Non-Magnetic Connector Solder Attachment for 0.141 Semi-Rigid, FM-141FL-NM, FM-SR141-NM 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.

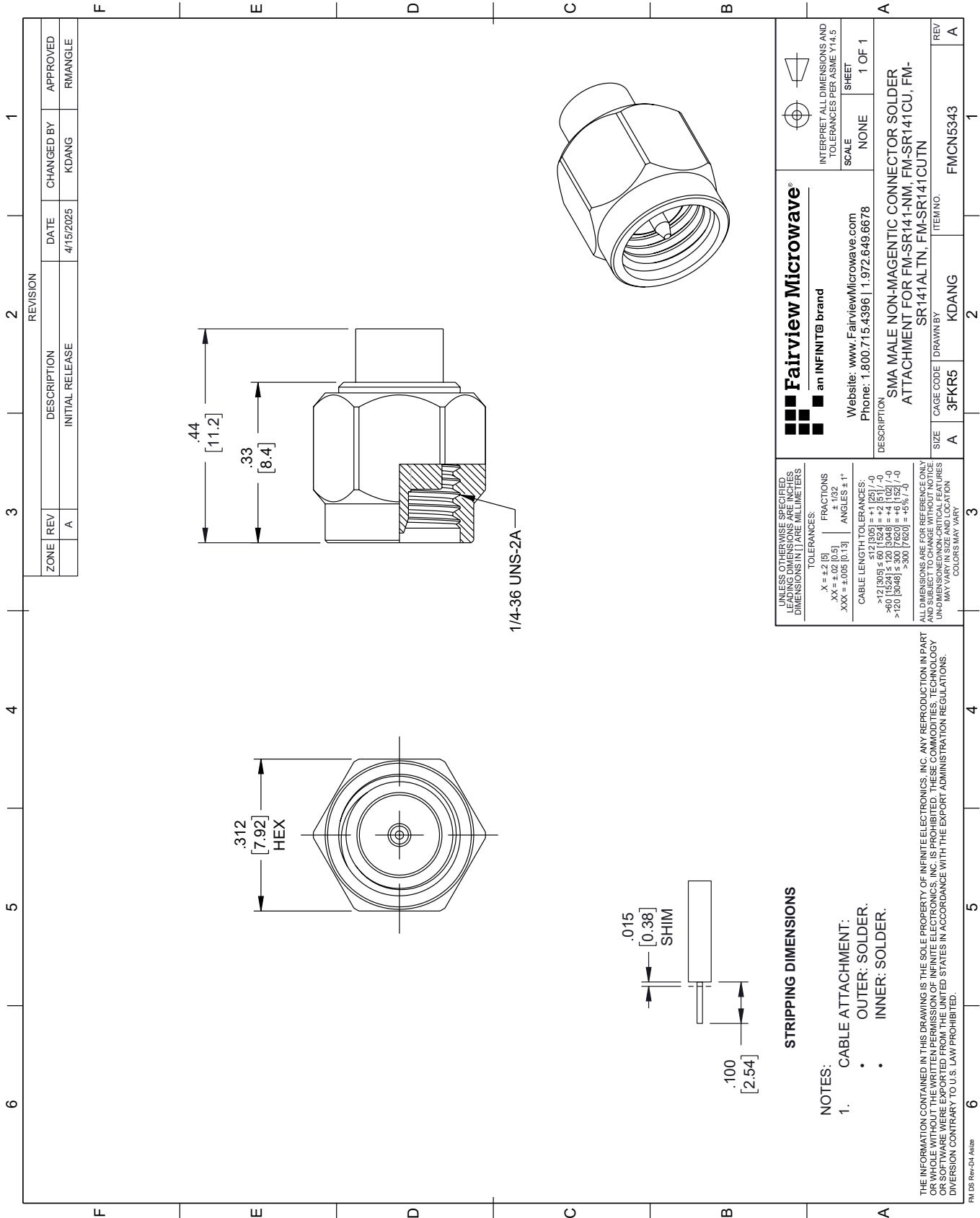
For additional information on this product, please click the following link: [SMA Male Non-Magnetic Connector Solder Attachment for 0.141 Semi-Rigid, FM-141FL-NM, FM-SR141-NM Cable FMCN5343](#)

URL: <https://www.fairviewmicrowave.com/product/rf-connectors/sma-male-0.141-semi-rigid-fm-141fl-nm-fm-sr141-nm-connector-fmcn5343.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.

FMCN5343 CAD Drawing

SMA Male Non-Magnetic Connector Solder Attachment for 0.141 Semi-Rigid, FM-141FL-NM, FM-SR141-NM Cable



REVISION		DESCRIPTION	DATE	CHANGED BY	APPROVED
ZONE	REV	INITIAL RELEASE	4/15/2025	KDANG	RMANGLE
A	A				

Fairview Microwave
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DESCRIPTION: SMA MALE NON-MAGNETIC CONNECTOR SOLDER ATTACHMENT FOR FM-SR141-NM, FM-SR141CU, FM-SR141ALTN, FM-SR141CUTN

SCALE: NONE SHEET: 1 OF 1

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
A			KDANG	

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

TOLERANCES:
 .X = ±.2 [5] FRACTIONS ± 1/32
 .XX = ±.02 [0.5] ANGLES ± 1°
 .XXX = ±.005 [0.13]

CABLE LENGTH TOLERANCES:
 <12 [305] ≤ 60 [1524] = +.1 [25] / -0
 >60 [1524] ≤ 120 [3048] = +.4 [102] / -0
 >120 [3048] ≤ 300 [7620] = +.5% / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNDIMENSIONED NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.

STRIPPING DIMENSIONS

NOTES:
 1. CABLE ATTACHMENT:
 • OUTER: SOLDER.
 • INNER: SOLDER.

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