

2.92mm Male Space Connector Clamp/ Solder Attachment for FM-R135LL Cable

FMCN5143



Configuration

- 2.92mm Male Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: FM-R135LL
- Space Design

Features

- Operating Frequency of 40 GHz Max.
- Excellent VSWR of 1.25:1
- Gold Plated Brass Contact
- 30 µin min per ASTM-B-488 over 50 µin min Nickel per AMS-QQ-N-290 contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies
- Low Earth Orbit (LEO)
- Space Applications (Exploration, Launches, Maintenance, Stations)
- Ground Systems
- Satellites
- Launch Vehicles
- Rover Vehicles

Description

2.92mm Male Space Connector Clamp/Solder Attachment for FM-R135LL Cable, part number FMCN5143, from Fairview Microwave is in-stock and ships same day. This 2.92mm male connector operates up to a maximum frequency of 40 GHz and offers excellent VSWR of 1.25:1. The brass contact material for this connector has a gold plating while the body is a passivated stainless steel material. This FMCN5143 2.92mm male connector is designed for space applications such as satellites, space exploration, space stations, and low Earth orbit (LEO).

Fairview's 2.92mm male connector FMCN5143 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		40	GHz
VSWR			1.25:1	
Impedance		50		Ohms

Mechanical Specifications

Size

Length	1.52 in [38.61 mm]
Width	0.437 in [11.1 mm]
Height	0.437 in [11.1 mm]
Weight	0.019 lbs [8.62 g]

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Material Specifications

Description	Material	Plating
Contact	Brass	Gold 30 µin min per ASTM-B-488 over 50 µin min Nickel per AMS-QQ-N-290
Insulation	PTFE	
Body	Stainless Steel	Passivated AMS-2700
Retaining Ring	Beryllium Copper	
Gasket	Silicone Rubber	
Crimp Sleeve	Brass	Gold
O-Ring	Silicone Rubber	

Mechanical Specification Notes:
Interface in accordance with MIL-STD-348

Environmental Specifications

Temperature
Operating Range -65 to +165 deg C

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

Plotted and Other Data

Notes:

2.92mm Male Space Connector Clamp/Solder Attachment for FM-R135LL 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: [2.92mm Male Space Connector Clamp/Solder Attachment for FM-R135LL Cable FMCN5143](#)

URL: <https://www.fairviewmicrowave.com/product/rf-connectors/2.92mm-male-fm-r135ll-connector-fmcn5143.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.

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