

TNC Male Space Connector Clamp/Solder Attachment for FM-R200LL Cable



FMCN5145

Configuration

- TNC Male Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: FM-R200LL
- Space Design

Features

- Operating Frequency of 18 GHz Max.
- Excellent VSWR of 1.2:1
- Gold Plated Brass Contact
- 30 μ m min per ASTM-B-488 over 50 μ m 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

TNC Male Space Connector Clamp/Solder Attachment for FM-R200LL Cable, part number FMCN5145, from Fairview Microwave is in-stock and ships same day. This TNC male connector operates up to a maximum frequency of 1.8 GHz and offers excellent VSWR of 1.2:1. The brass contact material for this connector has a gold plating while the body is a passivated stainless steel material. This FMCN5145 TNC male connector is designed for space applications such as satellites, space exploration, space stations, and low Earth orbit (LEO).

Fairview's TNC male connector FMCN5145 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			1.2:1	
Impedance		50		Ohms

Mechanical Specifications

Size

Length	1.39 in [35.31 mm]
Width	0.375 in [9.53 mm]
Height	0.375 in [9.53 mm]
Weight	0.05 lbs [22.68 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
Gasket	Silicone Rubber	
Crimp Sleeve	Brass	
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

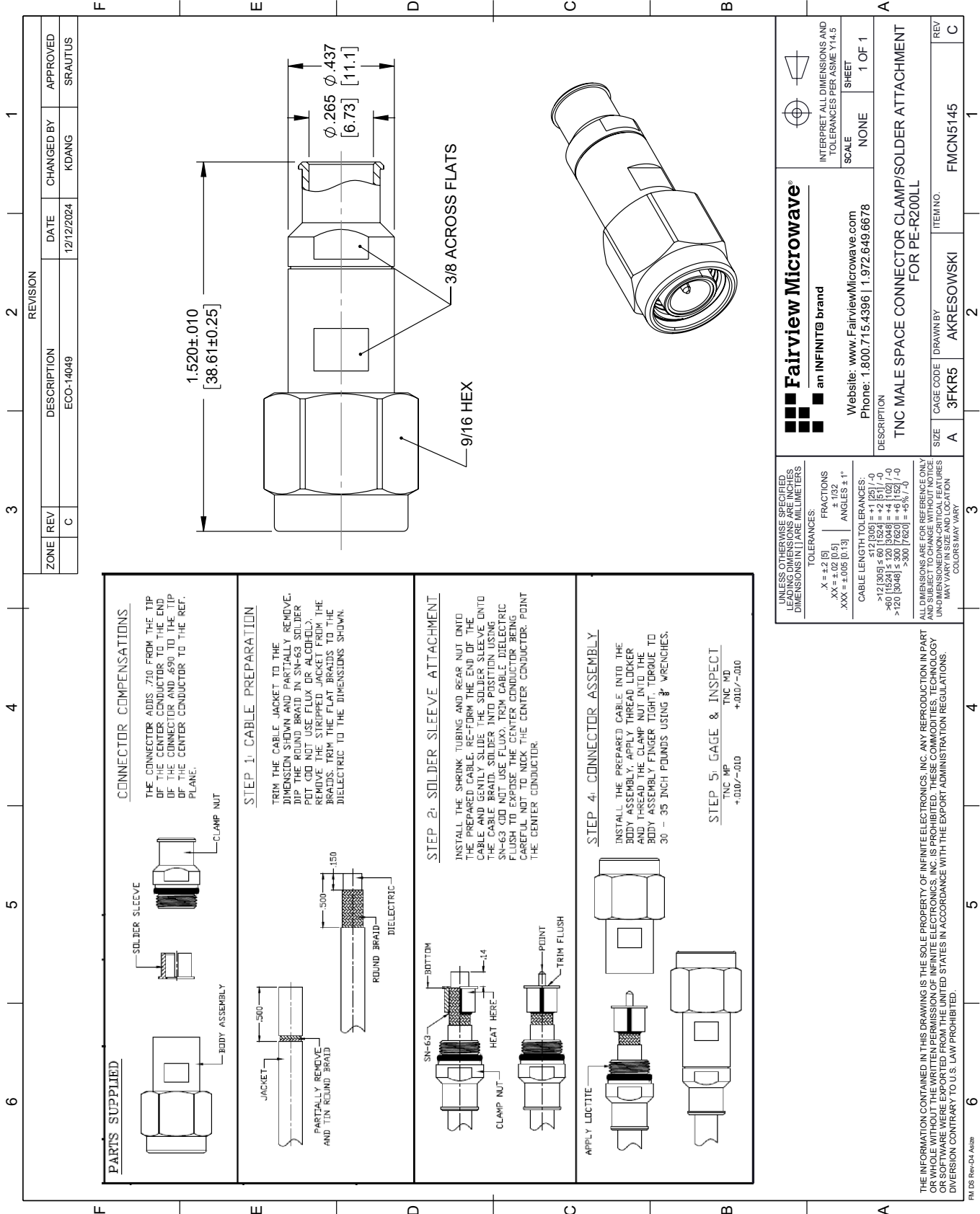
Notes:

TNC Male Space Connector Clamp/Solder Attachment for FM-R200LL 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: [TNC Male Space Connector Clamp/Solder Attachment for FM-R200LL Cable FMCN5145](#)

URL: <https://www.fairviewmicrowave.com/product/rf-connectors/tnc-male-fm-r200ll-connector-fmcn5145.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.



ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	C	ECO-14049	12/12/2024	KDANG	SRAUTUS

REVISION	1	2	3	4	5	6
DESCRIPTION						
DATE						
CHANGED BY						
APPROVED						

<p>Fairview Microwave an INFINITO brand</p> <p>Website: www.FairviewMicrowave.com Phone: 1.800.715.4396 1.972.649.6678</p>		<p>INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5</p> <p>SCALE: NONE</p> <p>SHEET: 1 OF 1</p>
<p>DESCRIPTION: TNC MALE SPACE CONNECTOR CLAMP/SOLDER ATTACHMENT FOR PE-R200LL</p>		
SIZE: A	CAGE CODE: 3FKR5	ITEM NO: FMCN5145
DRAWN BY: AKRESOWSKI		REV: C

UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES AND 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] = ±.8 [20] / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY UNLESS OTHERWISE SPECIFIED. DIMENSIONS MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.

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