

## TNC Male Connector Crimp/Solder Attachment for LMR-400 Cable

### Times Microwave Systems Connector Specification

TNC male connector with crimp/solder attachment for LMR-400, part number TC-400-TM-X, from Fairview Microwave is in-stock and ships same day. This TNC male connector operates up to a maximum frequency of 6 GHz and offers good VSWR of 1.3:1.

Fairview's TNC male connector TC-400-TM-X 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		6	GHz
VSWR			1.3:1	
Insertion Loss			0.25	dB
DWV (AC)			1,000	Vrms
Insulation Resistance	5,000			MOhms

### Mechanical Specifications

<b>Size</b>	
Length	1.897 in [48.18 mm]
Width/Dia.	0.622 in [15.80 mm]
Weight	0.0915 lbs [41.5 g]
Mating Cycles	500 Cycles

### Material Specifications

Description	Material	Plating
Contact	Brass	Gold 50 μinch
Body	Brass	Tri-Metal 80 μinch
Coupling Nut	Brass	Tri-Metal 80 μinch

### Environmental Specifications

<b>Temperature</b>	
Operating Range	-40 to +125 deg C
Shock	MIL-STD 202G, Meth. 213, Cond. G
Vibration	MIL-STD 202G, Meth. 204, Cond. B



### Configuration:

- TNC Male Connector
- 50 Ohms
- Straight Body Geometry
- LMR-400 Interface Type
- Crimp/Solder Attachment

### Features:

- Operating Frequency of 6 GHz Max.
- Good VSWR of 1.3:1
- Gold Plated Brass Contact
- 50 μinch contact plating

### Applications:

- General Purpose Test
- Custom Cable Assemblies

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Thermal Shock

MIL-STD 202G, Meth. 107, Cond. B

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

**Plotted and Other Data**

Notes:

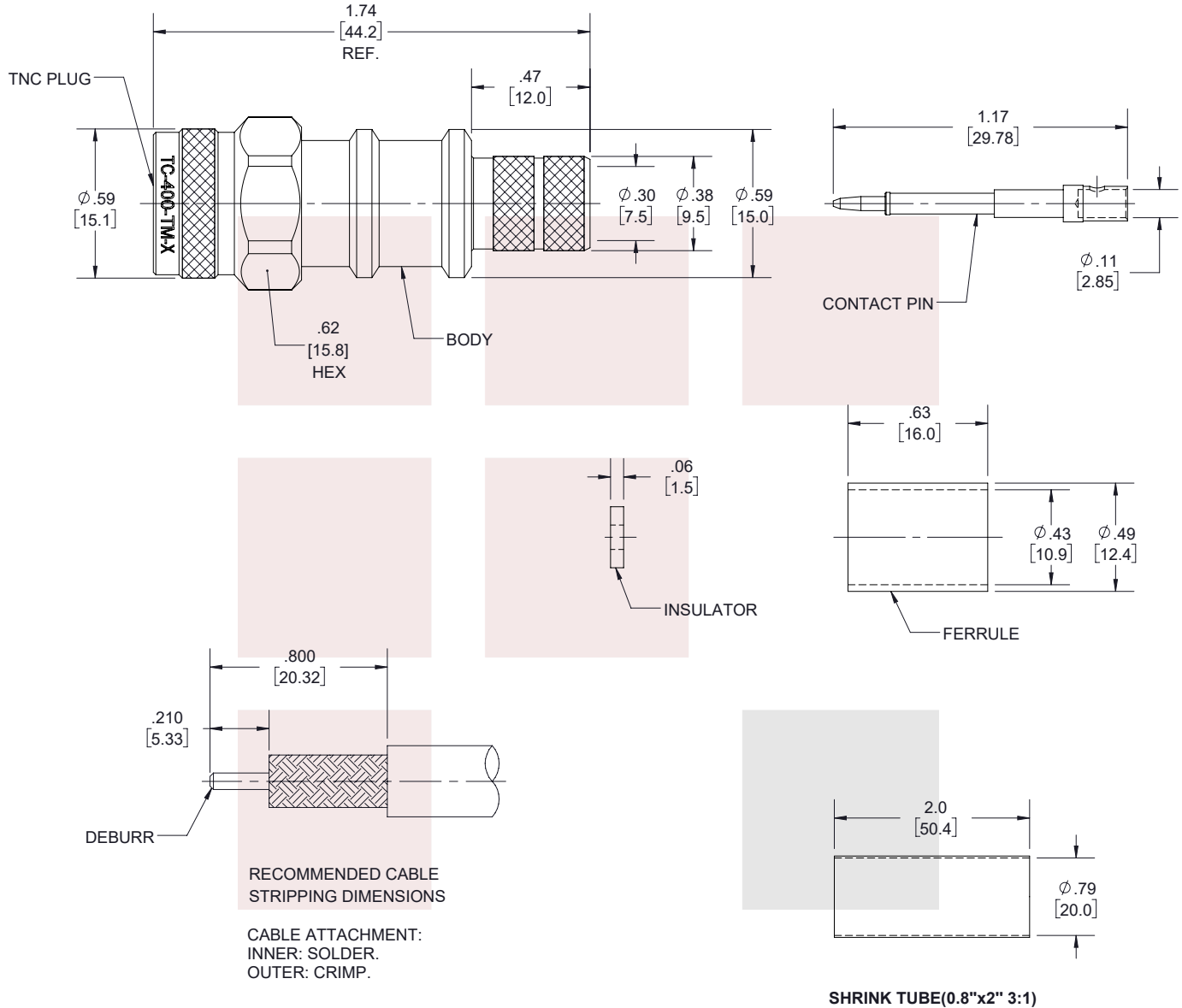
TNC Male Connector Crimp/Solder Attachment for LMR-400 Cable from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [TNC Male Connector Crimp/Solder Attachment for LMR-400 Cable TC-400-TM-X](#)

URL: <https://www.fairviewmicrowave.com/tnc-male-lmr-400-connector-tc-400-tm-x-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	PCR TC-400-TM-X 20200629	07/03/20	SRAUTUS



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TITLE

TNC Male Connector Crimp/Solder Attachment for LMR-400 Cable

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

TOLERANCES:

.X = ±.2 [5.08] FRACTIONS  
.XX = ±.02 [.51] ± 1/32  
.XXX = ±.005 [.13] ANGLES ± 1°

CABLE LENGTH (L) TOLERANCES:

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

THIRD-ANGLE PROJECTION



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SHEET 1 OF 1

SCALE N/A

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

SIZE A	CAGE CODE 3FKR5	DRAWN BY SLI	ITEM NO. TC-400-TM-X	REV A
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