

50 Ohm TRS Subminiature Plug 1553 Connector Crimp/Solder Attachment TRC-50-1



FMCN10-10030-370

Configuration

- TRS Subminiature Plug Connector
- MIL-STD-1553
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: TRC-50-1
- 1553 Design

Features

- Operating Frequency of 500 MHz Max.
- Gold 30 micro inches Plated Beryllium Copper Contact
- Contact plating according to ASTM-B-488
- Twinax Connectivity
- Subminiature

Applications

- General Purpose Test
- Robust Design
- Ease of Use
- Use in High Shock and Vibration Environment

Description

TRS Subminiature Plug 1553 Connector Clamp/Solder Attachment for TRC-50-1 Cable, part number FMCN10-10030-370, from Fairview Microwave is in-stock and ships same day. This TRS Subminiature plug connector operates up to a maximum frequency of 500 MHz. TRS Subminiature Plug connector has a bayonet coupling design with a center contact and an intermediate cylindrical contact. TRS connectors are preferred in applications that require weight reduction, high packing density, and noise-free guarded circuits. TRS connectors can increase packing density to more than 240% compared to TRB standard connectors. The reduced size limits the maximum outer cable diameter to 0.250 inches.

Fairview's TRS Subminiature plug connector FMCN10-10030-370 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		500	MHz
Insertion Loss		0.1		dB
Impedance		50		Ohms

Mechanical Specifications

Size

Length	0.76 in [19.3 mm]
Width	0.45 in [11.43 mm]
Height	0.45 in [11.43 mm]
Weight	0.01 lbs [4.54 g]

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Crimp/Solder Attachment TRC-50-1



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Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold 30 micro inches ASTM-B-488
Insulation	Teflon	
Outer Conductor	Phosphor Bronze	ASTM-B-488
Body	Brass	Nickel ASTM-B-733
Gasket	Rubber	
Crimp Sleeve	Brass	Nickel

Environmental Specifications

Temperature

Operating Range -55 to 200 deg C

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

Plotted and Other Data

Notes:

50 Ohm TRS Subminiature Plug 1553 Connector Crimp/Solder Attachment TRC-50-1 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.

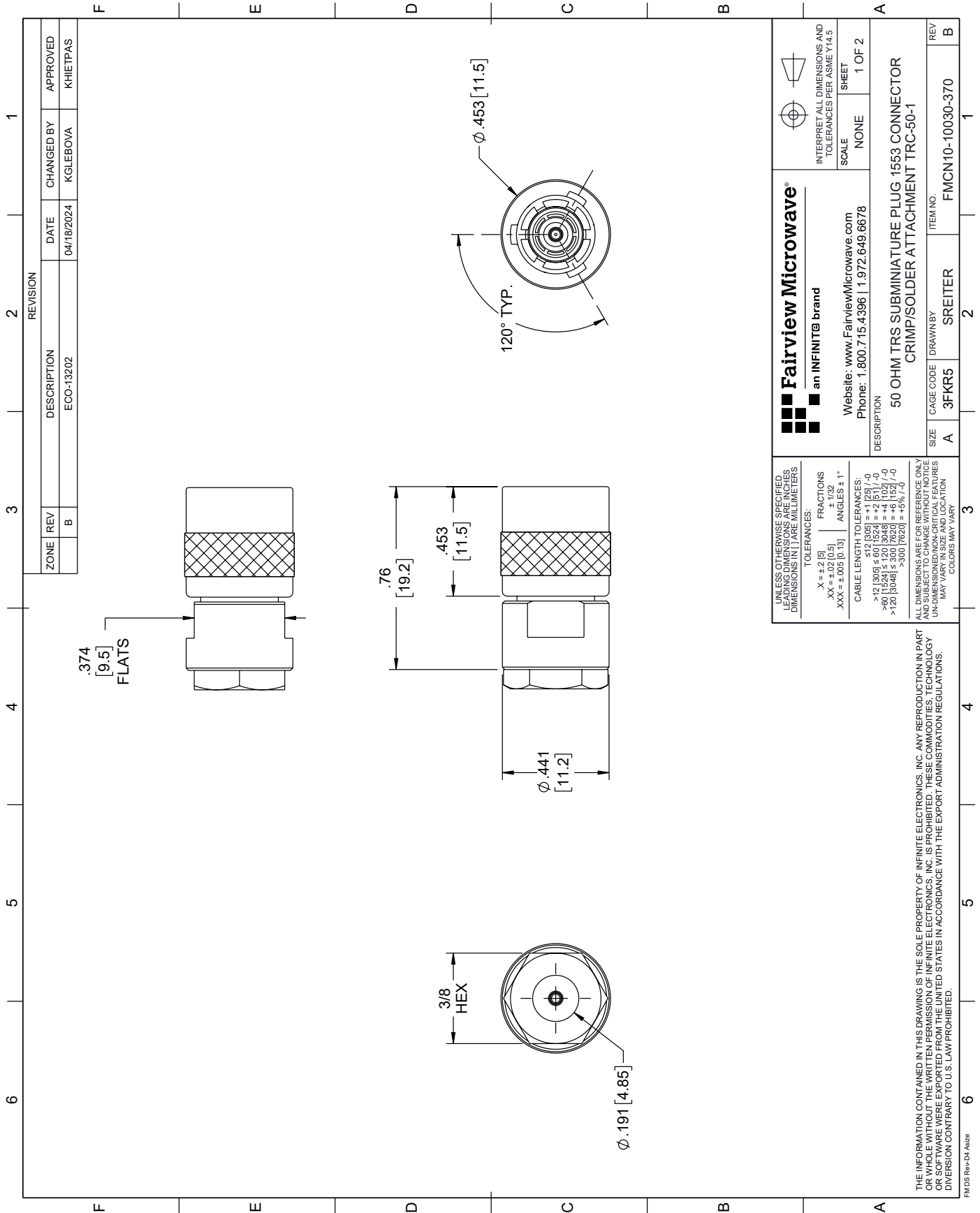
For additional information on this product, please click the following link: [50 Ohm TRS Subminiature Plug 1553 Connector Clamp/Solder Attachment TRC-50-1 FMCN10-10030-370](#)

URL: <https://www.fairviewmicrowave.com/trs-subminiature-plug-trc-50-1-connector-fmcn10-10030-370-p.aspx>

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.

FMCN10-10030-370 CAD Drawing

50 Ohm TRS Subminiature Plug 1553 Connector Crimp/Solder Attachment TRC-50-1



REVISION		DATE	CHANGED BY	APPROVED
ZONE	REV	DESCRIPTION		
	B	ECO-13202	KGLEBOVA	KHIETPAS

 Fairview Microwave an INFINIT [®] brand Website: www.FairviewMicrowave.com Phone: 1.800.715.4396 1.972.649.6678		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SCALE NONE SHEET 1 OF 2
DESCRIPTION 50 OHM TRS SUBMINIATURE PLUG 1553 CONNECTOR CRIMP/SOLDER ATTACHMENT TRC-50-1		
SIZE	CAGE CODE	ITEM NO.
A	3FKR5	FMCN10-10030-370
DRAWN BY		REV
SREITER		B

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN PARENTHESIS ARE MILLIMETERS

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

CABLE LENGTH TOLERANCES:
 >12 [305] ≤ 60 [1524] = +2 [51] / -0
 >60 [1524] ≤ 120 [3048] = +4 [102] / -0
 >120 [3048] ≤ 300 [7620] = +5.8 [148] / -0

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

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