

78 Ohm TRT Threaded Plug 1553 Connector Clamp/  
Solder Attachment for FMBC-30-02001, TWC-78-2



**FMCN10-09030-210**

**Configuration**

- TRT Threaded Plug Connector
- MIL-STD-1553
- 78 Ohms
- Straight Body Geometry
- Connector Interface Types: FMBC-30-02001, TWC-78-2
- 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

**Applications**

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

**Description**

78 Ohm TRT Threaded Plug 1553 Connector Clamp/Solder Attachment for FMBC-30-02001 and TWC-78-2 Cable, part number FMCN10-09030-210, from Fairview Microwave is in-stock and ships same day. This TRT Threaded plug connector operates up to a maximum frequency of 500 MHz. This TRT connector has a threaded coupling design with a center contact and an intermediate cylindrical contact. The threaded type can withstand severe shocks and vibrations. Available for many popular twinax cable applications.

Fairview's 78 ohm TRT Threaded plug connector FMCN10-09030-210 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		78		Ohms

**Mechanical Specifications**

**Size**

Length	1.25 in [31.75 mm]
Width	0.6 in [15.24 mm]
Height	0.6 in [15.24 mm]
Weight	0.08 lbs [36.29 g]

78 Ohm TRT Threaded Plug 1553 Connector Clamp/  
Solder Attachment for FMBC-30-02001, TWC-78-2

**FMCN10-09030-210**



**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

**Environmental Specifications**

<b>Temperature</b> Operating Range	-55 to 200 deg C
---------------------------------------	------------------

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

**Plotted and Other Data**

Notes:

78 Ohm TRT Threaded Plug 1553 Connector Clamp/Solder Attachment for FMBC-30-02001, TWC-78-2 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.

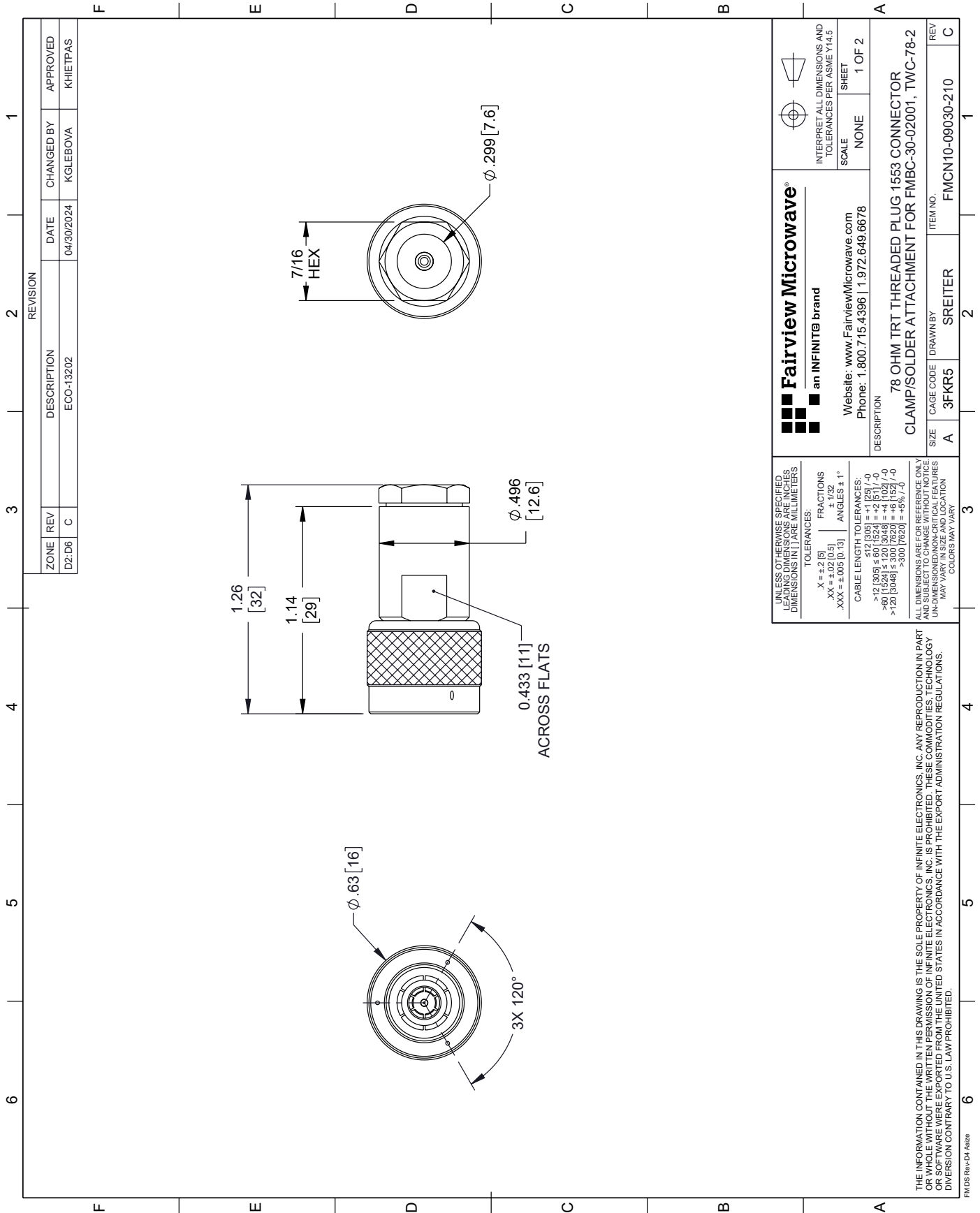
For additional information on this product, please click the following link: [78 Ohm TRT Threaded Plug 1553 Connector Clamp/Solder Attachment for FMBC-30-02001, TWC-78-2 FMCN10-09030-210](#)


URL: <https://www.fairviewmicrowave.com/trt-threaded-plug-fmbc-30-02001-twc-78-2-connector-fmcn10-09030-210-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.

# FMCN10-09030-210 CAD Drawing

78 Ohm TRT Threaded Plug 1553 Connector Clamp/Solder Attachment for FMBC-30-02001, TWC-78-2



 <b>Fairview Microwave</b> an INFINIT <sup>®</sup> brand Website: <a href="http://www.FairviewMicrowave.com">www.FairviewMicrowave.com</a> 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 78 OHM TRT THREADED PLUG 1553 CONNECTOR CLAMP/SOLDER ATTACHMENT FOR FMBC-30-02001, TWC-78-2		
SIZE A	CAGE CODE 3FKR5	ITEM NO. FMCN10-09030-210
DRAWN BY	SREITER	REV C

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN PAREMILLIMETERS

TOLERANCES:  
 .X = ±.2 [5] FRACTIONS ±.132  
 .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. DIMENSIONS ON CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INFINITE ELECTRONICS, INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF INFINITE ELECTRONICS, INC. IS PROHIBITED. THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.

FM DS Rev-D4 A828