

78 Ohm TRB 3-Slot Plug 1553 Connector Full Crimp Attachment for FMBC-30-02003, TWC-78-1



FMCN10-06031-231

Configuration

- TRB 3-Slot Plug Connector
- MIL-STD-1553
- 78 Ohms
- Straight Body Geometry
- Connector Interface Types: FMBC-30-02003, TWC-78-1

Features

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

Applications

- General Purpose Test
- Custom Cable Assemblies
- Robust Design
- Ease of use
- Use in high shock and vibration environment

Description

78 Ohm TRB 3-Slot Plug Standard Connector Crimp/Crimp Attachment for FMBC-30-02003 and TWC-78-1 Cable, part number FMCN10-06031-231, from Fairview Microwave is in-stock and ships same day. This TRB 3-Slot plug connector operates up to a maximum frequency of 500 MHz. These twinaxial cable plugs with TRB interface are the most popular cable plugs used in wide cable assembly applications to be used with Bus Couplers, avionics control boxes, Bus Relays, etc. This TRB plug has a bayonet coupling design with a center contact and an intermediate cylindrical contact. The bayonet type can withstand severe shocks and vibrations.

Fairview's 78 ohm TRB 3-Slot plug connector FMCN10-06031-231 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	1.29 in [32.77 mm]
Width	0.57 in [14.48 mm]
Height	0.57 in [14.48 mm]
Weight	0.08 lbs [36.29 g]

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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:

78 Ohm TRB 3-Slot Plug 1553 Connector Full Crimp Attachment for FMBC-30-02003, TWC-78-1 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.

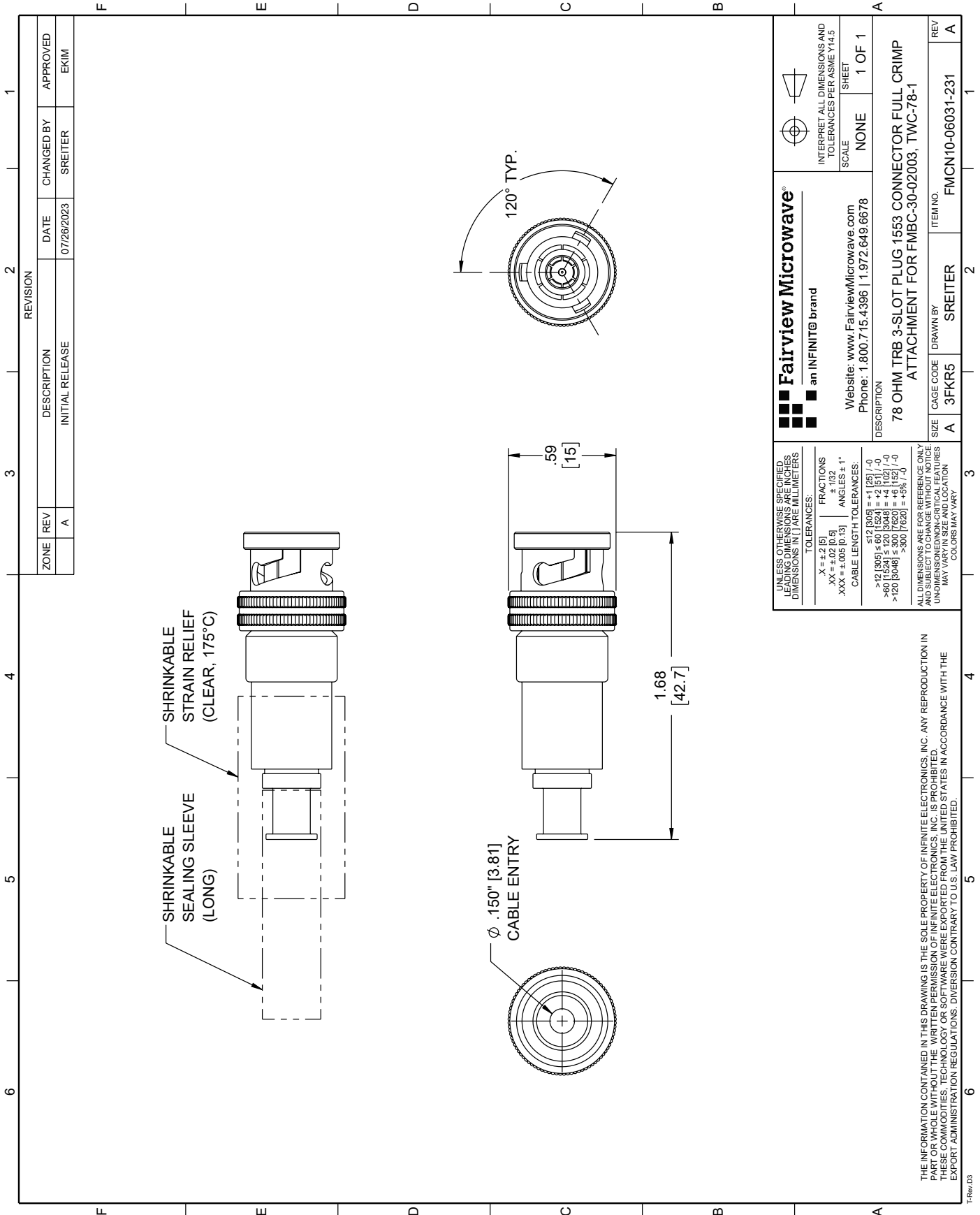
For additional information on this product, please click the following link: [78 Ohm TRB 3-Slot Plug 1553 Connector Full Crimp Attachment for FMBC-30-02003, TWC-78-1 FMCN10-06031-231](#)

URL: <https://www.fairviewmicrowave.com/trb-3slot-plug-fmbc-30-02003-twc-78-1-connector-fmcn10-06031-231-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.

FMCN10-06031-231 CAD Drawing

78 Ohm TRB 3-Slot Plug 1553 Connector Full Crimp Attachment for FMBC-30-02003, TWC-78-1



ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	07/28/2023	SREITER	EKIM

REVISION	
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<p>Fairview Microwave an INFINITI® 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>
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<p>UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES AND DIMENSIONS IN [] ARE MILLIMETERS</p> <p>TOLERANCES:</p> <p>X = ±.2 [5] FRACTIONS ± 1/32</p> <p>.XX = ±.02 [0.5] ANGLES ± 1°</p> <p>.XXX = ±.005 [0.13]</p> <p>CABLE LENGTH TOLERANCES:</p> <p><12 [305] ≤ 60 [1524] = +1 [25] / -0</p> <p>>12 [305] ≤ 60 [1524] = +2 [51] / -0</p> <p>>60 [1524] ≤ 120 [3048] = +4 [102] / -0</p> <p>>120 [3048] ≤ 300 [7620] = +6 [152] / -0</p> <p>>300 [7620] = +9% [-]</p>	<p>DESCRIPTION: 78 OHM TRB 3-SLOT PLUG 1553 CONNECTOR FULL CRIMP ATTACHMENT FOR FMBC-30-02003, TWC-78-1</p> <p>SIZE: A CAGE CODE: 3FKR5 DRAWN BY: SREITER ITEM NO: FMCN10-06031-231</p> <p>REV: A</p>
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