

78 Ohm Threaded TRT Plug 1553 Connector Wrench Crimp for M17/176-00002

78 Ohm TRT Plug 1553 Connector Crimp/Solder Attachment for M17/176-00002 Cable, part number PL375-47-FM, from Fairview Microwave is in-stock and ships same day. This TRT 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 TRT plug connector PL375-47-FM 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		500	MHz
Insertion Loss		0.1		dB

Mechanical Specifications

Size	
Length	2 in [50.8 mm]
Width/Dia.	0.65 in [16.51 mm]
Height	0.65 in [16.51 mm]
Weight	0.08 lbs [36.29 g]

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



Configuration:

- TRT Plug Connector
- MIL-STD-1553
- 78 Ohms
- Straight Body Geometry
- M17/176-00002 Interface Type
- Crimp/Solder Attachment
- 1553 Design

Features:

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

Applications:

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

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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 Threaded TRT Plug 1553 Connector Wrench Crimp for M17/176-00002 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 Threaded TRT Plug 1553 Connector Wrench Crimp for M17/176-00002 PL375-47-FM](#)

URL: <https://www.fairviewmicrowave.com/trt-plug-m17-176-00002-connector-pl375-47-fm-p.aspx>

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