

## 1553 TRB 3-Lug Jack Solder with Bend Relief to Blunt Cut Cable 78 Ohm FMBC-30-02002 Coax in 36 Inch

The 78 ohm TRB 3-Lug jack to Blunt cut genderless 36 inch cable using 78 ohm FMBC-30-02002 twinax, part number FM3MP2547-36, from Fairview Microwave is in-stock and ships same day. This Fairview TRB 3-Lug to Blunt Cut cable assembly has a jack to genderless gender configuration with 78 ohm flexible FMBC-30-02002 twinax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FM3MP2547-36 TRB 3-Lug jack to Blunt cut genderless cable assembly operates to 10 MHz.

Custom versions of most RF cable assemblies can be built and shipped same day. Custom cable assembly lengths can be obtained by specifying the desired length on the web site at time of order or by contacting a sales representative. Other RF cable assembly value added services including connector orientation or clocking, heat shrink booting and labeling are also available. RF testing can also be performed to document the electrical performance of your cable assembly.

### Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		10	MHz
Capacitance		23 [75.46]		pF/ft [pF/m]
Operating Voltage (AC)			250	Vrms

#### Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax and connectors used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.1 dB per connector.

### Mechanical Specifications

#### Cable Assembly

Length*	36 in [914.4 mm]
Weight	0.1085 lbs [49.21 g]

#### Cable

Cable Type	FMBC-30-02002
Impedance	78 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	FEP
Shield Layer 1	Silver Plated Copper Alloy Braid
Jacket Material	PFA, Blue

One Time Minimum Bend Radius	1.25 in [31.75 mm]
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### Configuration:

- TRB 3-Lug Jack
- Blunt Cut Genderless
- FMBC-30-02002

### Features:

- Max Frequency 10 MHz
- PFA Jacket
- MIL-STD-1553
- -55°C to +200°C
- 78 ohms
- Bend Relief

### Applications:

- General Purpose
- Laboratory Use
- Vehicle High Temperature
- Data
- MIL-STD-1553

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**Connectors**

Description	Connector 1	Connector 2
Type	TRB 3-Lug Jack BayonetBlunt Cut Genderless Other	
Option	MIL-STD-1553	
Specification	None	
Impedance	78 Ohms	
Contact Material & Plating	Bronze, Gold 30 micro inches	
Contact Plating Spec.	ASTM-B-488	
Dielectric Type	Teflon	
Outer Cond Material & Plating	Phosphor Bronze, Gold	
Outer Cond Plating Spec.	30 micro inches	
Body Material & Plating	Brass, Nickel	
Body Plating Spec.	ASTM-B-733	

**Environmental Specifications**

**Temperature**

Operating Range -20 to +75 deg C

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

**Plotted and Other Data**

Notes:

**How to Order**

Part Number Configuration: **FM3MP2547 - xx uu**

cm = Centimeters  
<blank> = Inches  
Length

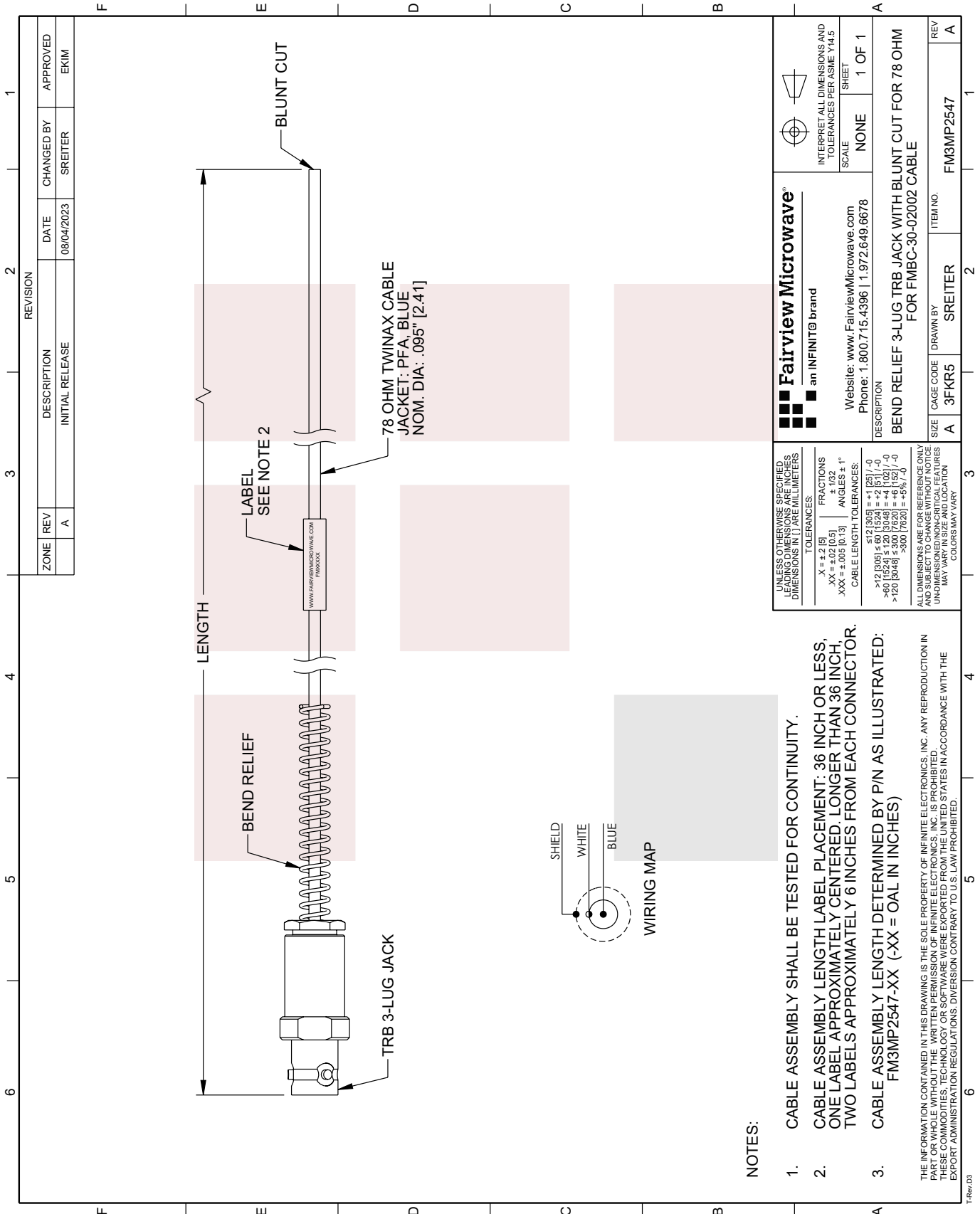
Example: FM3MP2547-12 = 12 inches long cable  
FM3MP2547-100cm = 100 cm long cable

1553 TRB 3-Lug Jack Solder with Bend Relief to Blunt Cut Cable 78 Ohm FMBC-30-02002 Coax in 36 Inch from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [1553 TRB 3-Lug Jack Solder with Bend Relief to Blunt Cut Cable 78 Ohm FMBC-30-02002 Coax in 36 Inch FM3MP2547-36](#)

URL: <https://www.fairviewmicrowave.com/1553-trb-jack-solder-to-blunt-cut-genderless-cable-78-ohm-fmbc-30-02002-coax-in-36-inch-fm3mp2547-36-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.



**NOTES:**

- CABLE ASSEMBLY SHALL BE TESTED FOR CONTINUITY.
- CABLE ASSEMBLY LENGTH LABEL PLACEMENT: 36 INCH OR LESS, ONE LABEL APPROXIMATELY CENTERED, LONGER THAN 36 INCH, TWO LABELS APPROXIMATELY 6 INCHES FROM EACH CONNECTOR.
- CABLE ASSEMBLY LENGTH DETERMINED BY P/N AS ILLUSTRATED: FM3MP2547-XX (-XX = OAL IN INCHES)

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UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE IN INCHES DIMENSIONS IN [ ] ARE MILLIMETERS	
TOLERANCES:	
.X = ±.2 [5]	FRACTIONS ± 1/32
.XX = ±.02 [0.5]	ANGLES ± 1°
.XXX = ±.005 [0.13]	
CABLE LENGTH TOLERANCES:	
≤ 12 [305]	±.1 [25]
> 12 [305] ≤ 60 [1524]	±.2 [5.1]
> 60 [1524] ≤ 300 [7620]	±.4 [10.2]
> 300 [7620]	±.6 [15.2]
> 120 [3048]	±.3 [7.62]
> 300 [7620]	±.5% [-]

<p><b>Fairview Microwave</b> an INFINIT<sup>®</sup> brand</p> <p>Website: <a href="http://www.FairviewMicrowave.com">www.FairviewMicrowave.com</a> Phone: 1.800.715.4396   1.972.649.6678</p>		<p>INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SHEET</p> <p>SCALE: NONE</p> <p>SHEET: 1 OF 1</p>
<p>DESCRIPTION</p> <p><b>BEND RELIEF 3-LUG TRB JACK WITH BLUNT CUT FOR 78 OHM FOR FMBC-30-02002 CABLE</b></p>		
SIZE	CAGE CODE	ITEM NO.
A	3FKR5	FM3MP2547
REV	DRAWN BY	REV
A	SREITER	A