

78 Ohm TRB 3-Slot Solder/Clamp Plug to 3-Lug Solder/Clamp Insulated Bulkhead Jack for FMBC-30-02003 Cable

The 78 ohm TRB 3-Slot plug to 78 ohm TRB 3-Lug jack bulkhead insulated cable using 78 ohm FMBC-30-02003 twinax, part number FM3MP2310, from Fairview Microwave is in-stock and ships same day. This Fairview TRB 3-Slot to TRB 3-Lug cable assembly has a plug to jack gender configuration with 78 ohm flexible FMBC-30-02003 twinax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FM3MP2310 TRB 3-Slot plug to TRB 3-Lug jack cable assembly operates to 500 MHz. Our RF cable assembly with TRB 3-Lug bulkhead insulated interface allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications. The FM3MP2310 cable assembly consists of a 3-slot solder/clamp TRB plug to a 3-Lug TRB Solder/Clamp Insulated Bulkhead Jack for FMBC-30-02003, that is a standard lab-rated PVC cable for MIL-STD-1553 applications.

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 | | 500 | MHz |
| Capacitance | | 20.3 [66.6] | | pF/ft [pF/m] |
| Operating Voltage (AC) | | | 300 | Vrms |

Performance by Frequency

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|-----------------------|-------|-------|-------|-------|-------|-------|
| Frequency | 10 | 50 | 100 | 200 | 500 | MHz |
| Insertion Loss (Typ.) | 0.053 | 0.119 | 0.168 | 0.237 | 0.375 | dB/ft |
| | 0.17 | 0.39 | 0.55 | 0.78 | 1.23 | dB/m |

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* | 0 in [0 mm] |
| Weight | 0.2 lbs [90.72 g] |

Cable

| | |
|--------------------------------------|----------------------|
| Cable Type | FMBC-30-02003 |
| Impedance | 78 Ohms |
| Inner Conductor Type | Stranded |
| Inner Conductor Material and Plating | Copper, Silver |
| Dielectric Type | PE |
| Shield Layer 1 | Silver Plated Copper |



Configuration:

- TRB 3-Slot Plug
- TRB 3-Lug Jack Bulkhead Insulated
- FMBC-30-02003

Features:

- Max Frequency 500 MHz
- PVC Jacket
- MIL-STD-1553
- -20°C to +75°C
- 78 ohms
- Lab rated
- Insulated

Applications:

- General Purpose
- Laboratory Use
- MIL-STD-1553
- Data
- Lab applications

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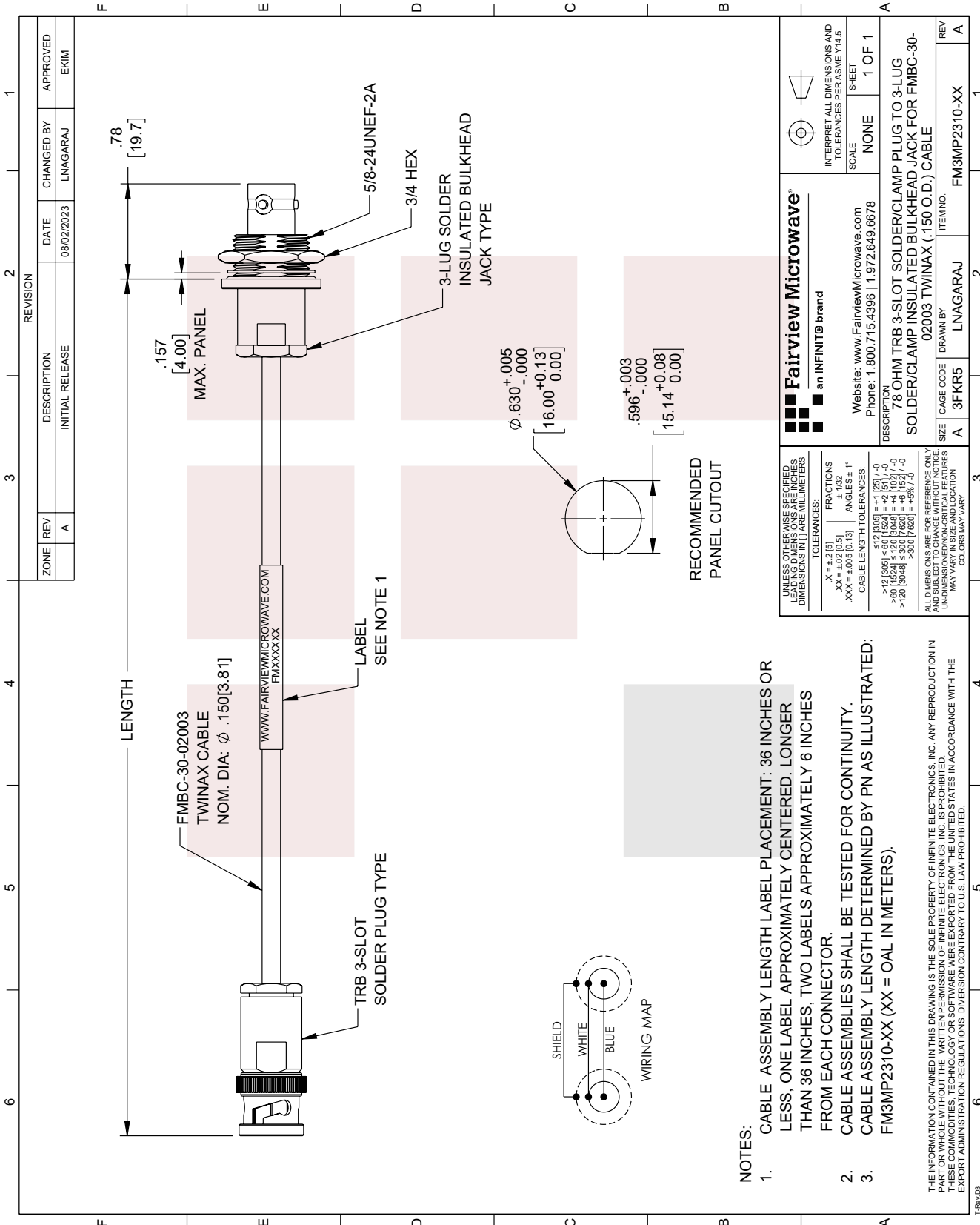
78 Ohm TRB 3-Slot Solder/Clamp Plug to 3-Lug Solder/Clamp Insulated Bulkhead Jack for FMBC-30-02003 Cable from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [1553 TRB 3-Slot Plug to TRB 3-Lug Jack Bulkhead Insulated Cable 78 Ohm FMBC-30-02003 Coax FM3MP2310](#)

URL: <https://www.fairviewmicrowave.com/1553-trb-3-slot-plug-to-trb-3-lug-jack-bulkhead-insulated-cable-78-ohm-fm3mp2310-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.





| REVISION | | DATE | CHANGED BY | APPROVED |
|----------|-----|-------------|------------|----------|
| ZONE | REV | DESCRIPTION | INITIAL | RELEASE |
| | A | | LNAGARAJ | EKIM |

| | | | | |
|--|-----------|--|--------------|-----|
| <p>Fairview Microwave[®] an INFINIT[®] 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> | | |
| <p>UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES, DIMENSIONS IN [] ARE IN MILLIMETERS.</p> <p>TOLERANCES:</p> <p>X = ± 2 [5]</p> <p>.XX = ± 0.0 [0.5]</p> <p>.XXX = ± 0.005 [0.13]</p> <p>ANGLES ± 1°</p> <p>± 1/32</p> <p>CABLE LENGTH TOLERANCES:</p> <p>512 [305] = ± 1 [25] / -0</p> <p>> 12 [305] ≤ 60 [1524] = ± 2 [51] / -0</p> <p>> 60 [1524] ≤ 300 [7620] = ± 4 [102] / -0</p> <p>> 300 [7620] ≤ 360 [9144] = ± 5 [127] / -0</p> | | <p>DESCRIPTION</p> <p>78 OHM TRB 3-SLOT SOLDER/CLAMP PLUG TO 3-LUG SOLDER/CLAMP INSULATED BULKHEAD JACK FOR FMBC-30-02003 TWINAX (.150 O.D.) CABLE</p> | | |
| SIZE | CAGE CODE | DRAWN BY | ITEM NO. | REV |
| A | 3FKR5 | LNAGARAJ | FM3MP2310-XX | A |

- NOTES:
- CABLE ASSEMBLY LENGTH LABEL PLACEMENT: 36 INCHES OR LESS, ONE LABEL APPROXIMATELY CENTERED. LONGER THAN 36 INCHES, TWO LABELS APPROXIMATELY 6 INCHES FROM EACH CONNECTOR.
 - CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.
 - CABLE ASSEMBLY LENGTH DETERMINED BY PN AS ILLUSTRATED: FM3MP2310-XX (XX = OAL IN METERS).

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