

**RP TNC Female Bulkhead Connector Crimp/Solder Attachment For RG316, RG174, LMR-100 Cable IP67 Rated**

RP TNC female bulkhead connector with crimp/solder attachment for RG316, RG174 and LMR-100, part number SC9704, from Fairview Microwave is in-stock and ships same day. Our reverse polarity female configuration uses a female connector body with a male inner contact pin. This TNC female connector operates up to a maximum frequency of 3 GHz and offers excellent VSWR of 1.25:1. Fairview's SC9704 bulkhead TNC connector enables designers to make external connections on product enclosures, and can be used in a variety of other rack mount and panel mount applications.

Fairview's RP TNC female bulkhead connector SC9704 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		3	GHz
VSWR			1.25:1	

**Mechanical Specifications**

Size	
Length	1.36 in [34.54 mm]
Width/Dia.	0.79 in [20.07 mm]
Weight	0.0465 lbs [21.09 g]

**Material Specifications**

Description	Material	Plating
Contact	Phosphor Bronze	Gold 30µ in. minimum
Insulation	PTFE	
Outer Conductor	Brass	Nickel
Body	Brass	Nickel

**Environmental Specifications**

<b>Temperature</b>	
Operating Range	-40 to +85 deg C
Humidity	IP 67

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

**Plotted and Other Data**

Notes:



**Configuration:**

- TNC Female Reverse Polarity Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry
- RG316, RG174, LMR-100 Interface Type
- Crimp/Solder Attachment
- Bulkhead
- 5/8 in. Hex

**Features:**

- Operating Frequency of 3 GHz Max.
- Excellent VSWR of 1.25:1
- Reverse Polarity
- Gold Plated Phosphor Bronze Contact
- 30µ in. minimum contact plating

**Applications:**

- General Purpose Test
- Rack and Panel Mount Applications
- Custom Cable Assemblies

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RP TNC Female Bulkhead Connector Crimp/Solder Attachment For RG316, RG174, LMR-100 Cable IP67 Rated 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.

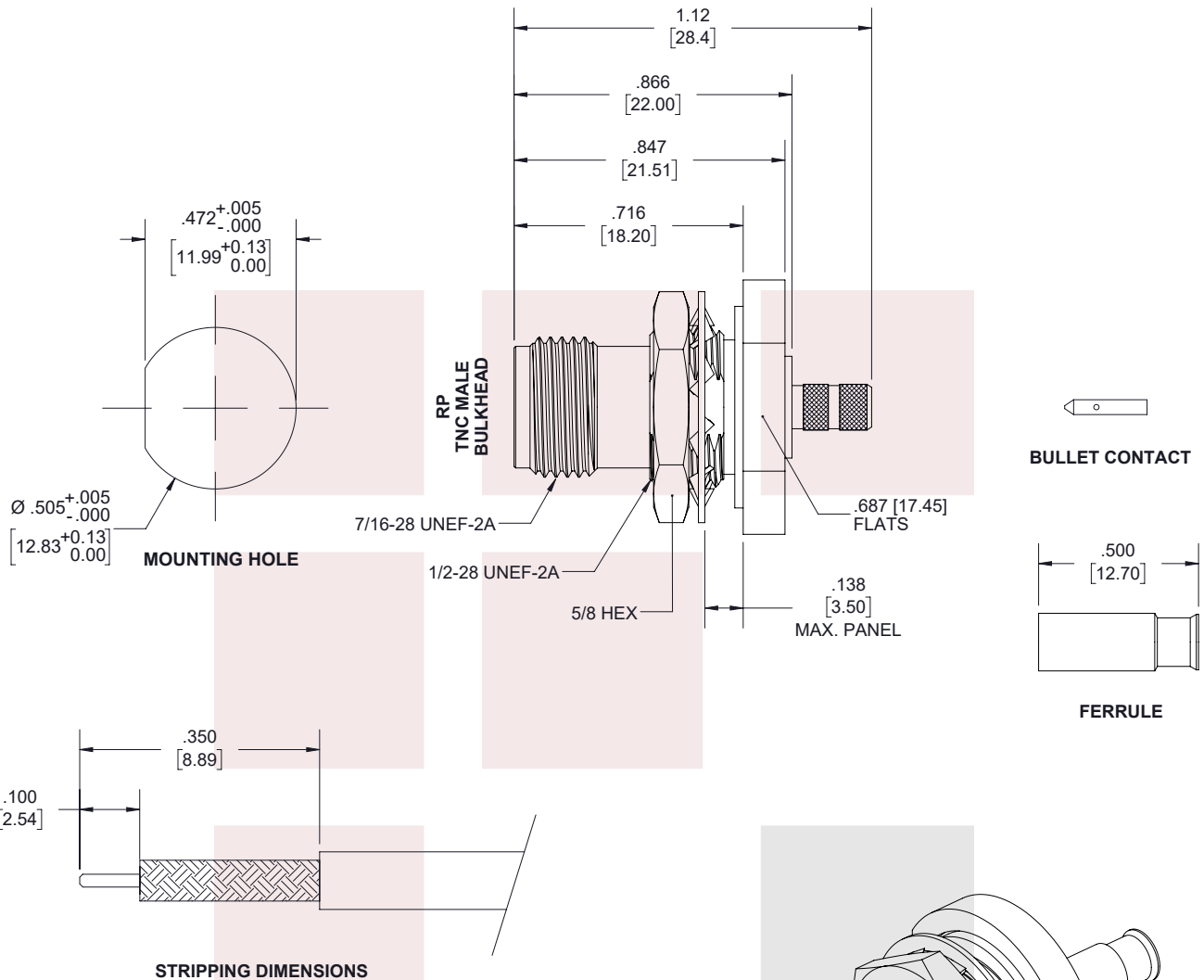
For additional information on this product, please click the following link: [RP TNC Female Bulkhead Connector Crimp/Solder Attachment For RG316, RG174, LMR-100 Cable IP67 Rated SC9704](#)

URL: <https://www.fairviewmicrowave.com/tnc-female-reverse-polarity-rg316-u-rg174-lmr-100-connector-sc9704-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.



REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	2/6/2020	S.ELLIS



**NOTES:**

- CABLE ATTACHMENT:
  - OUTER: CRIMP.
  - INNER: SOLDER.
- CRIMP SIZE REQUIRED:
  - FERRULE: .178 [4.52] HEX. CRIMP TOOL.
  - CONTACT: SOLDER.

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TITLE  
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UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES  
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES: CABLE LENGTH (L) TOLERANCES:

.X = ±.2 [5.08]	FRACTIONS	L ≤ 12 [305] = +1 [25] / -0
.XX = ±.02 [.51]	± 1/32	12 [305] < L ≤ 60 [1524] = +2 [51] / -0
.XXX = ±.005 [.13]	ANGLES ± 1°	60 [1524] < L ≤ 120 [3048] = +4 [102] / -0
		120 [3048] < L ≤ 300 [7620] = +6 [152] / -0
		300 [7620] < L = +5%L / -0

THIRD-ANGLE PROJECTION



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SHEET 1 OF 1

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

SCALE N/A

SIZE A	CAGE CODE 3FKR5	DRAWN BY K.DANG	ITEM NO. SC9704	REV A
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