

TNC Male (Plug) Connector For RG55, RG58, RG141, RG142, RG223, RG400 Cable, Clamp/Solder

TNC male connector with clamp/solder attachment for RG55, RG58, RG141, RG142, RG223 and RG400, part number SC4269, from Fairview Microwave is in-stock and ships same day. This TNC male connector operates up to a maximum frequency of 12.4 GHz and offers excellent VSWR of 1.2:1.

Fairview's TNC male connector SC4269 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		12.4	GHz
VSWR			1.2:1	

Mechanical Specifications

Size

Length	1.79 in [45.47 mm]
Width/Dia.	0.82 in [20.83 mm]
Weight	0.04762 lbs [21.6 g]

Material Specifications

Description	Material	Plating
Contact	Brass	Gold MIL-G-45204
Insulation	PTFE	
Outer Conductor	Brass	Nickel
Body	Brass	Nickel

Environmental Specifications

Temperature

Operating Range	-55 to +125 deg C
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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:



Configuration:

- TNC Male Connector
- 50 Ohms
- Straight Body Geometry
- RG55, RG58, RG141, RG142, RG223, RG400 Interface Type
- Clamp/Solder Attachment
- 7/16 inch Hex

Features:

- Operating Frequency of 12.4 GHz Max.
- Excellent VSWR of 1.2:1
- Gold Plated Brass Contact
- Contact plating according to MIL-G-45204

Applications:

- General Purpose Test
- Custom Cable Assemblies

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TNC Male (Plug) Connector For RG55, RG58, RG141, RG142, RG223, RG400 Cable, Clamp/Solder 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.

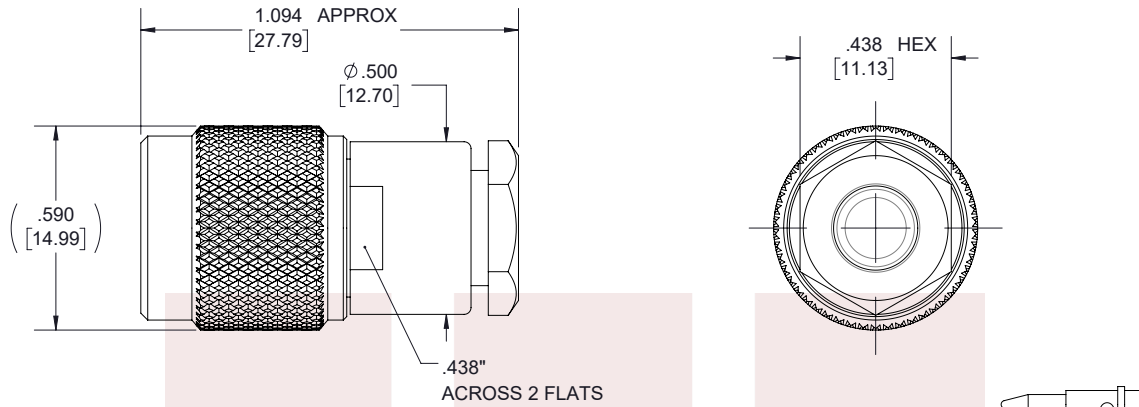
For additional information on this product, please click the following link: [TNC Male \(Plug\) Connector For RG55, RG58, RG141, RG142, RG223, RG400 Cable, Clamp/Solder SC4269](#)

URL: <https://www.fairviewmicrowave.com/tnc-male-standard-rg55-rg58-rg141-rg142-rg223-rg400-connector-sc4269-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.

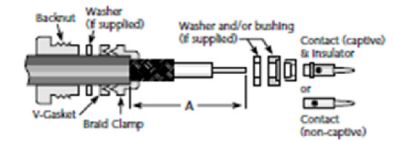


REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
B	PCR SC4269 20220909	10/10/2022	SRAUTUS

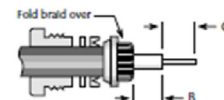


ASSEMBLY PROCEDURES

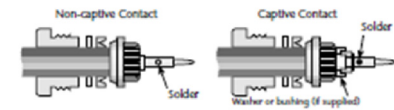
1) Trim cable jacket to dimension A. Slide backnut, washer, V-gasket, and braid clamp onto cable as shown. Cable jacket should bottom on step in braid clamp.



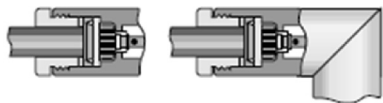
2) Comb braid wires out straight and fold back over front shoulder of braid clamp (braid wires should not overlap one another after folding). Trim braid wires flush with step of braid clamp. Trim cable dielectric and center conductor to dimensions B and C.



3) If support insulator is provided for RG-62 or 71 cable, insert into hollow in dielectric. Assemble rear bushing or washer (if supplied), rear insulator (if captive contact) and contact, and solder contact to center conductor. Rear of contact should be flush with cable dielectric end. For right angle connector with access cap, omit this step entirely.



4) Insert prepared cable and hardware into body and tighten backnut. For right angle connectors with access cap, solder center conductor into slot in contact and tighten access cap.



NOTES:

- ASSEMBLED CONNECTOR INTERFACE IS DESIGNED IN ACCORDANCE WITH MIL-STD-348.

TRIM CODES: A=.375(3/8) B=.109(7/64) C=.125(1/8)

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TITLE

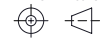
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UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

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 DMAY	ITEM NO. SC4269	REV B
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T-Rev.D