

## 1.0/2.3 Plug Right Angle Connector Crimp/Solder Attachment For RG55, RG142, RG223, RG400

RA 1.0/2.3 plug connector with crimp/solder attachment for RG55, RG142, RG223 and RG400, part number FMCN1818, from Fairview Microwave is in-stock and ships same day. Its right angle body geometry facilitates connections in tight spaces.

Fairview's RA 1.0/2.3 plug connector FMCN1818 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.

### Mechanical Specifications

<b>Size</b>	
Length	0.85 in [21.59 mm]
Width/Dia.	0.304 in [7.72 mm]
Height	0.82 in [20.83 mm]
Weight	0.013 lbs [5.9 g]

### Material Specifications

Description	Material	Plating
Body	Brass	Nickel

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

### Plotted and Other Data

Notes:

1.0/2.3 Plug Right Angle Connector Crimp/Solder Attachment For RG55, RG142, RG223, RG400 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: [1.0/2.3 Plug Right Angle Connector Crimp/Solder Attachment For RG55, RG142, RG223, RG400 FMCN1818](#)

URL: <https://www.fairviewmicrowave.com/1.0-2.3-plug-rg55-rg142-rg223-rg400-connector-fmcn1818-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.



### Configuration:

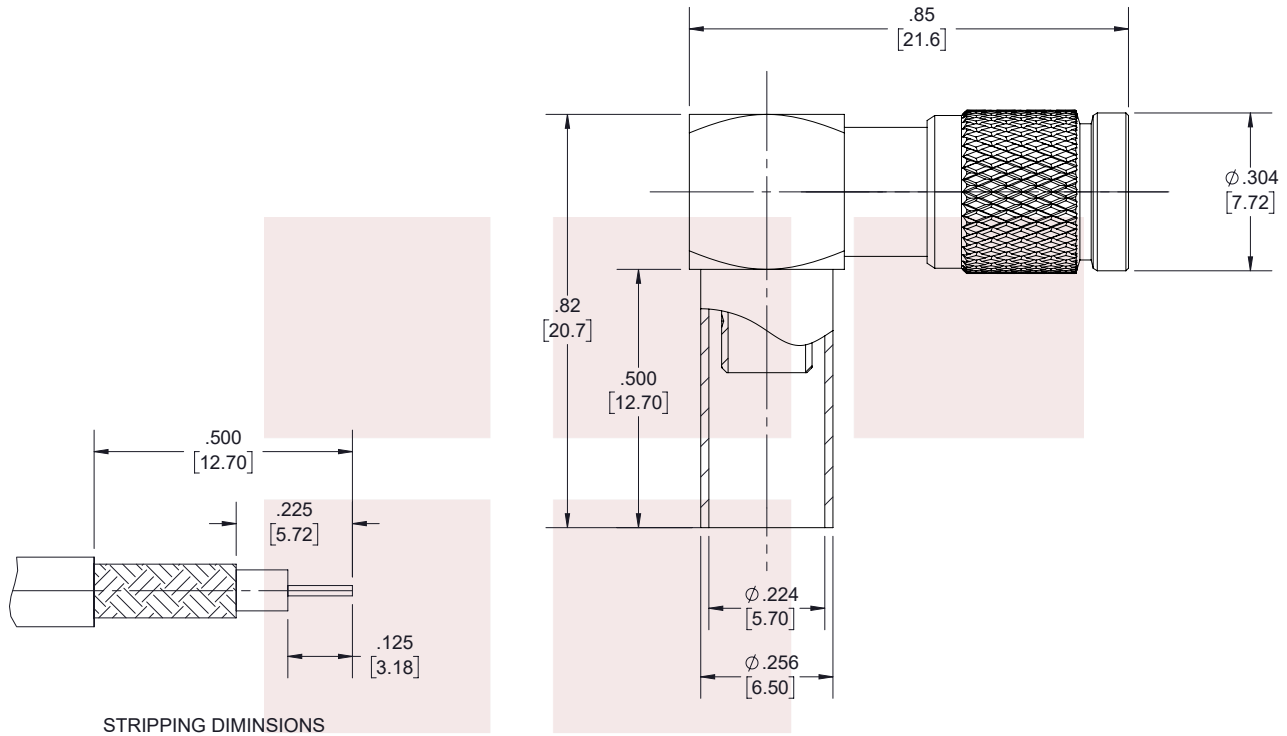
- 1.0/2.3 Plug Connector
- 50 Ohms
- Right Angle Body Geometry
- RG55, RG142, RG223, RG400 Interface Type
- Crimp/Solder Attachment

### Applications:

- General Purpose Test
- Custom Cable Assemblies

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	02/11/2022	A.GANWANI



#### ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN. SLIDE FERRULE OVER CABLE.
2. INSTALL CABLE INTO BODY OF CONNECTOR AND SOFT SHOLDER CENTER CONDUCTOR IN PLACE.
3. CRIMP FERRULE, INSERT INSULATOR AND SCREW CAP.

#### CRIMP SIZE REQUIRED

FERRULE: .213" [5.41] HEX. CRIMP TOOL.

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TITLE

1.0/2.3 Plug Right Angle Connector Crimp/Solder Attachment For RG55, RG142, RG223, RG400

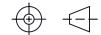
UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES  
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES: CABLE LENGTH (L) TOLERANCES:

.X = ±.2 [5.08]	FRACTIONS	L ≤ 12 [305] = +1 [25] / -0
.XX = ±.02 [5.1]	± 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

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION



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SHEET 1 OF 1

SCALE N/A

SIZE A	CAGE CODE 3FKR5	DRAWN BY K.GLEBOVA	ITEM NO. FMCN1818	REV A
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T-Rev.D

## TNC Male Connector Crimp/Solder Attachment For RG55, RG142, RG223, RG400 Cable

TNC male connector with crimp/solder attachment for RG55, RG142, RG223 and RG400, part number SC4263, 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 SC4263 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

<b>Size</b>	
Length	1.063 in [27 mm]
Width/Dia.	0.59 in [14.99 mm]
Weight	0.037 lbs [16.78 g]

### Material Specifications

Description	Material	Plating
Contact	Brass	Gold MIL-G-45204
Insulation	PTFE	
Body	Brass	Nickel QQ-N-290
Coupling Nut	Brass	Nickel QQ-N-290

### Environmental Specifications

#### Temperature

Operating Range -55 to +155 deg C

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

### Plotted and Other Data

Notes:



### Configuration:

- TNC Male Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry
- RG55, RG142, RG223, RG400 Interface Type
- Crimp/Solder Attachment

### 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

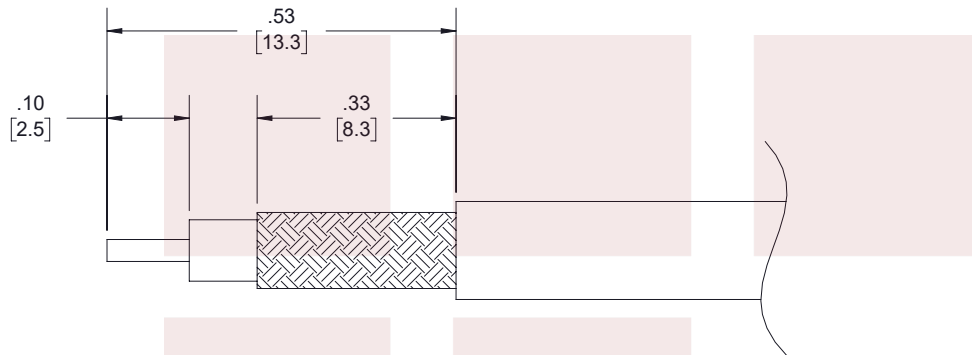
### Applications:

- General Purpose Test
- Custom Cable Assemblies

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[sales@fairviewmicrowave.com](mailto:sales@fairviewmicrowave.com)

## Assembly Instruction

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### **ASSEMBLY PROCEDURES**

1. STRIP CABLE TO THE DIMENSIONS SHOWN, DO NOT NICK CENTER CONDUCTOR OR BRAID.
2. PUSH CONTACT FULLY INTO THE CENTER CONDUCTOR AND SOLDER.
3. FLARE BRAID AND INSERT THE BODY UNTIL IT SEATS.
4. SLIDE FERRULE OVER BRAID AND CRIMP WITH CRIMP TOOL.

### **CRIMP SIZE REQUIRED**

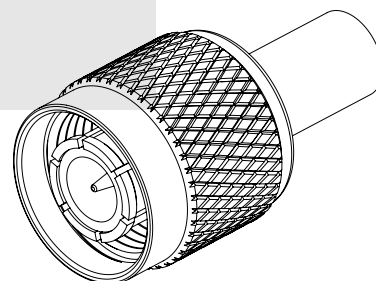
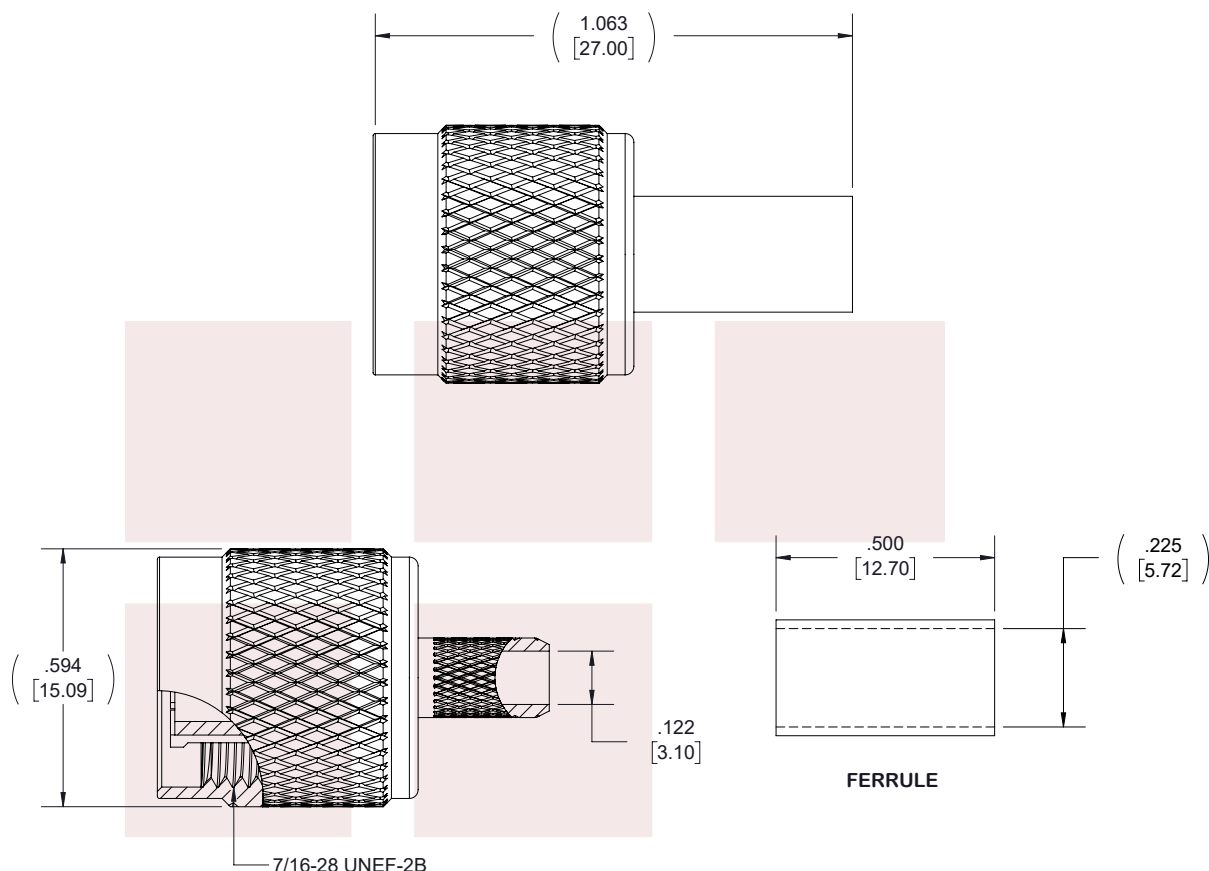
- CONTACT: SOLDER.
- FERRULE: .213 [5.41] HEX CRIMP TOOL.

TNC Male Connector Crimp/Solder Attachment For RG55, RG142, RG223, RG400 Cable 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 Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [TNC Male Connector Crimp/Solder Attachment For RG55, RG142, RG223, RG400 Cable SC4263](https://www.fairviewmicrowave.com/tnc-male-standard-rg55-rg142-rg223-rg400-connector-sc4263-p.aspx)

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**STANDARD TOLERANCES**

.X ±0.2  
.XX ±0.01  
.XXX ±0.005

\*STANDARD TOLERANCES APPLY  
ONLY TO DIMENSIONS IN INCHES

NOTES:  
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.  
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.  
3. DIMENSIONS ARE IN INCHES [mm].

TITLE  
TNC Male Connector Crimp/Solder Attachment For  
RG55, RG142, RG223, RG400 Cable

DWG NO SC4263 CAGE CODE 3FKR5

CAD FILE 04/11/18 SHEET 1 OF 1 SCALE N/A SIZE A 7361