

## 2.92mm Female (Jack) Connector 4 Hole Flange (Panel Mount) for RG405 Cable, Solder/Non-Solder Contact

2.92mm female 4 hole flange mount connector with solder/non-solder contact attachment for RG405, part number SC7620, from Fairview Microwave is in-stock and ships same day. This 2.92mm female connector operates up to a maximum frequency of 40 GHz and offers excellent VSWR of 1.18:1. Fairview's SC7620 4 hole flange 2.92mm 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 2.92mm female 4 hole flange connector SC7620 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		40	GHz
VSWR			1.18:1	
Insertion Loss			0.25	dB
Operating Voltage (AC)			170	Vrms
DWV (AC)			500	Vrms
High Potential Voltage 5 TO 7.5 MHz			325	Vrms
Corona Discharge			125	Vrms
Insulation Resistance	5,000			MOhms
RF Leakage	-90			dB

### Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Freq. Range	DC to 18	18 to 26.5	26.5 to 40			GHz
VSWR, Max	1.12:1	1.14:1	1.18:1			

### Mechanical Specifications

<b>Size</b>	
Length	0.545 in [13.84 mm]
Width/Dia.	0.5 in [12.70 mm]
Weight	0.0129 lbs [5.85 g]



### Configuration:

- 2.92mm Female Connector
- 50 Ohms
- Straight Body Geometry
- RG405 Interface Type
- Solder/Non-Solder Contact Attachment
- 4 Hole Flange

### Features:

- Operating Frequency of 40 GHz Max.
- Excellent VSWR of 1.18:1
- Gold Plated Beryllium Copper Contact
- 50µ in. minimum contact plating

### Applications:

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

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**Material Specifications**

Description	Material	Plating
Contact	Beryllium Copper	Gold 50μ in. minimum
Insulation	ULTEM	
Outer Conductor	Passivated Stainless Steel	
Body	Stainless Steel	Gold 50μ in. minimum

**Environmental Specifications**
**Temperature**

Operating Range

-65 to +150 deg C

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

**Plotted and Other Data**

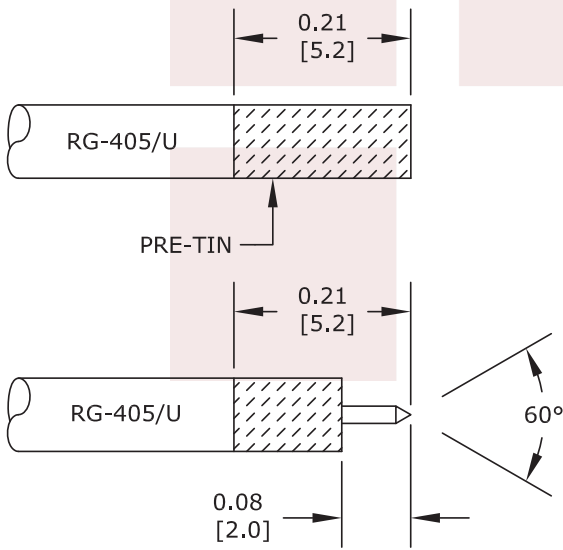
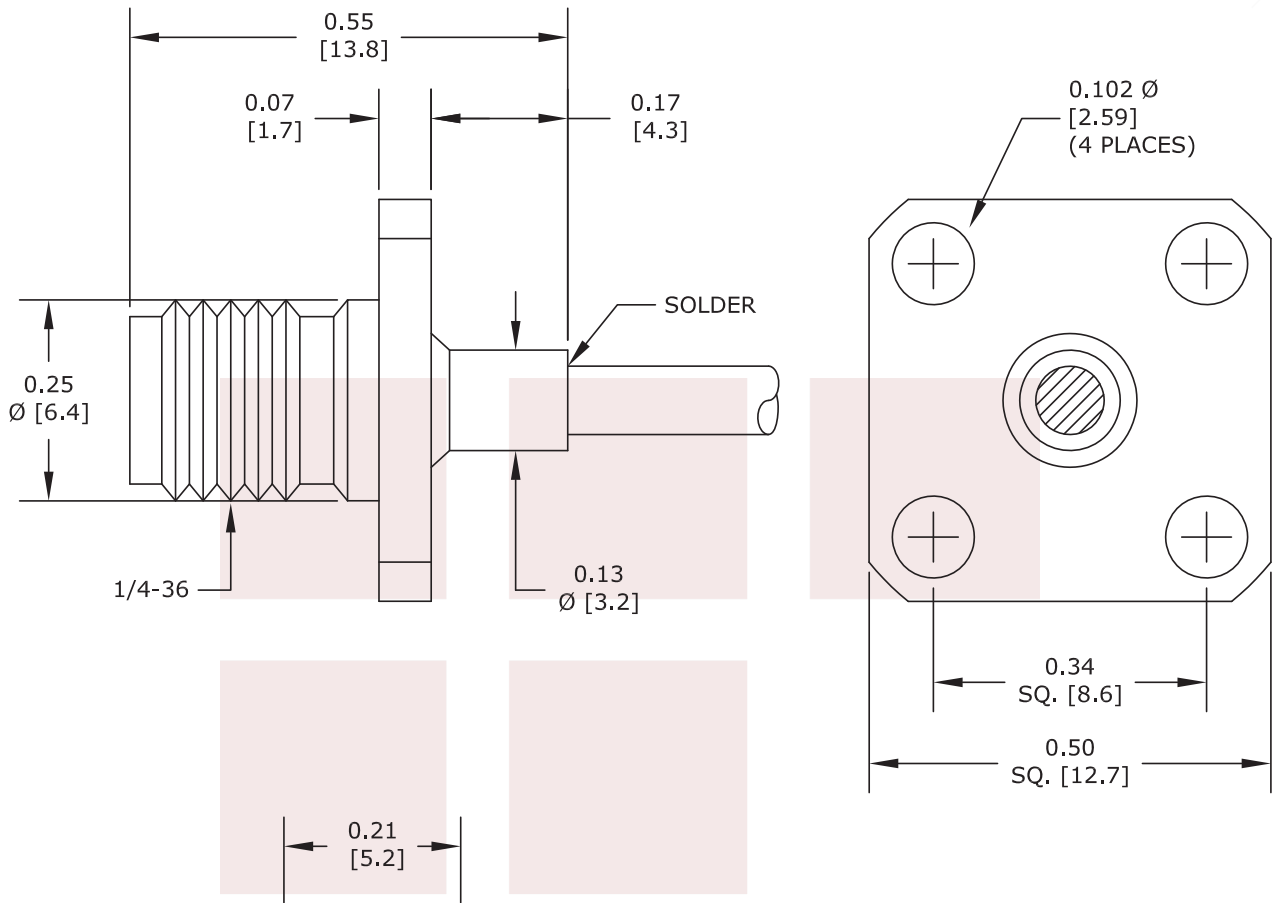
Notes:

2.92mm Female (Jack) Connector 4 Hole Flange (Panel Mount) for RG405 Cable, Solder/Non-Solder Contact 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: [2.92mm Female \(Jack\) Connector 4 Hole Flange \(Panel Mount\) for RG405 Cable, Solder/Non-Solder Contact SC7620](#)

URL: <https://www.fairviewmicrowave.com/2.92mm-female-rg405-connector-sc7620-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.



STRIPPING DIMENSIONS

**ASSEMBLY PROCEDURES**

1. PRE-TIN CABLE JACKET TO SHOW THE APPROXIMATE LENGTH SHOWN
2. TRIM CABLE JACKET & DIELECTRIC TO EXPOSE CENTER CONDUCTOR FOR A LENGTH OF  $.08 \pm 0.01$  (DO NOT NICK CENTER CONDUCTOR)
3. POINT CENTER CONDUCTOR AS SHOWN
4. HEAT CONNECTOR BODY BACK END AND INSERT TINNED CABLE INTO CONNECTOR BODY UNTIL PLUGGED- IN AND FULLY SEATED.
5. FLOW ADDITIONAL SOLDER WHERE INDICATED IF NECESSARY.

<p><b>Fairview Microwave</b> an INFINIT<sup>®</sup> brand</p>		<p>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].</p>			
<p>TITLE 2.92mm Female (Jack) Connector 4 Hole Flange (Panel Mount) for RG405 Cable, Solder/Non-Solder Contact</p>		<p>DWG NO SC7620</p>		<p>CAGE CODE 3FKR5</p>	
<p>CAD FILE 081814 SHEET</p>		<p>SCALE N/A</p>		<p>SIZE A 2233</p>	