

### 3.5mm Male Connector Clamp/Solder Attachment for FM-SR086ALTN, FM-SR086TB, FM-SR086TBJ, FM-SR086CUTN, RG405

3.5mm male connector with clamp/solder attachment for FM-SR086ALTN, FM-SR086TB, FM-SR086TBJ, FM-SR086CUTN and RG405, part number FMCN1827, from Fairview Microwave is in-stock and ships same day.

Fairview's 3.5mm male connector FMCN1827 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	0.94 in [23.88 mm]
Width/Dia.	0.312 in [7.92 mm]
Height	0.5 in [12.7 mm]
Weight	0.016 lbs [7.26 g]
Mating Torque	8 to 10 in-lbs [0.90 to 1.13 Nm]

#### Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold over Nickel 50 µin minimum
Insulation	PCTFE	
Body	Passivated Stainless Steel	SAE-AMS-2700
Coupling Nut	Passivated Stainless Steel	SAE-AMS-2700

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

#### Plotted and Other Data

Notes:



#### Configuration:

- 3.5mm Male Connector
- 50 Ohms
- Straight Body Geometry
- FM-SR086ALTN, FM-SR086TB, FM-SR086TBJ, FM-SR086CUTN, RG405 Interface Type
- Clamp/Solder Attachment
- 5/16 inch Hex

#### Features:

- Gold over Nickel Plated Beryllium Copper Contact
- 50 µin minimum contact plating

#### Applications:

- General Purpose Test
- Custom Cable Assemblies

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3.5mm Male Connector Clamp/Solder Attachment for FM-SR086ALTN, FM-SR086TB, FM-SR086TBJ, FM-SR086CUTN, RG405 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.

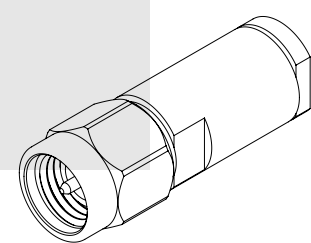
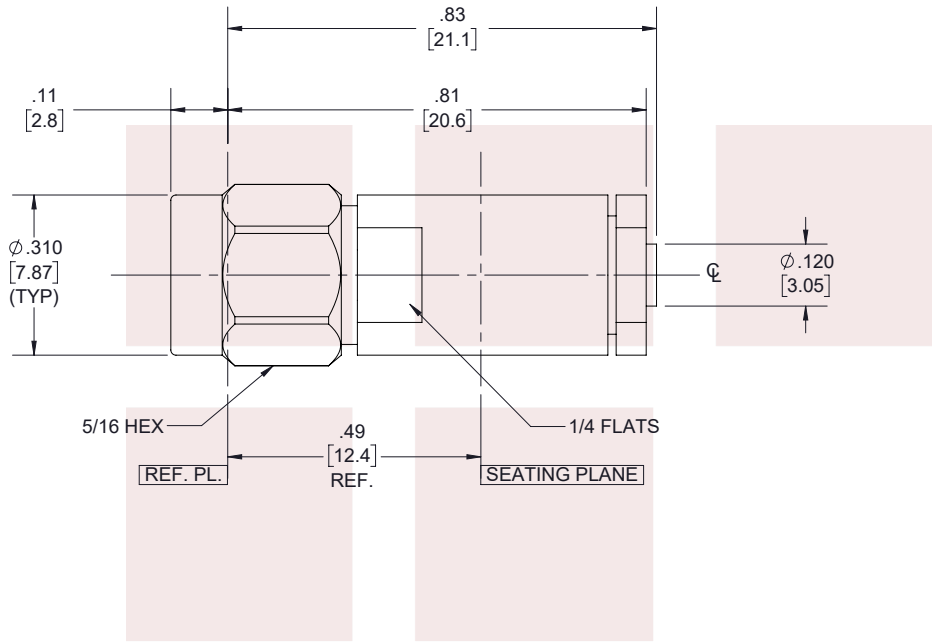
For additional information on this product, please click the following link: [3.5mm Male Connector Clamp/Solder Attachment for FM-SR086ALTN, FM-SR086TB, FM-SR086TBJ, FM-SR086CUTN, RG405 FMCN1827](#)

URL: <https://www.fairviewmicrowave.com/3.5mm-male-fm-sr086altn-fm-sr086tb-fm-sr086tbj-fm-sr086cutn-rg405-connector-fmcn1827-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	02/11/2022	A.GANWANI



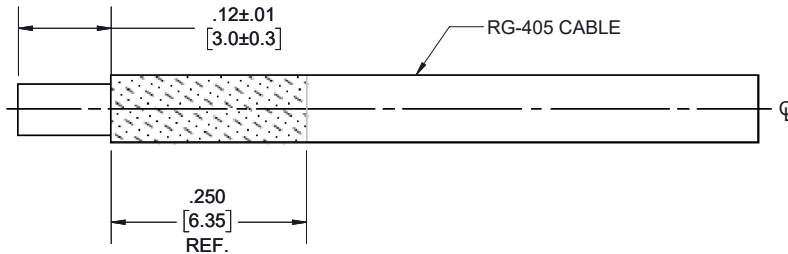
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<p><b>Fairview Microwave</b> an INFINIT<sup>®</sup> brand</p>	UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS		THIRD-ANGLE PROJECTION 	
	TOLERANCES:		CABLE LENGTH (L) TOLERANCES:	
TITLE  3.5mm Male Connector Clamp/Solder Attachment for FM-SR086ALTN, FM-SR086TB, FM-SR086TBJ, FM- SR086CUTN, RG405	.X = ±.2 [ .508]	FRACTIONS ± 1/32	L ≤ 12 [305] = +1 [25] / -0	THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF FAIRVIEW MICROWAVE CORPORATION. ALL RIGHTS RESERVED. SHEET 1 OF 2
	.XX = ±.02 [ .51]	ANGLES ± 1°	12 [305] < L ≤ 60 [1524] = +2 [51] / -0 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.				REV A
SIZE A	CAGE CODE 3FKR5	DRAWN BY K.GLEBOVA	ITEM NO. FMCN1827	REV A

T-Rev.D

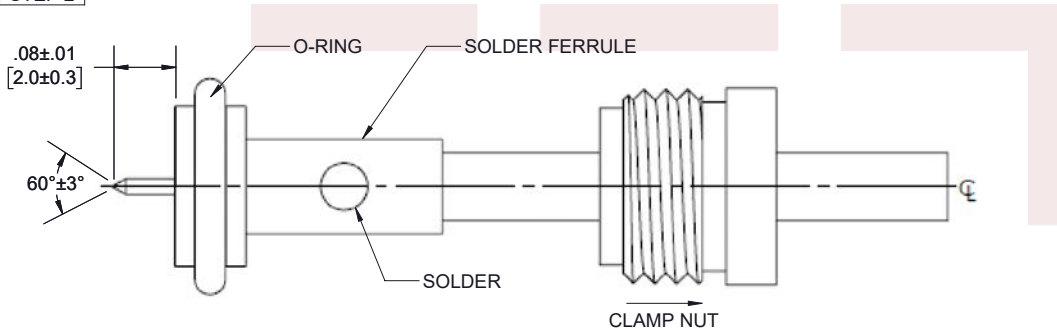
ASSEMBLY PROCEDURES

STEP 1



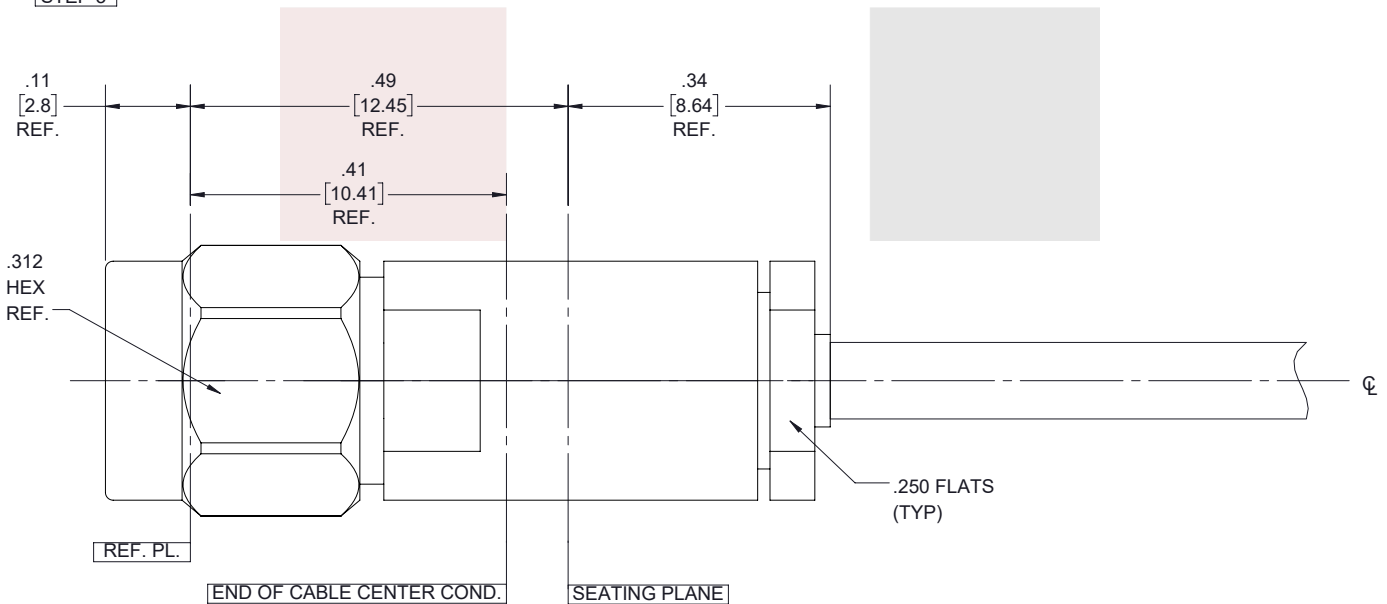
- 1A. TRIM CABLE TO EXPOSE DIELECTRIC CORE AS SHOWN.
- 1B. PRE-TIN CABLE JACKET TO APPROXIMATE DIMENSION SHOWN.

STEP 2



- 2A. SLIDE CLAMP NUT ONTO CABLE IN ORIENTATION SHOWN.
- 2B. INSERT CABLE INTO SOLDER FERRULE UNTIL FULLY SEATED. THEN SOLDER CABLE TO FERRULE WHERE SHOWN.
- 2C. TRIM CABLE DIELECTRIC FLUSH WITH FERRULE FACE (DO NOT SCORE CENTER CONDUCTOR). THEN POINT CENTER CONDUCTOR AS SHOWN.

STEP 3



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DISTANCE FROM END OF CABLE CENTER COND. TO REF PL. IS .410 (REF.)

- 3. INSERT CABLE SUB-ASSEMBLY INTO CONNECTOR BODY UNTIL SOLDER FERRULE IS SEATED AND TIGHTEN CLAMP NUT TO 25-35 IN. LBS.