

SMA Male Connector Clamp/Solder Attachment For LL160 Cable

SMA male connector with clamp/solder attachment for LL160, part number FMCN1465, from Fairview Microwave is in-stock and ships same day. This SMA male connector operates up to a maximum frequency of 18 GHz and offers excellent VSWR of 1.16:1.

Fairview's SMA male connector FMCN1465 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		18	GHz
VSWR			1.16:1	
DWV (AC)			1,000	Vrms

Electrical Specification Notes:
Insertion Loss is 0.04*SQRT(Freq GHz)

Mechanical Specifications

Weight 0.36 lbs [163.29 g]

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold ASTM-B488
Insulation	PTFE	
Body	Passivated Stainless Steel	
Coupling Nut	Passivated Stainless Steel	
Gasket	Silicone Rubber	
Crimp Sleeve	Brass	Gold ASTM-B488
O-Ring	Silicone Rubber	

Environmental Specifications

Temperature

Operating Range -65 to +165 deg C

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

Plotted and Other Data

Notes:



Configuration:

- SMA Male Connector
- 50 Ohms
- Straight Body Geometry
- LL160 Interface Type
- Clamp/Solder Attachment

Features:

- Operating Frequency of 18 GHz Max.
- Excellent VSWR of 1.16:1
- Gold Plated Beryllium Copper Contact
- Contact plating according to ASTM-B488

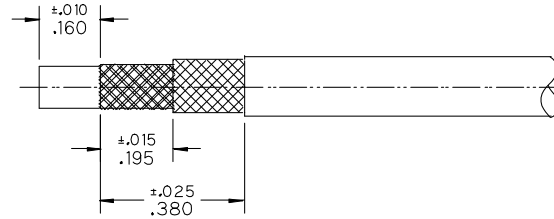
Applications:

- General Purpose Test
- Custom Cable Assemblies

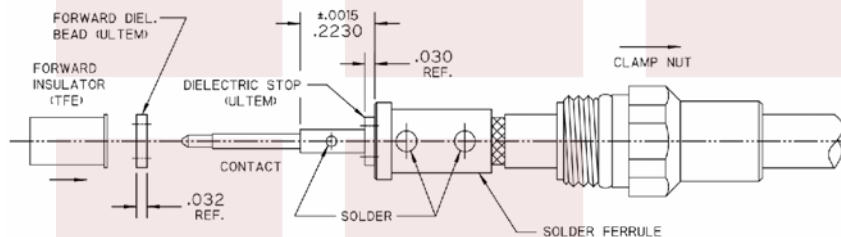
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Assembly Instruction

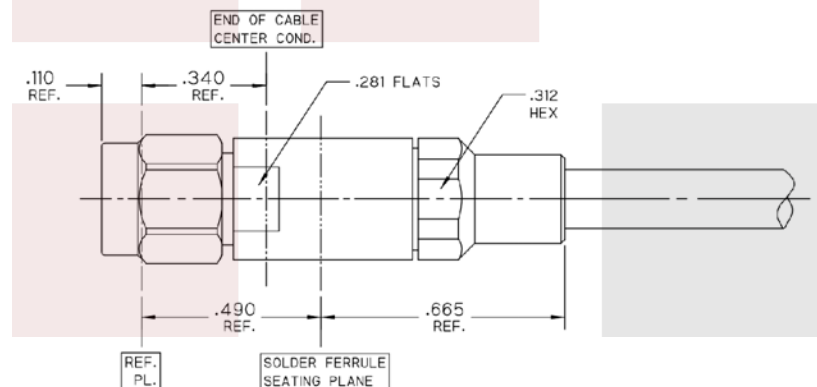
1. TRIM CABLE TO EXPOSE DIELECTRIC AND BRAIDS AS SHOWN.



2. A. SLIDE CLAMP NUT OVER CABLE AS SHOWN.
B. INSERT CABLE INTO SOLDER FERRULE UNTIL INNER BRAID SEATS THEN SOLDER CABLE BRAIDS WHERE SHOWN.
C. TRIM CABLE DIELECTRIC FLUSH WITH FACE OF SOLDER FERRULE.
D. SLIDE DIELECTRIC STOP ($\phi .144$ OD) OVER CABLE CENTER CONDUCTOR AND SOLDER CONTACT FLUSH TO STOP TO DIMENSION SHOWN.
E. SLIDE FORWARD INSULATOR & DIELECTRIC BEAD ($\phi .158$ OD) ONTO CONTACT.



3. INSERT CABLE/CONTACT SUB-ASSEMBLY INTO CONNECTOR UNTIL SEATED AND TIGHTEN CLAMP NUT TO 25-35 IN-LBS.



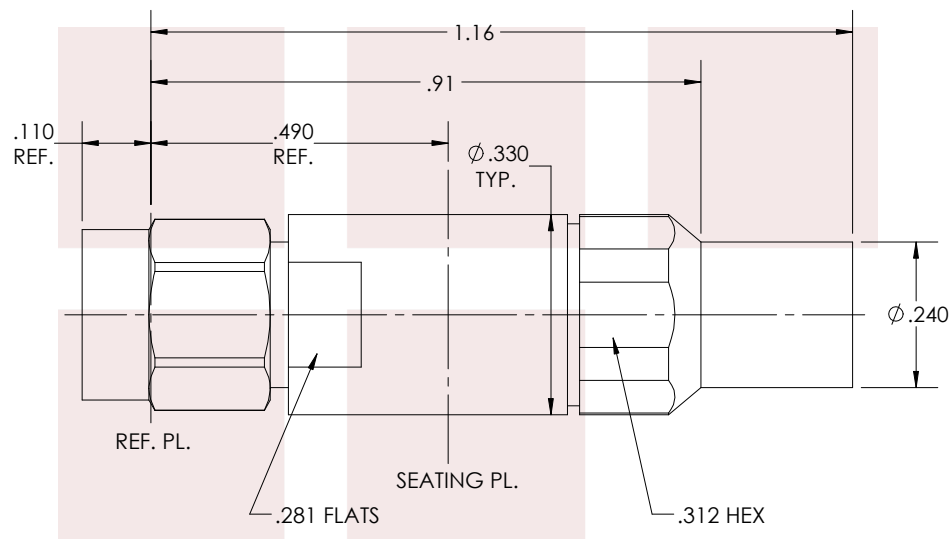
SMA Male Connector Clamp/Solder Attachment For LL160 Cable from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [SMA Male Connector Clamp/Solder Attachment For LL160 Cable FMCN1465](#)

URL: <https://www.fairviewmicrowave.com/sma-male-ll160-connector-fmcn1465-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.





STANDARD TOLERANCES

.X ±0.2
.XX ±0.01
.XXX ±0.005

*STANDARD TOLERANCES APPLY
ONLY TO DIMENSIONS IN INCHES

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TITLE

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LL160 Cable

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].

DWG NO

FMCN1465

CAGE CODE

3FKR5

CAD FILE 01/08/18

SHEET

SCALE N/A

SIZE A

GF0006