

## 7/16 DIN Male Right Angle Connector Crimp/Solder Attachment for LMR-195, LMR-195-FR,

RA 7/16 DIN male connector with crimp/solder attachment for LMR-195 and LMR-195-FR, part number FMCN1837, from Fairview Microwave is in-stock and ships same day. This 7/16 DIN male connector operates up to a maximum frequency of 3 GHz and offers excellent VSWR of 1.2:1. Its right angle body geometry facilitates connections in tight spaces.

Fairview's RA 7/16 DIN male connector FMCN1837 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		3	GHz
VSWR			1.2:1	

### Mechanical Specifications

Size	
Length	1.5 in [38.1 mm]
Width/Dia.	0.22 in [5.59 mm]
Height	1.77 in [44.96 mm]
Weight	0.28 lbs [127.01 g]

### Material Specifications

Description	Material	Plating
Contact	Brass	Silver
Insulation	PTFE	
Body	Brass	Tri-Metal
Coupling Nut	Brass	Tri-Metal

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

### Plotted and Other Data

Notes:



### Configuration:

- 7/16 DIN Male Connector
- IEC 169-4
- 50 Ohms
- Right Angle Body Geometry
- LMR-195, LMR-195-FR Interface Type
- Crimp/Solder Attachment
- 32 mm Hex

### Features:

- Operating Frequency of 3 GHz Max.
- Excellent VSWR of 1.2:1
- Silver Plated Brass Contact

### Applications:

- General Purpose Test
- Custom Cable Assemblies

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7/16 DIN Male Right Angle Connector Crimp/Solder Attachment for LMR-195, LMR-195-FR, 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.

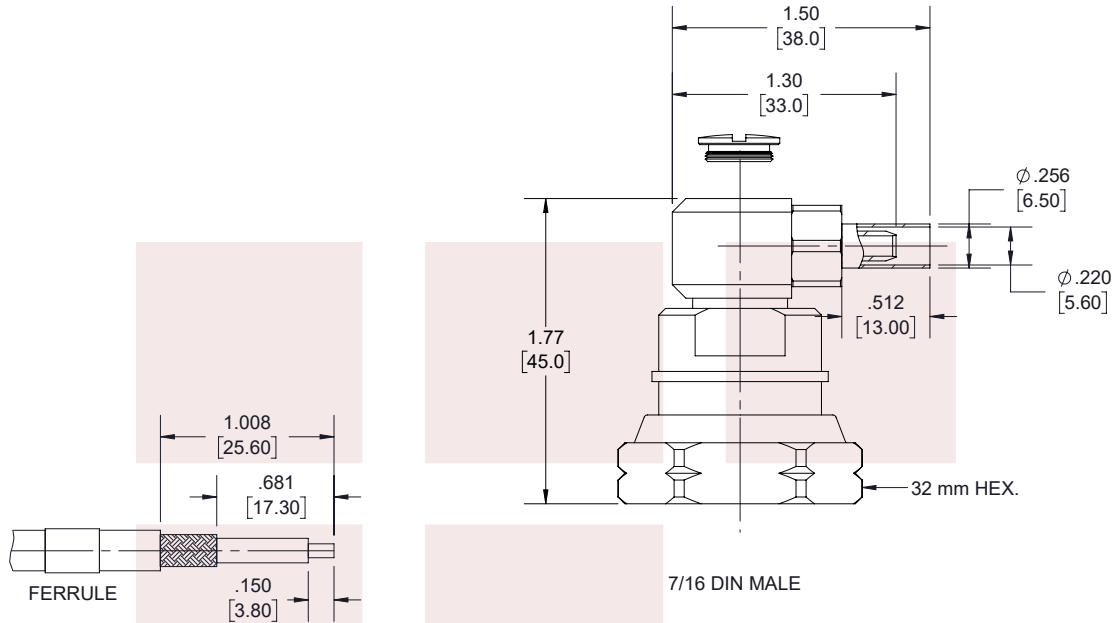
For additional information on this product, please click the following link: [7/16 DIN Male Right Angle Connector Crimp/Solder Attachment for LMR-195, LMR-195-FR, FMCN1837](#)

URL: <https://www.fairviewmicrowave.com/7-16-din-male-lmr-195-lmr-195-fr-connector-fmcn1837-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



### ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN. SLIDE FERRULE OVER CABLE.
2. FLAIR BRAID AND INSERT THE STRIPPED CABLE INTO BODY AND POSITION THE CENTER CONDUCTOR IN THE SLOT OF THE CENTER PIN.
3. SLIDE FERRULE OVER BRAIS UP TO THE CONNECTOR BODY AND CRIMP AS CLOSE TO THE CONNECTOR BODY AS POSSIBLE USING A .213" HEX. CRIMP TOOL.
4. SOLDER THE CENTER CONDUCTOR OF THE CABLE TO THE CENTER PIN. TIGHTEN DOWN THE CAP INTO THE REAR APERTURE OF THE BODY.

### CRIMP TOOL REQUIRED

CONTACT: SOLDER.

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

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TITLE

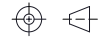
7/16 DIN Male Right Angle Connector Crimp/Solder Attachment for LMR-195, LMR-195-FR,

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

TOLERANCES: CABLE LENGTH (L) TOLERANCES:

.X = ±.2 [5.08]	FRACTIONS ± 1/32	L ≤ 12 [305] = +1 [25] / -0
.XX = ±.02 [.51]	ANGLES ± 1°	12 [305] < L ≤ 60 [1524] = +2 [51] / -0
.XXX = ±.005 [.13]		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 K.GLEBOVA	ITEM NO. FMCN1837	REV A
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