

## SHV Jack Connector Clamp/Solder Attachment for RG58, LMR-195, LMR-195-FR, LMR- 195-UF, LMR-LW195, PE-C195 Cable



### FMCN45860

#### Configuration

- SHV Jack Connector
- MIL-STD-348B
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: RG58, LMR-195, LMR-195-FR, LMR-195-UF, LMR-LW195, PE-C195
- 3/8 Inch Hex

#### Features

- Operating Frequency of 300 MHz Max.
- Gold over Nickel over copper Plated Brass Contact

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

SHV Jack Connector Clamp/Solder Attachment for RG58, LMR-195, LMR-195-FR, LMR-195-UF, LMR-LW195 and PE-C195 Cable, part number FMCN45860, from Fairview Microwave is in-stock and ships same day. This SHV jack connector operates up to a maximum frequency of 300 MHz.

Fairview's SHV jack connector FMCN45860 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	Minimum	Typical	Maximum	Units
Frequency Range	DC		300	MHz
Operating Voltage (AC)			3,500	Vrms
Dielectric Withstanding Voltage (AC)			5,000	Vrms
Inner Conductor DC Resistance			2	mOhms
Outer Conductor DC Resistance			1.5	mOhms
Impedance		50		Ohms

#### Mechanical Specifications

##### Size

Length	2.01 in [51.05 mm]
Width	0.43 in [10.92 mm]
Height	0.43 in [10.92 mm]
Weight	0.048 lbs [21.77 g]

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**Material Specifications**

Description	Material	Plating
Contact	Brass	Gold over Nickel over copper
Insulation	Teflon	
Body	Brass	Tinned Copper
Coupling Nut	Brass	Tinned Copper
Gasket	Silicon	
Washer	Brass	Tinned Copper BNC3200-0058-11/W

**Environmental Specifications**

**Temperature**

Operating Range  
Thermal Shock

-65 to 165 deg C  
MIL-STD-202, Method 107, Condition B

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

**Plotted and Other Data**

Notes:

SHV Jack Connector Clamp/Solder Attachment for RG58, LMR-195, LMR-195-FR, LMR-195-UF, LMR-LW195, PE-C195 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 Lewisville, Texas. Fairview Microwave is RF on-demand.

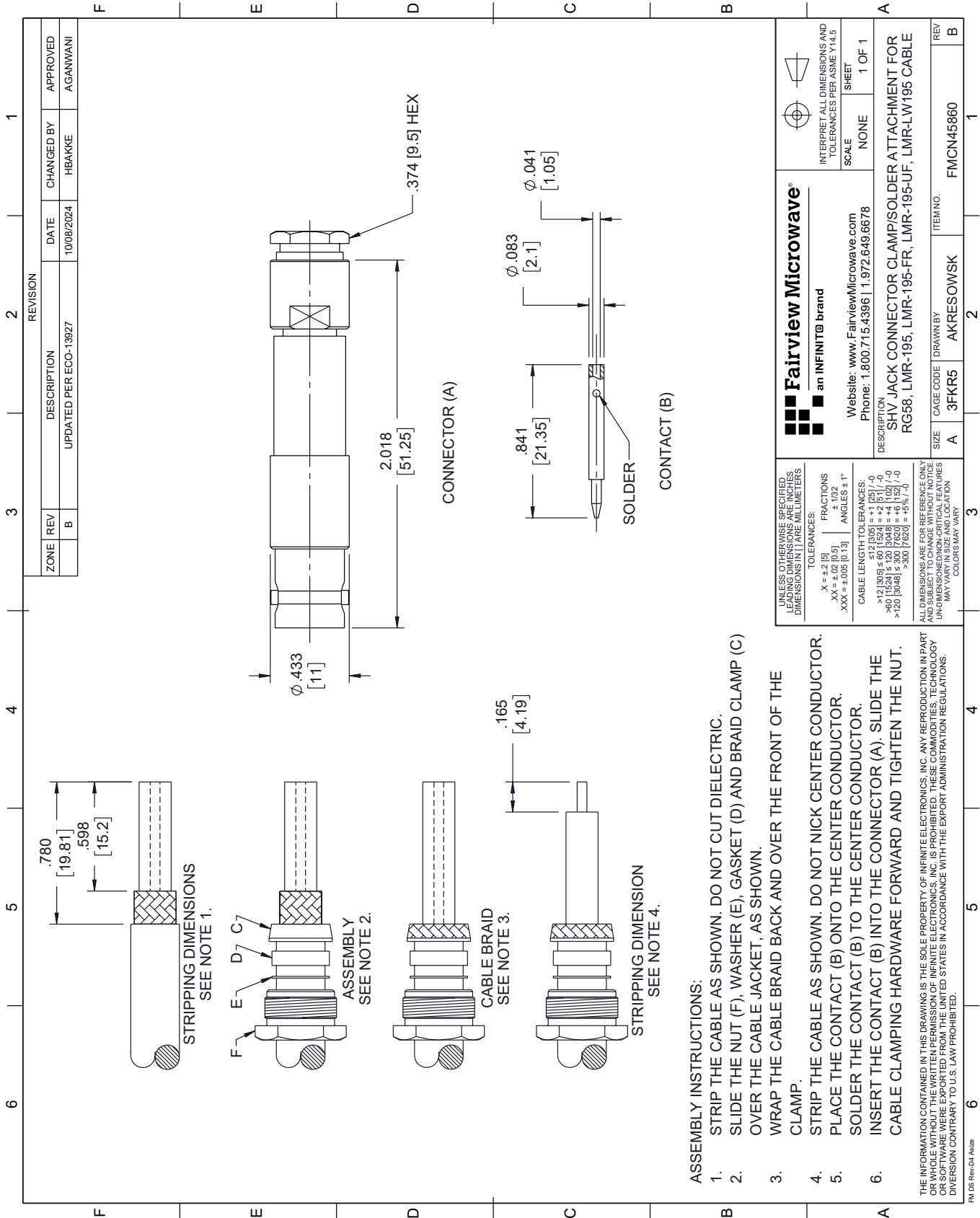
For additional information on this product, please click the following link: [SHV Jack Connector Clamp/Solder Attachment for RG58, LMR-195, LMR-195-FR, LMR-195-UF, LMR-LW195, PE-C195 Cable FMCN45860](#)

URL: <https://www.fairviewmicrowave.com/product/rf-connectors/shv-jack-rg58-connector-fmcn45860.html>

The information contained within 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 liability arising out of the use of any part or document.

# FMCN45860 CAD Drawing

SHV Jack Connector Clamp/Solder Attachment for RG58, LMR-195, LMR-195-FR, LMR-195-UF, LMR-LW195, PE-C195 Cable



ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	B	UPDATED PER ECO-13927	10/08/2024	HBAKKE	AGANWANI

 <b>Fairview Microwave</b> an INFINIT® brand		Website: <a href="http://www.FairviewMicrowave.com">www.FairviewMicrowave.com</a> Phone: 1.800.715.4396   1.972.649.6678	INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SCALE: NONE SHEET: 1 OF 1
UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES AND TRAILING DIMENSIONS ARE IN MILLIMETERS.		TOLERANCES: .X = ±.2 (5) .XX = ±.02 (0.5) .XXX = ±.005 (0.13)	FRACTIONS: ± 1/32 ANGLES ± 1°
CABLE LENGTH TOLERANCES: >12 (305) ≤ 60 (1524) = ±1 (25) / -0 >60 (1524) ≤ 120 (3048) = ±4 (102) / -0 >120 (3048) ≤ 300 (7620) = ±5% / -0		ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNLESS OTHERWISE SPECIFIED, DIMENSIONS MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.	
DESCRIPTION: SHV JACK CONNECTOR CLAMP/SOLDER ATTACHMENT FOR RG58, LMR-195, LMR-195-FR, LMR-195-UF, LMR-LW195 CABLE	SIZE: A CAGE CODE: 3FKR5 DRAWN BY: AKRESOWSK	ITEM NO.: FMCN45860	REV: B

- ASSEMBLY INSTRUCTIONS:**
- STRIP THE CABLE AS SHOWN. DO NOT CUT DIELECTRIC.
  - SLIDE THE NUT (F), WASHER (E), GASKET (D) AND BRAID CLAMP (C) OVER THE CABLE JACKET, AS SHOWN.
  - WRAP THE CABLE BRAID BACK AND OVER THE FRONT OF THE CLAMP.
  - STRIP THE CABLE AS SHOWN. DO NOT NICK CENTER CONDUCTOR.
  - PLACE THE CONTACT (B) ONTO THE CENTER CONDUCTOR. SOLDER THE CONTACT (B) TO THE CENTER CONDUCTOR.
  - INSERT THE CONTACT (B) INTO THE CONNECTOR (A). SLIDE THE CABLE CLAMPING HARDWARE FORWARD AND TIGHTEN THE NUT.

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