

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



FMCN45852

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

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 Crimp/Solder Attachment for RG58, LMR-195, LMR-195-FR, LMR-195-UF, LMR-LW195 and PE-C195 Cable, part number FMCN45852, 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 FMCN45852 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	1.82 in [46.23 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
Crimp Sleeve	Brass	Tinned Copper

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 Crimp/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.

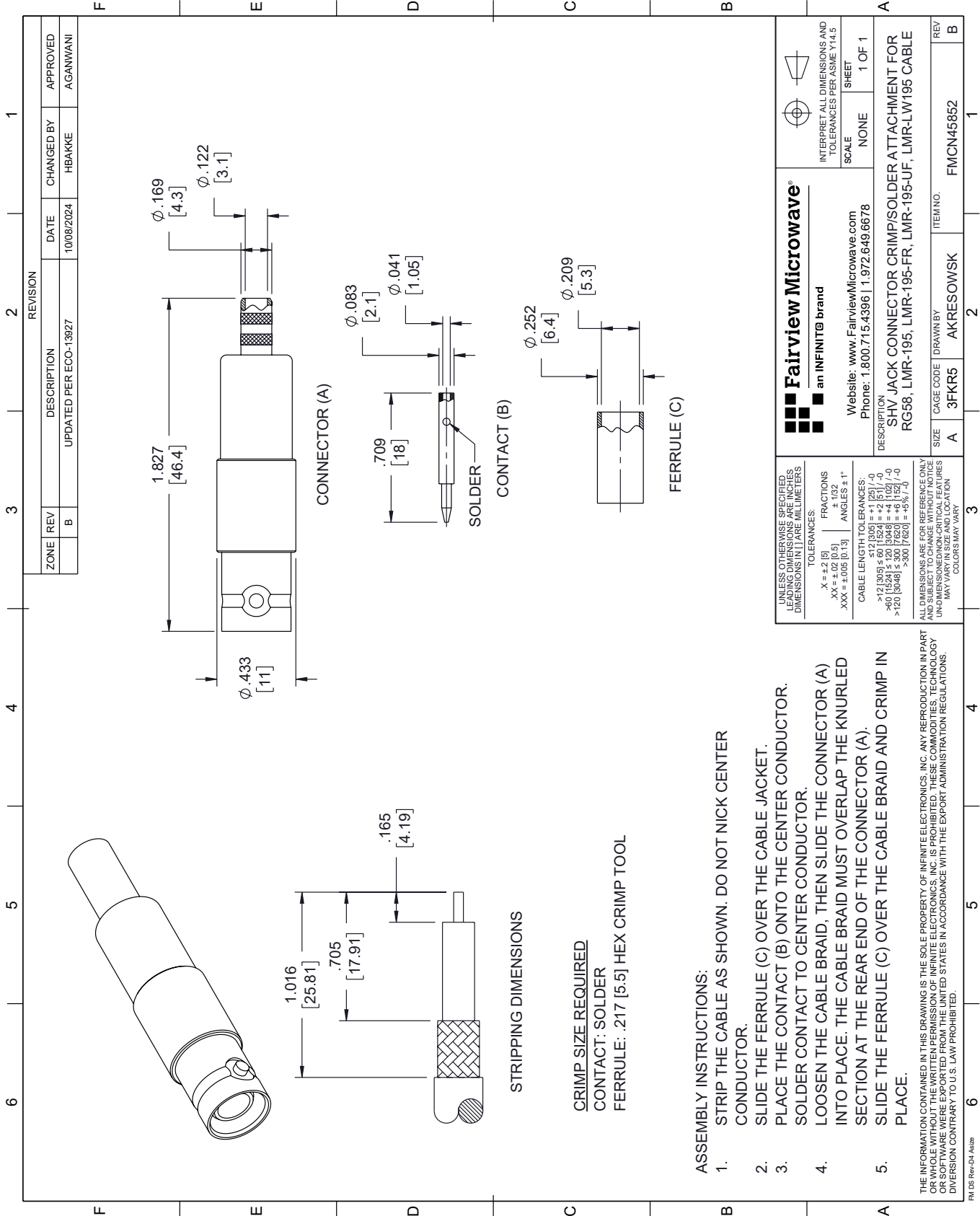
For additional information on this product, please click the following link: [SHV Jack Connector Crimp/Solder Attachment for RG58, LMR-195, LMR-195-FR, LMR-195-UF, LMR-LW195, PE-C195 Cable FMCN45852](#)

URL: <https://www.fairviewmicrowave.com/product/rf-connectors/shv-jack-rg58-connector-fmcn45852.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.

FMCN45852 CAD Drawing

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



REVISION		DATE	CHANGED BY	APPROVED
ZONE	REV	DESCRIPTION		
	B	UPDATED PER ECO-13927	HBAKKE	AGANWANI

 Website: www.FairviewMicrowave.com Phone: 1.800.715.4396 1.972.649.6678		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SCALE: NONE SHEET: 1 OF 1
DESCRIPTION SHV JACK CONNECTOR CRIMP/SOLDER ATTACHMENT FOR RG58, LMR-195, LMR-195-FR, LMR-195-UF, LMR-LW195 CABLE		
SIZE	CAGE CODE	ITEM NO.
A	3FKR5	AKRESOWSK
DRAWN BY		REV
A		B

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

TOLERANCES:

X = ±.2 [5] FRACTIONS ± 1/32
 .XX = ±.02 [0.5] ANGLES ± 1°
 .XXX = ±.005 [0.13]

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. UNDIMENSIONED/NO-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.

- ASSEMBLY INSTRUCTIONS:**
- STRIP THE CABLE AS SHOWN. DO NOT NICK CENTER CONDUCTOR.
 - SLIDE THE FERRULE (C) OVER THE CABLE JACKET.
 - PLACE THE CONTACT (B) ONTO THE CENTER CONDUCTOR. SOLDER CONTACT TO CENTER CONDUCTOR.
 - LOOSEN THE CABLE BRAID, THEN SLIDE THE CONNECTOR (A) INTO PLACE. THE CABLE BRAID MUST OVERLAP THE KNURLED SECTION AT THE REAR END OF THE CONNECTOR (A).
 - SLIDE THE FERRULE (C) OVER THE CABLE BRAID AND CRIMP IN PLACE.
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