

RA SHV Plug Connector Crimp/Solder Attachment for RG59BU Cable

FMCN45847



Configuration

- SHV Plug Connector
- MIL-STD-348B
- 50 Ohms
- Right Angle Body Geometry
- Connector Interface Types: RG59BU

Features

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

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

RA SHV Plug Standard Connector Crimp/Solder Attachment for RG59BU Cable, part number FMCN45847, from Fairview Microwave is in-stock and ships same day. This SHV plug connector operates up to a maximum frequency of 300 MHz. Its right angle body geometry facilitates connections in tight spaces.

Fairview's RA SHV plug connector FMCN45847 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
Insulation Resistance	5,000			MOhms
Impedance		50		Ohms

Mechanical Specifications

Size

Length	1.01 in [25.65 mm]
Width	0.57 in [14.48 mm]
Height	1.48 in [37.59 mm]
Weight	0.062 lbs [28.12 g]

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Material Specifications

Description	Material	Plating
Contact	Brass	Gold over Nickel over copper
Contact Spring		Tinned Copper
Insulation	Teflon	
Body	Brass	Tinned Copper
Coupling Nut	Brass	Tinned Copper
Gasket	Silicone	
Crimp Sleeve	Brass	Tinned Copper
Washer	Brass	Tinned Copper
		BNC3100-4/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:

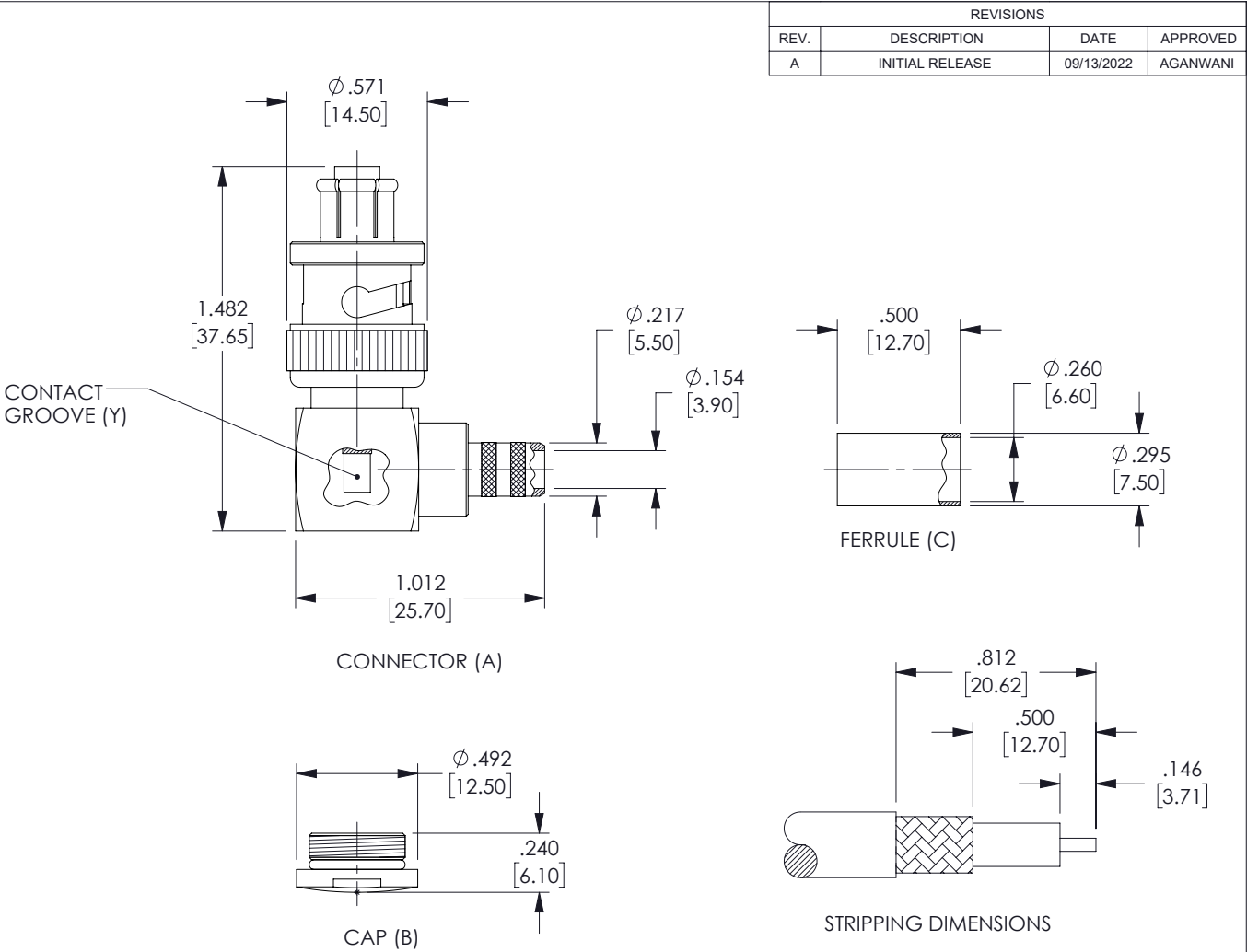
RA SHV Plug Connector Crimp/Solder Attachment for RG59BU Cable from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [RA SHV Plug Connector Crimp/Solder Attachment for RG59BU Cable FMCN45847](#)

URL: <https://www.fairviewmicrowave.com/shv-plug-rg59bu-connector-fmcn45847-p.aspx>

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.

FMCN45847 CAD Drawing
RA SHV Plug Connector Crimp/Solder Attachment for RG59BU Cable



- ASSEMBLY INSTRUCTIONS:
- 1. STRIP THE CABLE AS SHOWN. DO NOT NICK CENTER CONDUCTOR.
 - 2. SLIDE THE FERRULE (C) OVER THE CABLE JACKET.
 - 3. LOOSEN THE CABLE BRAID, THEN INSERT THE CENTER CONDUCTOR INTO THE CONNECTOR (A) UNTIL IT APPEARS IN THE CONTACT GROOVE (Y). THE CABLE BRAID MUST OVERLAP THE KNURLED SECTION OF THE CONNECTOR (A). SOLDER THE CENTER CONDUCTOR IN THE CONTACT GROOVE.
 - 4. SLIDE THE FERRULE (C) OVER THE CABLE BRAID AND CRIMP IN PLACE.
 - 5. SCREW THE CAP (B) INTO THE CONNECTOR (A).

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	TOLERANCES: CABLE LENGTH (L) TOLERANCES:		THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF FAIRVIEW MICROWAVE CORPORATION. ALL RIGHTS RESERVED.	
	.X = ± .02 [.51] FRACTIONS ± 1/32 ANGLES ± 1°		SHEET 1 OF 1	
	ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.		SCALE N/A	
SIZE A	CAGE CODE 3FKR5	DRAWN BY AKRESOWSK	ITEM NO. FMCN45847	REV A