

SHV jack crimp for RG142, RG400

SHV jack connector with crimp/solder attachment for RG59, part number FMCN45853, 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 FMCN45853 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		300	MHz
Operating Voltage (AC)			3,500	Vrms
DWV (AC)			5,000	Vrms
Inner Cond. DC Resistance			2	mOhms
Outer Cond. DC Resistance			1.5	mOhms

Mechanical Specifications

Size

Length	1.82 in [46.23 mm]
Width/Dia.	0.43 in [10.92 mm]
Height	0.43 in [10.92 mm]
Weight	0.048 lbs [21.77 g]

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

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

Plotted and Other Data

Notes:



Configuration:

- SHV Jack Connector
- MIL-STD-348B
- 50 Ohms
- Straight Body Geometry
- RG59 Interface Type
- Crimp/Solder Attachment

Features:

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

Applications:

- General Purpose Test
- Custom Cable Assemblies

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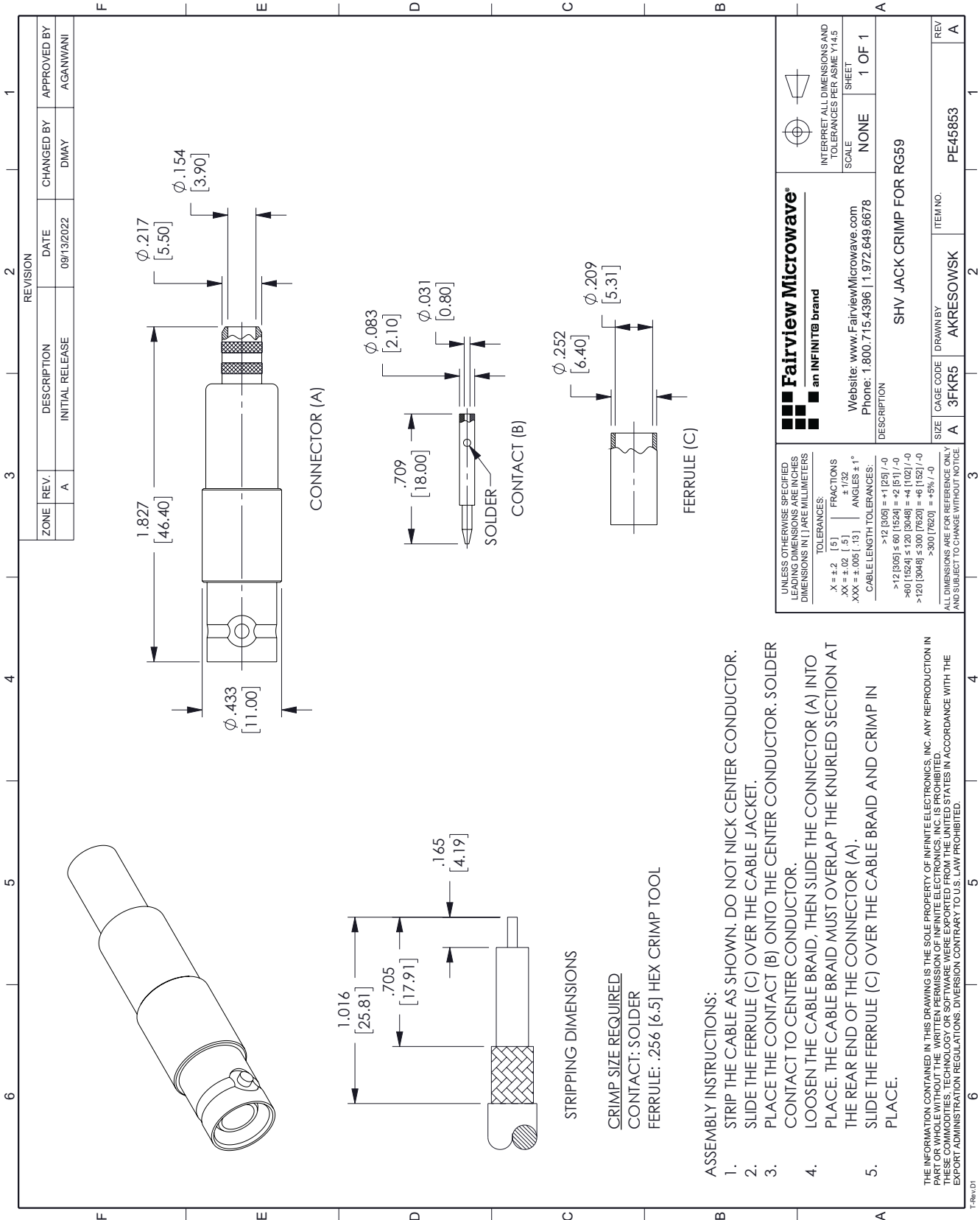
SHV jack crimp for RG142, RG400 from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [SHV jack crimp for RG142, RG400 FMCN45853](#)

URL: <https://www.fairviewmicrowave.com/shv-jack-rg59-connector-fmcn45853-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.





ZONE	REV.	DESCRIPTION	DATE	CHANGED BY	APPROVED BY
A	A	INITIAL RELEASE	09/13/2022	DMAY	AGANWANI

<p>Fairview Microwave[®] an INFINIT[®] brand</p> <p>Website: www.FairviewMicrowave.com Phone: 1.800.715.4396 1.972.649.6678</p>	<p>INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5</p>
	<p>SCALE: NONE</p> <p>SHEET: 1 OF 1</p>
<p>DESCRIPTION: SHV JACK CRIMP FOR RG59</p>	
<p>SIZE: A</p> <p>CAGE CODE: 3FKR5</p> <p>DRAWN BY: AKRESOWSK</p> <p>ITEM NO.: PE45853</p>	<p>REV: A</p>

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS.

TOLERANCES:

X = ±.2 [5] FRACTIONS
 .XX = ±.02 [.5] ANGLES ± 1°
 .XXX = ±.005 [.13]

CABLE LENGTH TOLERANCES:

>12 [305] = ±1 [25] / -0
 >12 [305] ≤ 60 [1524] = +2 [51] / -0
 >60 [1524] ≤ 120 [3048] = +4 [102] / -0
 >120 [3048] ≤ 300 [7620] = +6 [152] / -0
 >300 [7620] = +5% / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE.

- 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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