

## SHV plug crimp right angle for RG174, RG188, RG316

RA SHV plug connector with clamp/solder attachment for RG174, RG188 and RG316, part number FMCN45848, 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 FMCN45848 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
Insulation Resistance	5,000			MOhms

### Mechanical Specifications

#### Size

Length	1.48 in [37.59 mm]
Width/Dia.	0.57 in [14.48 mm]
Height	0.88 in [22.35 mm]
Weight	0.062 lbs [28.12 g]

### Material Specifications

Description	Material	Plating
Contact	Brass	Tinned Copper
Contact Spring		Tinned Copper
Insulation	Teflon	
Body	Brass	Tinned Copper
Coupling Nut	Brass	Tinned Copper
Gasket	Silicon	
Crimp Sleeve	Brass	Tinned Copper
Washer	Brass	Tinned Copper BNC3100-6/W

### Environmental Specifications

#### Temperature

Operating Range	-65 to +165 deg C
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### Configuration:

- SHV Plug Connector
- MIL-STD-348B
- 50 Ohms
- Right Angle Body Geometry
- RG174, RG188, RG316 Interface Type
- Clamp/Solder Attachment

### Features:

- Operating Frequency of 300 MHz Max.
- Tinned Copper Plated Brass Contact

### Applications:

- General Purpose Test
- Custom Cable Assemblies

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Thermal Shock

MIL-STD-202, Method 107, Condition B

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

### Plotted and Other Data

Notes:

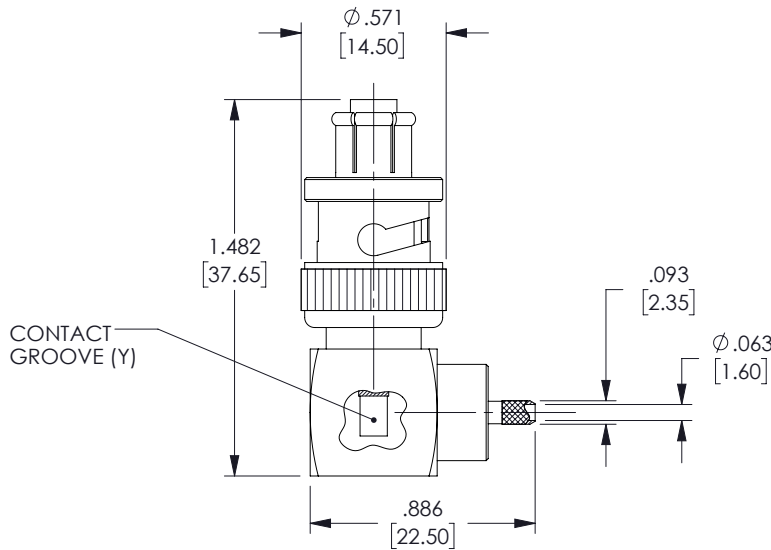
SHV plug crimp right angle for RG174, RG188, RG316 from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [SHV plug crimp right angle for RG174, RG188, RG316 FMCN45848](#)

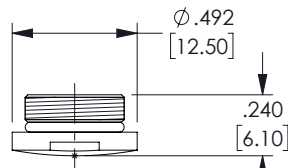
URL: <https://www.fairviewmicrowave.com/shv-plug-rg174-rg188-rg316-connector-fmcn45848-p.aspx>

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.

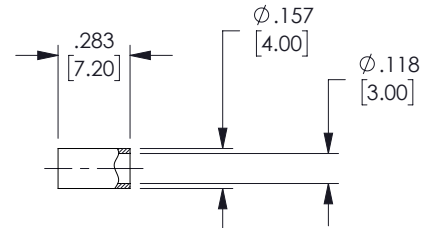
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	09/13/2022	AGANWANI



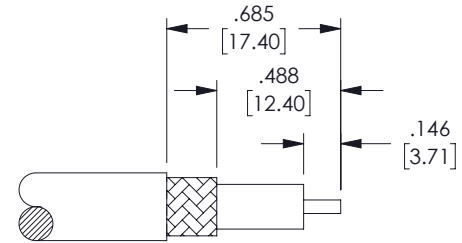
CONNECTOR (A)



CAP (B)



FERRULE (C)



STRIPPING DIMENSIONS

CRIMP SIZE REQUIRED  
CONTACT: SOLDER  
FERRULE: .130 [3.3] HEX CRIMP TOOL

**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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TITLE

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 = ± 0.02 [51]	ANGLES ± 1°	12 [305] < L ≤ 60 [1524]	= +2 [51] / -0
.XXX = ± 0.005 [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	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	3FKR5	AKRESOWSK	FMCN45848	A

T-Rev.D