

20KV Female Bulkhead Connector Crimp/ Solder Attachment for RG213 Cable



FMCN45843

Configuration

- 20KV Female Connector
- MIL-STD-202
- Straight Body Geometry
- Connector Interface Types: RG213
- Bulkhead

Features

- Gold over nickel over copper Plated Beryllium Copper Contact
- IP67
- High Density PE Insulator

Applications

- General Purpose Test
- Rack and Panel Mount Applications
- Custom Cable Assemblies
- High Voltage Pulsed RF Transmission

Description

The Fairview Microwave FMCN45843 is designed for high voltage applications and is rated to 20KV. This 20KV female bulkhead connector utilizes crimp/solder attachment for the contact. Our 20KV female bulkhead IP67 mated coax connector from Fairview Microwave has an interface type of RG213.

The Fairview Microwave 20KV female bulkhead coaxial connector has a PE (HD) dielectric type. This Fairview Microwave 20KV coax cable connector has a brass body with nickel over copper plating. Our 20KV female bulkhead connector uses beryllium copper contact with gold over nickel over copper plating material. This 20KV female bulkhead |coax RF connector is RoHS and REACH compliant, you can find this 20KV female coax connector datasheet specifications above.

Fairview Microwave standard straight female 20KV female bulkhead connector will ship the same day. Our bulkhead 20KV standard straight 20KV female high voltage connector is part of over one million RF, microwave, and millimeter wave components in stock and ready for same-day shipment worldwide. We also build custom standard cable assemblies that will ship quickly from our location.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Operating Voltage (DC)			20,000	Vdc
Test Voltage (DC)			30,000	Vdc
Inner Conductor DC Resistance			3	mOhms
Outer Conductor DC Resistance			2	mOhms
Insulation Resistance	1,000			MOhms

Mechanical Specifications

Size

Length	3.48 in [88.39 mm]
Width	0.93 in [23.62 mm]
Height	0.93 in [23.62 mm]
Weight	0.2 lbs [90.72 g]

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Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold over nickel over copper
Contact Spring		Nickel over Copper
Insulation	PE (HD)	
Body	Brass	Nickel Over Copper
Coupling Nut	Brass	Nickel Over Copper
Gasket	Silicone	
Crimp Sleeve	Brass	Nickel over Copper
Washer	Brass	Nickel over Copper

Environmental Specifications

Temperature

Operating Range

-55 to +85 deg C

Ingress Protection (IP) Rating

IP67

Salt Spray

MIL-STD-202, Method 101, Condiiton B

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

Plotted and Other Data

Notes:

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Assembly Instruction

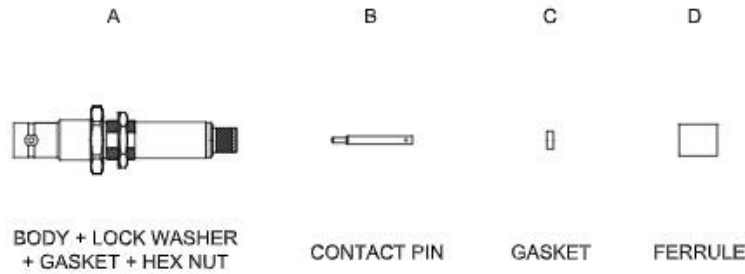

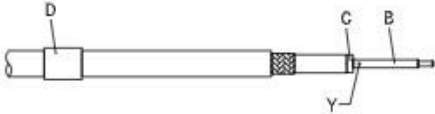
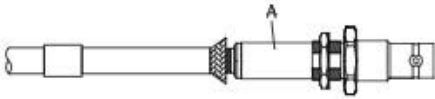
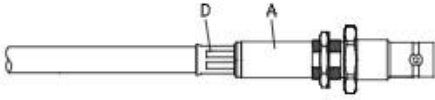


DIAGRAM	ASSEMBLY INSTRUCTION
	Step 1: STRIP AS SHOWN.
	Step 2: SLIDE FERRULE "D" OVER CABLE. Step 3: PUT GASKET "C" AND PIN "B" ON CENTER CONDUCTOR AND SOLDER IN "Y".
	Step 4: LOOSEN BRAIDING AND SLIDE CONNECTOR "A" IN PLACE.
	Step 5: SLIDE FERRULE "D" TOWARDS THE CONNECTOR "A" AND CRIMP. (USE 10.7mm/0.421inch HEX SECTION OF INSERT-C)

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20KV Female Bulkhead Connector Crimp/Solder Attachment for RG213 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: [20KV Female Bulkhead Connector Crimp/Solder Attachment for RG213 Cable FMCN45843](https://www.fairviewmicrowave.com/20kv-female-rg213-connector-fmcn45843-p.aspx)

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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.

FMCN45843 CAD Drawing

20KV Female Bulkhead Connector Crimp/Solder Attachment for RG213 Cable

