

## 10KV Male Connector Crimp/Solder Attachment for RG58 Cable

The Fairview Microwave FMCN45836 is designed for high voltage applications and is rated to 10KV. This 10KV male connector utilizes crimp/solder attachment for the contact. Our 10KV male coax connector from Fairview Microwave has an interface type of RG58.

The Fairview Microwave 10KV male coaxial connector has a PE (HD) dielectric type. This Fairview Microwave 10KV coax cable connector has a brass body with nickel over copper plating. Our 10KV male connector uses beryllium copper contact with gold over nickel over copper plating material. This 10KV male coax RF connector is RoHS and REACH compliant, you can find this 10KV male coax connector datasheet specifications above.

Fairview Microwave standard straight male 10KV connector will ship the same day. Our 10KV standard straight male 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.



### Configuration:

- 10KV Male Connector
- MIL-STD-202
- Straight Body Geometry
- RG58 Interface Type
- Crimp/Solder Attachment

### Features:

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

### Applications:

- General Purpose Test
- Custom Cable Assemblies
- High Voltage Pulsed RF Transmission

### Electrical Specifications

Description	Min	Typ	Max	Units
Operating Voltage (DC)			10,000	Vdc
Test Voltage (DC)			15,000	Vdc
Inner Cond. DC Resistance			3	mOhms
Outer Cond. DC Resistance			2	mOhms
Insulation Resistance	1,000			MOhms

### Mechanical Specifications

<b>Size</b>	
Length	2.5 in [63.5 mm]
Width/Dia.	0.57 in [14.48 mm]
Height	0.57 in [14.48 mm]
Weight	0.016 lbs [7.26 g]

### Material Specifications

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

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**Environmental Specifications**

**Temperature**

Operating Range  
Salt Spray

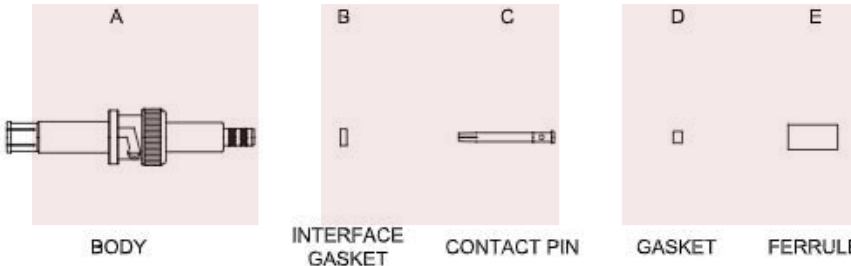

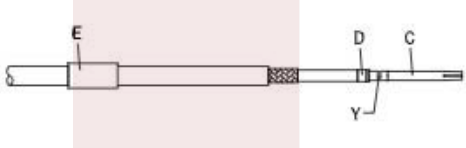
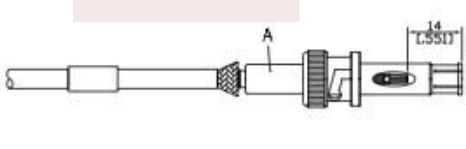
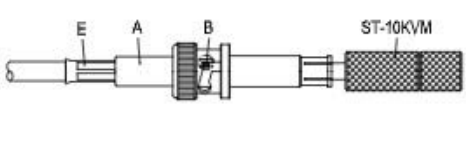
-55 to +85 deg C  
MIL-STD-202, Method 101, Condiiton B

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

**Plotted and Other Data**

Notes:

**Assembly Instruction**

	
DIAGRAM	ASSEMBLY INSTRUCTION
	<p>Step 1: STRIP AS SHOWN.</p>
	<p>Step 2: SLIDE FERRULE "E" OVER CABLE. Step 3: PUT GASKET "D" AND PIN "C" ON CENTER CONDUCTOR AND SOLDER IN "Y".</p> <p>※ GASKET MUST BE UNDER COMPRESSION AFTER SOLDERING IS COMPLETED.</p>
	<p>Step 4: LOOSEN BRAIDING AND SLIDE CONNECTOR "A" IN PLACE.</p>
	<p>STEP 5: SLIDE FERRULE "E" TOWARDS THE CONNECTOR "A" AND CRIMP. (USE 5.5MM/0.217INCH HEX SECTION OF INSERT-B) STEP 6: USE LOCATOR TOOL "ST-10KVM" TO INSTALL INTERFACE GASKET "B" OVER CONTACT PIN.</p>

10KV Male Connector Crimp/Solder Attachment for RG58 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.

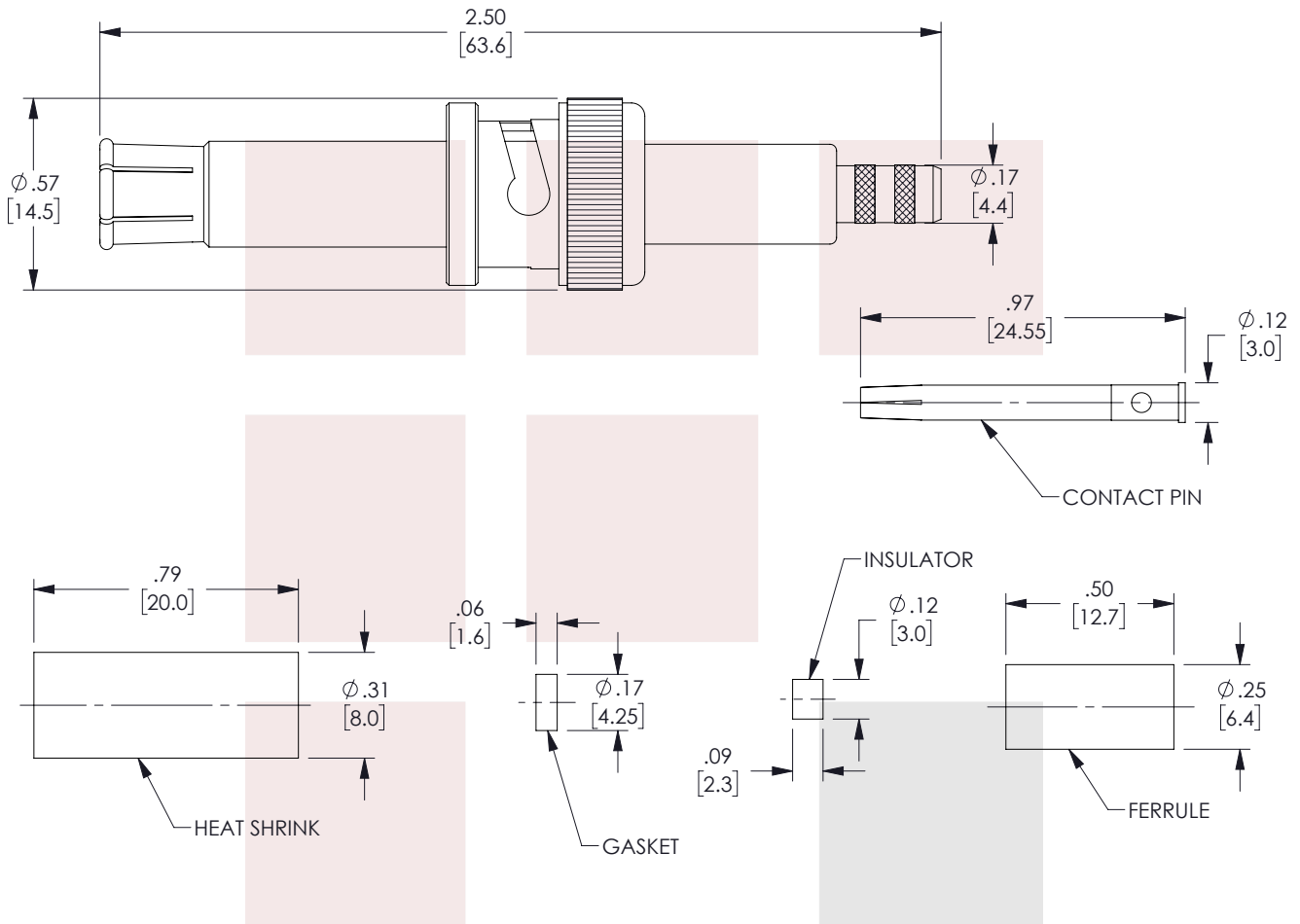
For additional information on this product, please click the following link: [10KV Male Connector Crimp/Solder Attachment for RG58 Cable FMCN45836](#)

URL: <https://www.fairviewmicrowave.com/10KV-male-rg58-connector-fmcn45836-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	09/15/2022	VJIWATODE



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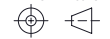
TITLE  
10KV Male Connector Crimp/Solder Attachment for RG58 Cable

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 = ±.02 [.51]	ANGLES ± 1°	12 [305] < L ≤ 60 [1524] = +2 [51] / -0
.XXX = ±.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 A	CAGE CODE 3FKR5	DRAWN BY DMAY	ITEM NO. FMCN45836	REV A
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T-Rev.D