



## RF Connectors Technical Data Sheet

ET11667

## Configuration

- SSMC Jack Connector
- 50 Ohms
- Right Angle Body Geometry

- Connector Interface Types: ET-RG178, ET-RG196
- Bulkhead

### Features

- Max. Operating Frequency 12.4 GHz
- Good VSWR of 1.57:1
- Gold Plated Beryllium Copper Contact
- Contact plating according to MIL-G-45204
- Reliable threaded coupling

- Small SSMC connector form factor (50% smaller than SMA, radially)
- IEC 60169-20 SSMC connector interface
- In stock and ready to ship

## Applications

- General Purpose Test
- Rack and Panel Mount Applications
- Custom Cable Assemblies
- Avionics

- A/D Modules
- Data Acquisition
- Software defined radio (SDR)
- RADAR/SONAR

- Ultra Wideband Digital Receivers
- Medical equipment

### Description

Ebeestock's ET11667 SSMC jack right angle bulkhead connector with crimp/solder attachment for ET-RG178 and ET-RG196 is part of our full line of RF components available for same-day shipping. Our SSMC jack connector operates up to a maximum frequency of 12.4 GHz and offers good VSWR of 1.57:1. Its right angle body geometry allows for easier connections in tight spaces. This SSMC bulkhead connector allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

Our SSMC jack right angle bulkhead connector ET11667 datasheet specifications and drawing with dimensions are shown below in this PDF. Ebeestock's broad catalog of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. Whether the need is to provide an I/O for a board design, or simply create a custom cable assembly configuration, Ebeestock has the right connector for the job. Ebeestock can also expertly build your custom cable assemblies for you and ship same-day.

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		12.4	GHz
VSWR			1.57:1	
Insertion Loss			0.3	dB
Operating Voltage (AC)			250	Vrms
High Potential Voltage			400	Vrms
5 MHz				
Inner Conductor DC Resistance			4	mOhms
Outer Conductor DC Resistance			1	mOhms

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SSMC Jack Right Angle Bulkhead Mount Connector Crimp/Solder Attachment for ET-RG178, ET-RG196 ET11667

8th Floor, Building 1, Yongfu Science and Technology Center Industrial Park, Nanzha District 5, Humen,523900, Dongguan, Guangdong, China.





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Insulation Resistance	1,000	MOhms
RF Leakage	-50	dB

### Mechanical Specifications

Size

 Length
 0.57 in [14.48 mm]

 Width/Dia.
 0.156 in [3.96 mm]

 Height
 0.33 in [8.38 mm]

Mating Cycles 500 Cycles

1.75 to 2 in-lbs [0.20 to 0.23 Nm]

### Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold MIL-G-45204
Insulation	Teflon	
Outer Conductor	Beryllium Copper	Gold MIL-G-45204
Body	Brass	Gold MIL-G-45204
Crimp Sleeve	Brass	Gold MIL-G-45204
Washer	Phosphor Bronze	Gold MIL-G-45204

## **Environmental Specifications**

Temperature

Operating Range -65 to +165 deg C

Shock Method 213, Condition B, 75G @6ms @1/2 sine

Vibration Method 204, Condition D (20G)

Salt Spray Method 101, Condition B, 5% salt solution

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

### Plotted and Other Data

Notes:

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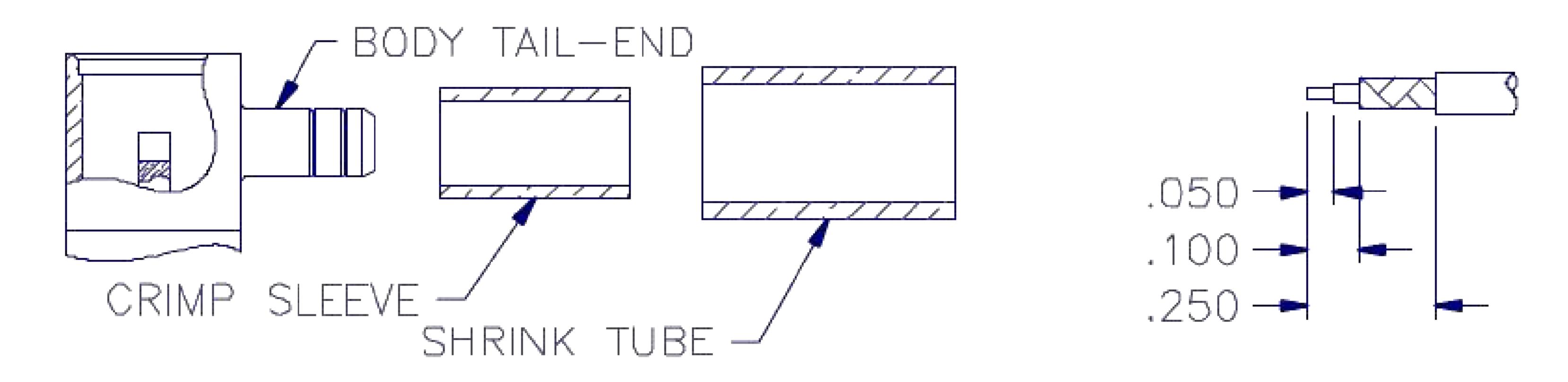


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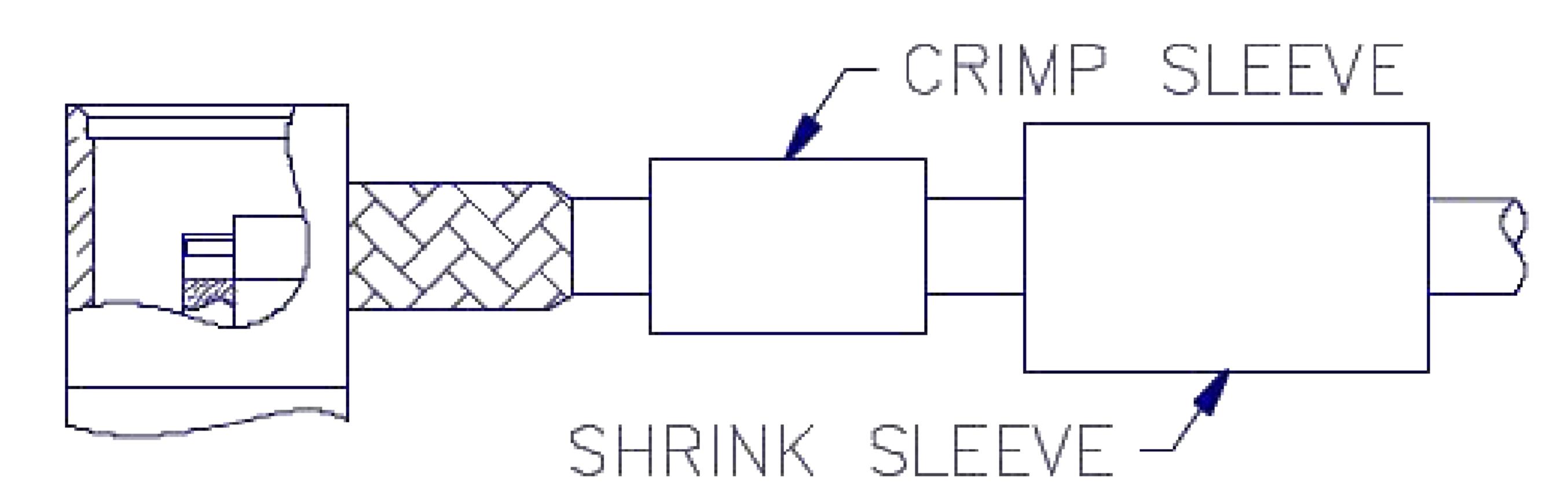
ET11667

#### **Assembly Instruction**

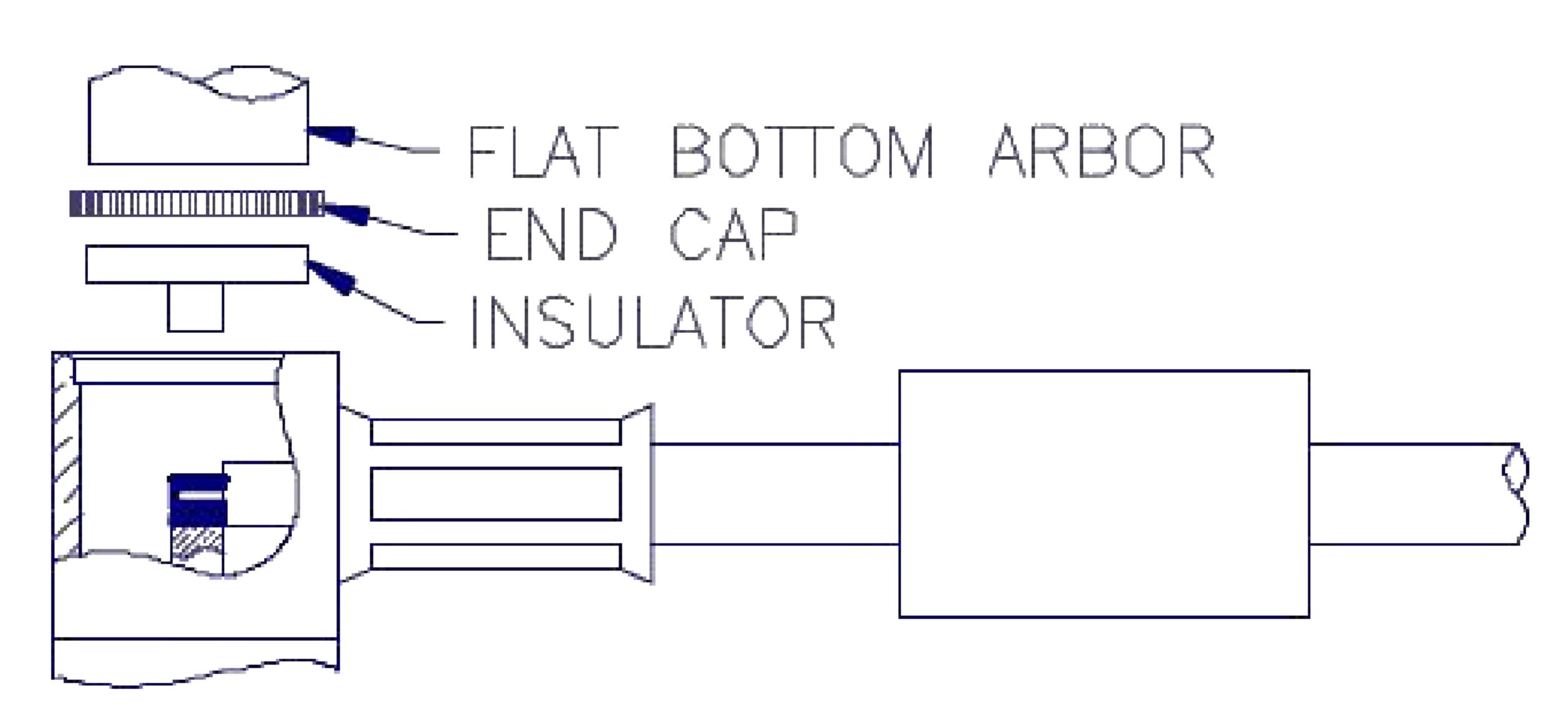
### Assembly Instructions



- 1. TRIM CABLE AS SHOWN ABOVE. TIN END OF CENTER CONDUCTOR.
- 2. SLIDE CRIMP SLEEVE AND SHRINK TUB(IF (SEI PRUFED)) OVER CABLE JACKET.
- 3. FLARE CABLE BRAID OUT SLIGHTLY BY ROTATING DIELECTRIC.



- 4. INSERT CABLE ASSEMBLY INTO BODY TAIL-END MAKING SURE TAIL GOES OVER DIELECTRIC AND UNDER BRAID. SLIDE IN UNTIL BRAID TOUCHES REAR SURFACE OF BODY.
- 5. SLIDE CRIMP SLEEVE FORWARD AND USE .105 HEX DIE TO CRIMP SLEEVE TO BRAID.



- 6. SOLDER CENTER CONDUCTOR OF CABLE TO CONTACT.
- 7. PLACE INSULATOR AND END CAP INTO CONNECTOR BODY AS SHOWN AND USE A .185" DIAMETER FLAT BOTTOM PUNCH TO PRESS CAP IN PLACE. CAP MUST BE BELOW SURFACE TO SEAT PROPERLY.
- 8. SLIDE SHRINK TUBE (IF SUPPLIED) OVER CRIMP SLEEVE AND SHRINK TO FIT.

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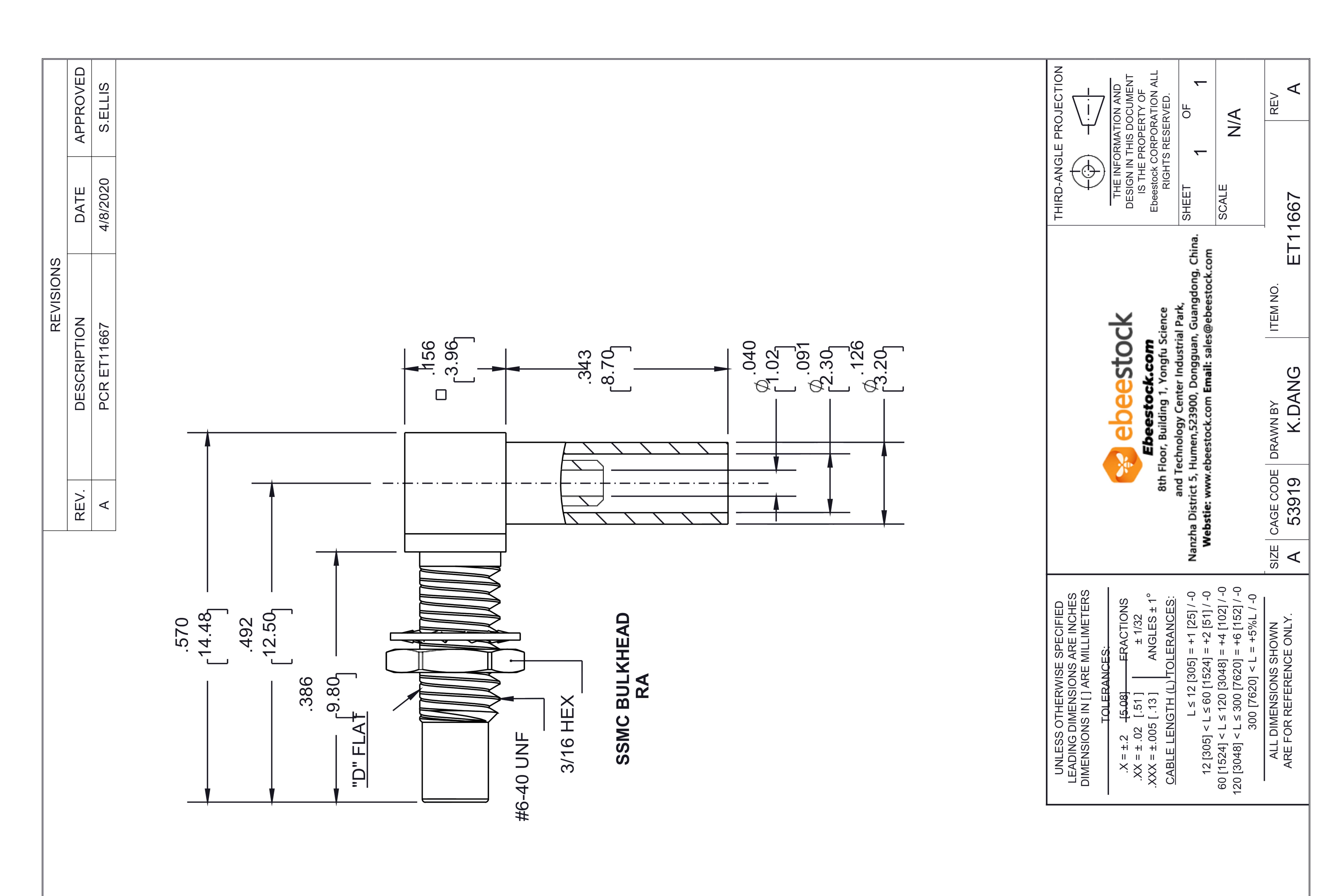
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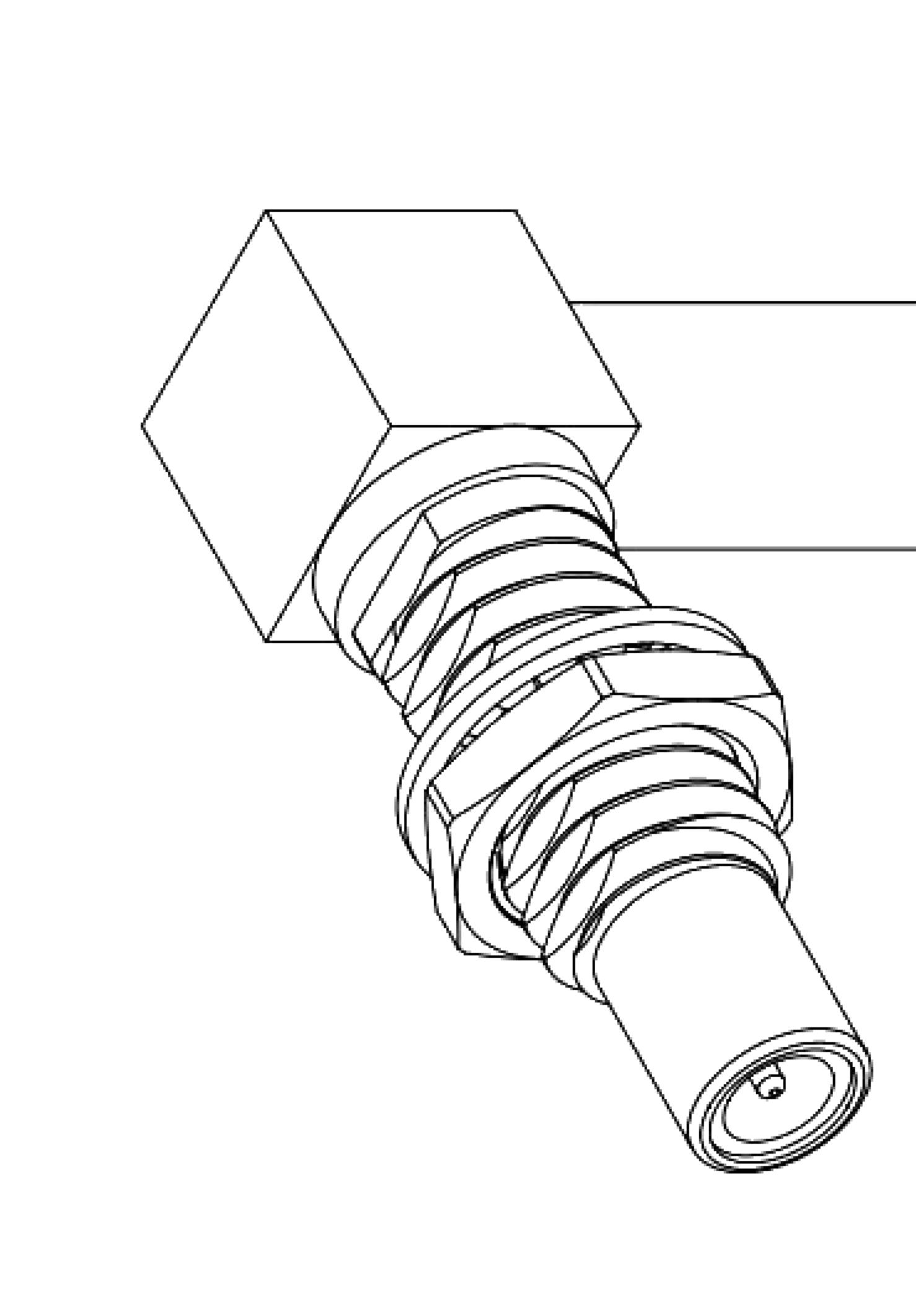
SSMC Jack Right Angle Bulkhead Mount Connector Crimp/Solder Attachment for ET-RG178, ET-RG196 from Ebeestock Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SSMC Jack Right Angle Bulkhead Mount Connector Crimp/Solder Attachment for ET-RG178, ET-RG196 ET11667

**URL:** https://www.ebeestock.com/ssmc-jack-right-angle-bulkhead-mount-connector-crimp-solder-atta chment-for-rg178-rg196-0011667

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