

SMA Female Connector Solder Attachment End Launch PCB, .030 inch Diameter



## RF Connectors Technical Data Sheet

ET11248

## Configuration

- SMA Female Connector
- MIL-C-39012
- 50 Ohms

- Straight Body Geometry
- End Launch Interface Type
- Solder Attachment

### Features

- Max. Operating Frequency 18 GHz
- Gold over Nickel Plated Beryllium Copper Contact
- 50 μin minimum contact plating

# Applications

General Purpose Test

PCB Applications

#### Description

Ebeestock's ET11248 SMA female connector with solder attachment for end launch PCB is part of our full line of RF components available for same-day shipping. Our SMA female connector operates up to a maximum frequency of 18 GHz.

Our SMA female connector ET11248 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		18	GHz
Operating Voltage (AC)			335	Vrms
Dielectric Withstanding Voltage (AC)			1,000	Vrms
High Potential Voltage at 4 and 7 MHz			670	Vrms
Corona Discharge at 70,000 feet			250	Vrms
Insulation Resistance	5,000			MOhms

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SMA Female Connector Solder Attachment End Launch PCB, .030 inch Diameter ET11248



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### Mechanical Specifications

Size

 Length
 0.687 in [17.45 mm]

 Width/Dia.
 0.375 in [9.53 mm]

 Height
 0.262 in [6.65 mm]

 Weight
 0.009 lbs [4.08 g]

 Mating Cycles
 500 Cycles

## Material Specifications

Description	Material	Plating	
Contact	Beryllium Copper	Gold over Nickel 50 µin minimum	
Insulation	PTFE		
Body	Brass	Brass Gold over Nickel 10 µin minimum	

#### **Environmental Specifications**

Temperature

Operating Range -65 to +165 deg C
Shock MIL-STD-202, Method 213, Condition I
Vibration MIL-STD-202, Method 204, Condition D
Thermal Shock MIL-STD-202, Method 107, Condition B
Salt Spray MIL-STD-202, Method 101, Condition B

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Compliance Certifications (see product page for current document)

#### Plotted and Other Data

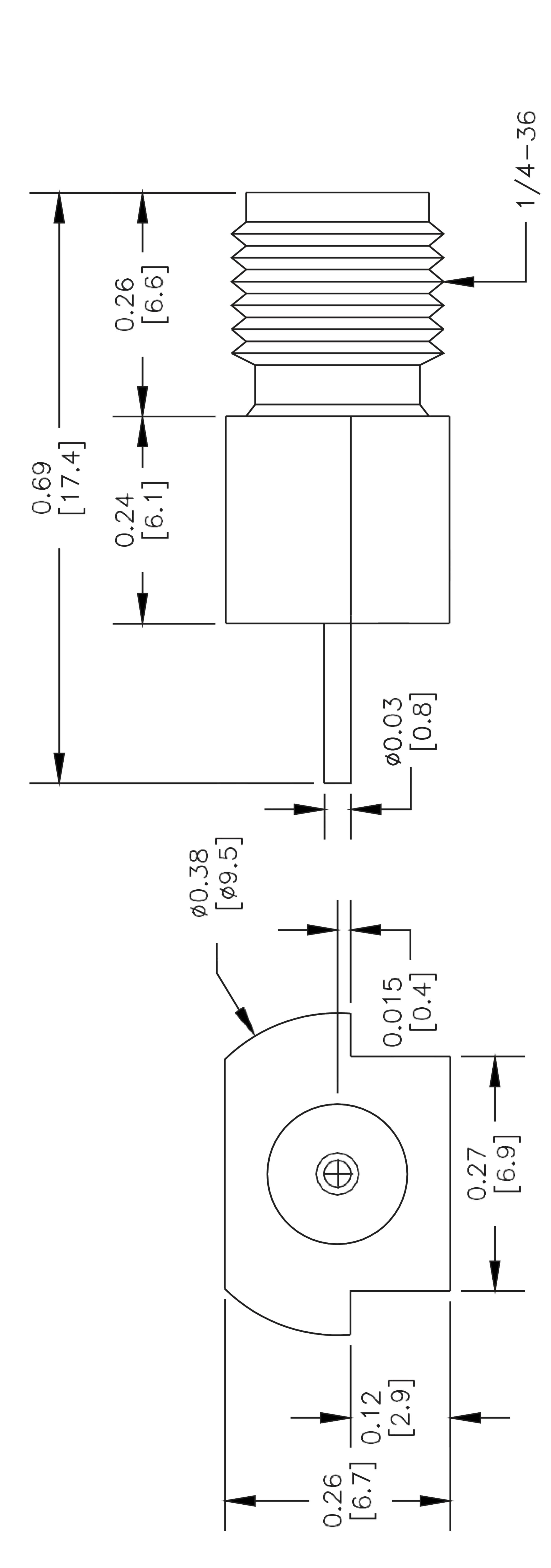
Notes:

SMA Female Connector Solder Attachment End Launch PCB, .030 inch Diameter from Ebeestock Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% 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: SMA Female Connector Solder Attachment End Launch PCB, .030 inch Diameter ET11248

**URL:** https://www.ebeestock.com/sma-female-connector-solder-attachment-end-launch-pcb-030-inch-d iameter-0011248

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. Ebeestock reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Ebeestock does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Ebeestock does not assume any liability arising out of the use of any part or documentation.



DWG TITLE

1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.

2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT AN 3. DIMENSIONS ARE IN INCHES [mm].

4. FITS MIL-C-17 AND EQUIVALENT CABLES.

FSCM NO. 53919

CAD FILE 070202

SCALE N/A

SIZE A

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