

QN Male Right Angle Low PIM Connector Solder Attachment for ET38338, ET38337, ET38337J, ET38334, ET-RG402, IP68



# RF Connectors Technical Data Sheet

ET11076

# Configuration

- QN Male Connector
- 50 Ohms
- Right Angle Body Geometry
- ET38338, ET38337, ET38335, ET-

### Features

- Max. Operating Frequency 11 GHz
- PIM levels lower than -160 dBc

- SR402TN, ET-RG402 Interface Type
- Solder/Solder Attachment

Gold Plated Brass Contact

• IP68 0.3 bar (interface only)

Low PIM Design

# Applications

- General Purpose Test
- Wireless Communications
- Custom Cable Assemblies
- Low PIM Applications

# Description

Ebeestock's ET11076 QN male right angle low PIM connector with solder/solder attachment for ET38338, ET38337, ET38335, ET38334 and ET-RG402 is part of our full line of RF components available for same-day shipping. Our QN male connector operates up to a maximum frequency of 11 GHz. The QN male connector also has low passive intermodulation of -160 dBc. Its right angle body geometry allows for easier connections in tight spaces. The connector has an IP68 rating to protect against dust and prolonged moisture protection under immersion conditions.

Our QN male right angle connector ET11076 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      |         | 11      | GHz   |
| Passive Intermodulation using 2x20W tones |         |         | -160    | dBc   |
| Operating Voltage (AC)                    |         |         | 1,000   | Vrms  |
| Test Voltage (AC)                         |         |         | 2,500   | Vrms  |
| Inner Conductor DC Resistance             |         |         | 1.5     | mOhms |
| Outer Conductor DC Resistance             |         |         | 1.5     | mOhms |
| 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: QN Male Right Angle Low PIM Connector Solder Attachment for ET38338, ET38337, ET38335, ET38334, ET-RG402, IP68 ET11076

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



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#### Performance by Frequency

| Description     | F1        | F2       | F3     | F4 | F5 | Units |
|-----------------|-----------|----------|--------|----|----|-------|
| Frequency Range | DC to 2.5 | 2.5 to 4 | 4 to 6 |    |    | GHz   |
| VSWR, Max       | 1.06:1    | 1.09:1   | 1.12:1 |    |    |       |

Electrical Specification Notes:

RF leakage: 90 dB (up to 3 GHz) min. Insertion loss = 0.05 x sqrt(fGHz) dB max.

# Mechanical Specifications

Size

 Length
 1.039 in [26.39 mm]

 Width/Dia.
 0.75 in [19.05 mm]

 Weight
 0.052 lbs [23.59 g]

Mating Cycles 100 Cycles

#### Material Specifications

| Description     | Material | Plating                |
|-----------------|----------|------------------------|
| Contact         | Brass    | Gold                   |
| Insulation      | PTFE     |                        |
| Outer Conductor | Brass    | Tri-Metal              |
| Body            | Brass    | Silver<br>3 µm minimum |

# Environmental Specifications

Temperature

Operating Range -40 to +125 deg C

Ingress Protection (IP) Rating
Humidity
IP68 0.3 bar (interface only)
MIL-STD-202, Method 106

Shock
MIL-STD-202, Method 213, Condition I
Wibration
MIL-STD-202, Method 204, Condition A
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

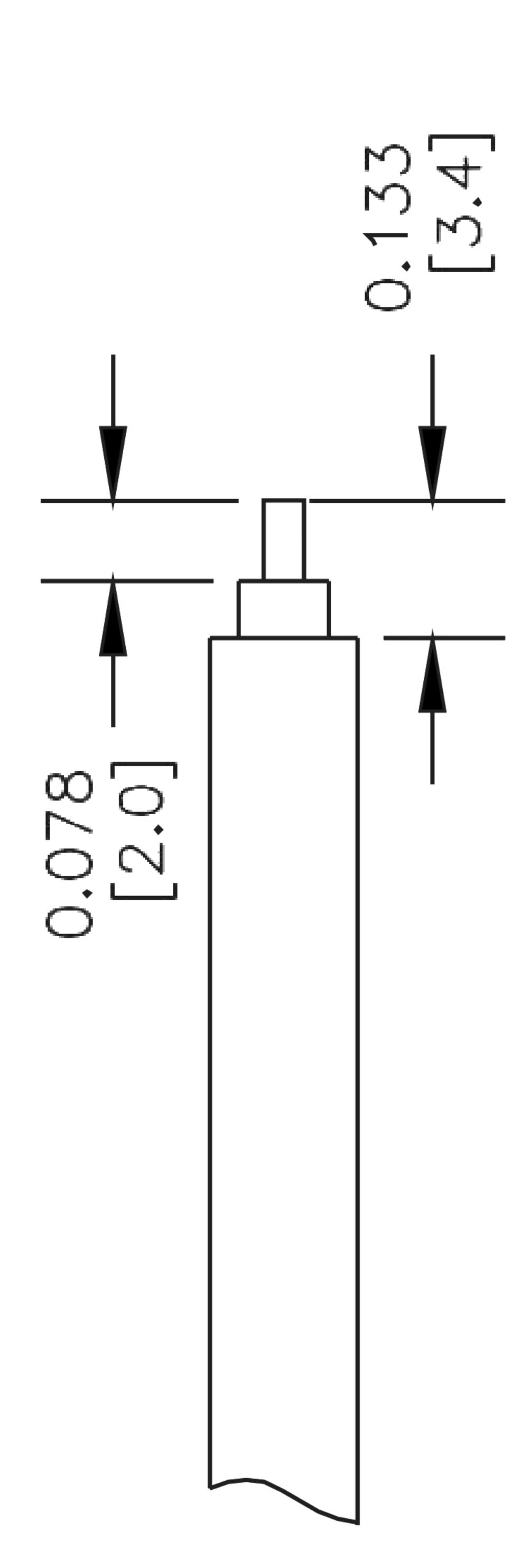
Notes:

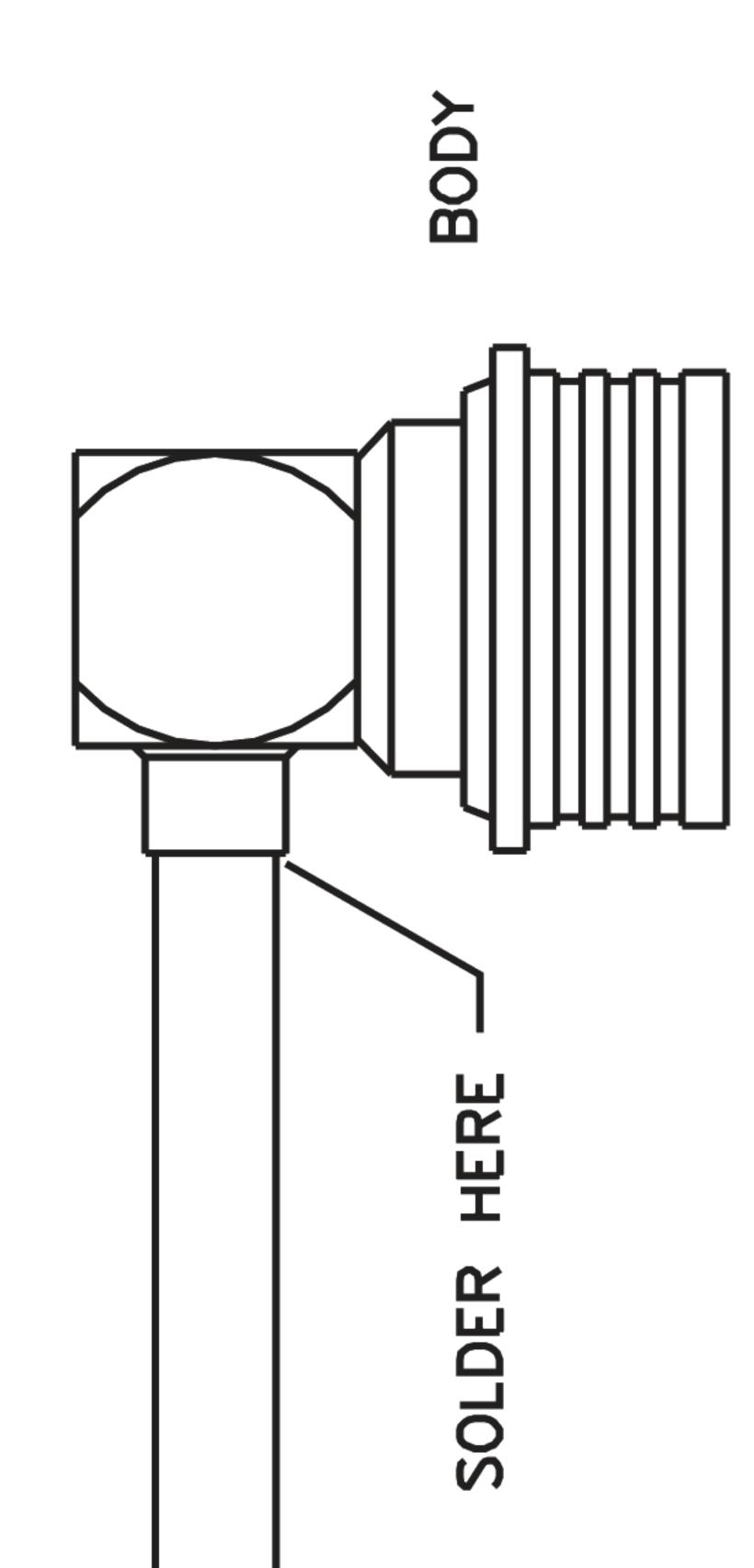
QN Male Right Angle Low PIM Connector Solder Attachment for ET38338, ET38337, ET38335, ET38334, ET-RG402, IP68 from Ebeestock Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

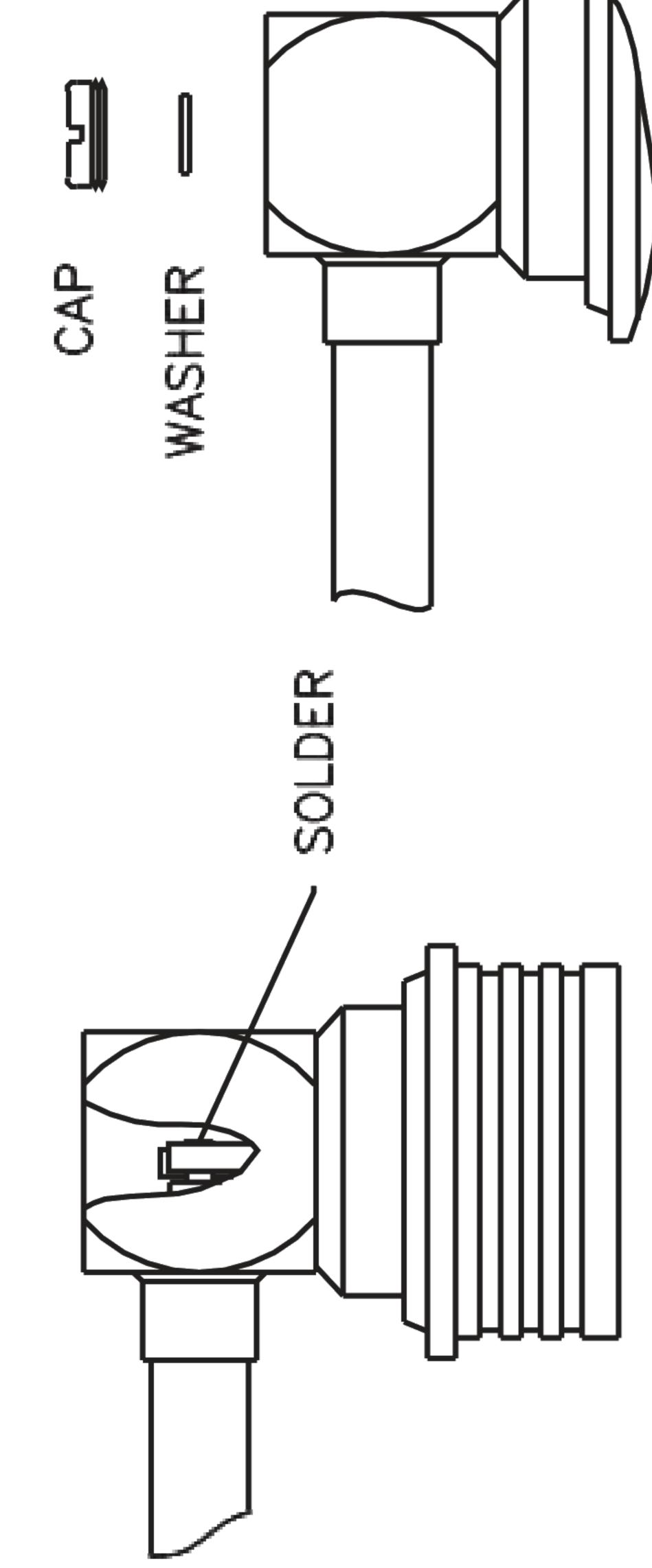
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: QN Male Right Angle Low PIM Connector Solder Attachment for ET38338, ET38337, ET-SR402FLJ, ET38334, ET-RG402, IP68 ET11076

**URL:** https://www.ebeestock.com/qn-male-right-angle-low-pim-connector-solder-attachment-for-pe-sr402al-pe-sr402fl-pe-sr402flj-pe-sr402tn-rg402-ip68-0011076

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.







|              | 0.5             |       |
|--------------|-----------------|-------|
| 0.748 [19.0] |                 | 0.436 |
|              | 1.039<br>[26.4] |       |