# BMA Socket Size 8 D38999 Contact for 0.085 Cable, 18 GHz Max Frequency



## PEMACTRF8S01

### Configuration

- Push-on BMA Socket Connector
- 50 Ohms
- Connector Interface Types: D38999 Series I, D38999 Series III, D38999 Series IV, 0.085 Cable, RG405 Cable, M17/133-RG405 Cable
- Contact Size: 8

### Features

- Fits any MIL-DTL-38999 size 8 insert
- Superior high frequency performance
- Blindmate connections
- Made from high quality materials giving a robust mechanical design
- Solderless inner connection to reduce assembly cost

### Applications

- Civilian and Military Aerospace
- High Reliability Installations
- Harsh Environments

### Description

The PEMACTRF8S01 from Pasternack is a size 8 BMA socket contact that is designed for D38999 Series I, D38999 Series III, and D38999 Series IV military type connector shells. This RF coaxial contact has a solder/non-solder contact attachment method and is built to offer superior performance in demanding applications that require high-frequency data transmission. The BMA coax contact comes with an impedance of 50 Ohms and a maximum VSWR of 1.35.

Our RF contact has a maximum frequency of 18 GHz. This BMA RF contact is made up of stainless steel material with passivated plating. The PEMACTRF8S01 coax contact has a PTFE dielectric type and a dielectric withstanding voltage of 1000 Vrms. Our BMA socket contact has a maximum insertion loss of 0.339 dB.

Pasternack's RF contact has an inner conductor and outer conductor made of beryllium copper. These RF coax contacts are specifically engineered to minimize signal loss and crosstalk, providing excellent impedance matching and reducing VSWR. Our BMA socket contact can operate at temperatures ranging from -65 to 165 degrees C.

PEMACTRF8S01 RF contact is part of more than one million RF, microwave, and millimeter wave parts in stock at Pasternack. This PEMACTRF8S01 coax contact is ready to buy and can be shipped worldwide the same business day as ordered from our warehouse in the United States. Pasternack maintains BMA socket RF contacts in various sizes and configurations, which allows them to be customized to meet the specific requirements of different applications. For further information on similar products, our expert technical support and trained sales team can get you the ideal RF contact as per your requirements.

### Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|---|---|---|---|---|
| Frequency Range | DC | | 18 | GHz |
| VSWR | | | 1.35:1 | |
| Insertion Loss | | | 0.339 | |
| Operating Voltage (AC) | | | 500 | Vrms |
| Dielectric Withstanding Voltage (AC) | | | 1,000 | Vrms |
| Insulation Resistance | 5,000 | | | MOhms |


© 2025 Infinite Electronics, Inc. Pasternack is a registered trademark of Infinite Electronics, Inc.
+1 (866) 558-2786 | sales@pasternack.com | pasternack.com

# BMA Socket Size 8 D38999 Contact for 0.085 Cable, 18 GHz Max Frequency



## PEMACTRF8S01

### Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|---|---|---|---|---|
| Impedance | | 50 | | Ohms |

### Installation

| Description | Specification |
|---|---|
| Insertion Tool | No tool required |
| Extraction Tool | M81969/14-06 |

### Mechanical Specifications

| | |
|---|---|
| Insertion Force | 1.5lbs [680.39g] |
| Extraction Force | 3lbs [1.36kg] |
| Mating Cycles | 1,000 Cycles |
| **Size** | |
| Length | 1.045 in [26.54 mm] |
| Width | 0.314 in [7.98 mm] |
| Height | 0.314 in [7.98 mm] |
| Weight | 0.01 lbs [4.54 g] |

### Material Specifications

| Description | Material | Plating |
|---|---|---|
| Contact | Beryllium Copper | Gold |
| Insulation | PTFE | |
| Outer Conductor | Beryllium Copper | Gold |
| Body | Stainless Steel | Passivated |

### 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 |
| Salt Spray | MIL-STD-202, Method 101, Test Condition B, Solution 5% |

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

### Plotted and Other Data

Notes:


© 2025 Infinite Electronics, Inc. Pasternack is a registered trademark of Infinite Electronics, Inc.
+1 (866) 558-2786 | sales@pasternack.com | pasternack.com

# BMA Socket Size 8 D38999 Contact for 0.085 Cable, 18 GHz Max Frequency



## PEMACTRF8S01

BMA Socket Size 8 D38999 Contact for 0.085 Cable, 18 GHz Max Frequency from Pasternack 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: BMA Socket Size 8 D38999 Contact for 0.085 Cable, 18 GHz Max Frequency PEMACTRF8S01

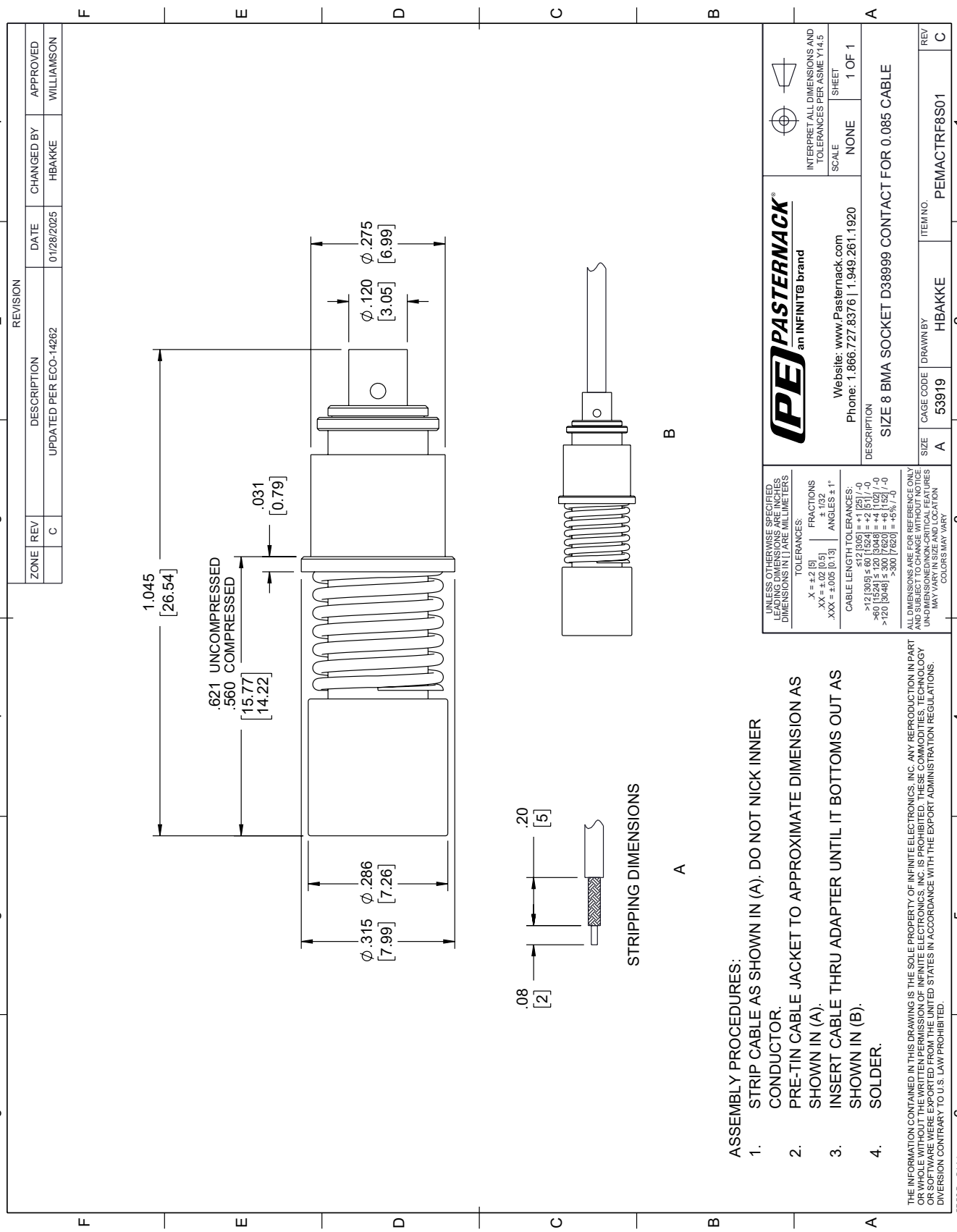
URL: https://www.pasternack.com/bma-socket-size-8-d38999-contact-for-0.085-cable-18-ghz-max-frequency-pemactrf8s01-p.aspx

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


© 2025 Infinite Electronics, Inc. Pasternack is a registered trademark of Infinite Electronics, Inc.

# PEMACTRF8S01 CAD Drawing

BMA Socket Size 8 D38999 Contact for 0.085 Cable, 18 GHz Max Frequency






© 2025 Infinite Electronics, Inc. Pasternack is a registered trademark of Infinite Electronics, Inc.