BMA Socket Size 8 D38999 Contact for 0.141 Cable, 18 GHz Max Frequency



PEMACTRF8S02

Configuration

- Push-on BMA Socket Connector
- 50 Ohms
- Connector Interface Types: D38999 Series I, D38999 Series III, D38999 Series IV, 0.141 Cable, RG402 Cable, M17/130-RG402 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 PEMACTRF8S02 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 PEMACTRF8S02 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 0.509 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 -55 to 125 degrees C.

PEMACTRF8S02 RF contact is part of more than one million RF, microwave, and millimeter wave parts in stock at Pasternack. This PEMACTRF8S02 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			0.509	
Operating Voltage (AC)			500	Vrms
Dielectric Withstanding Voltage (AC)			1,000	Vrms
Insulation Resistance	5,000			MOhms

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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	0.996 in [25.3 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	-55 to +125 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:

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BMA Socket Size 8 D38999 Contact for 0.141 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 0.141 Cable, 18 GHz Max Frequency PEMACTRF8S02

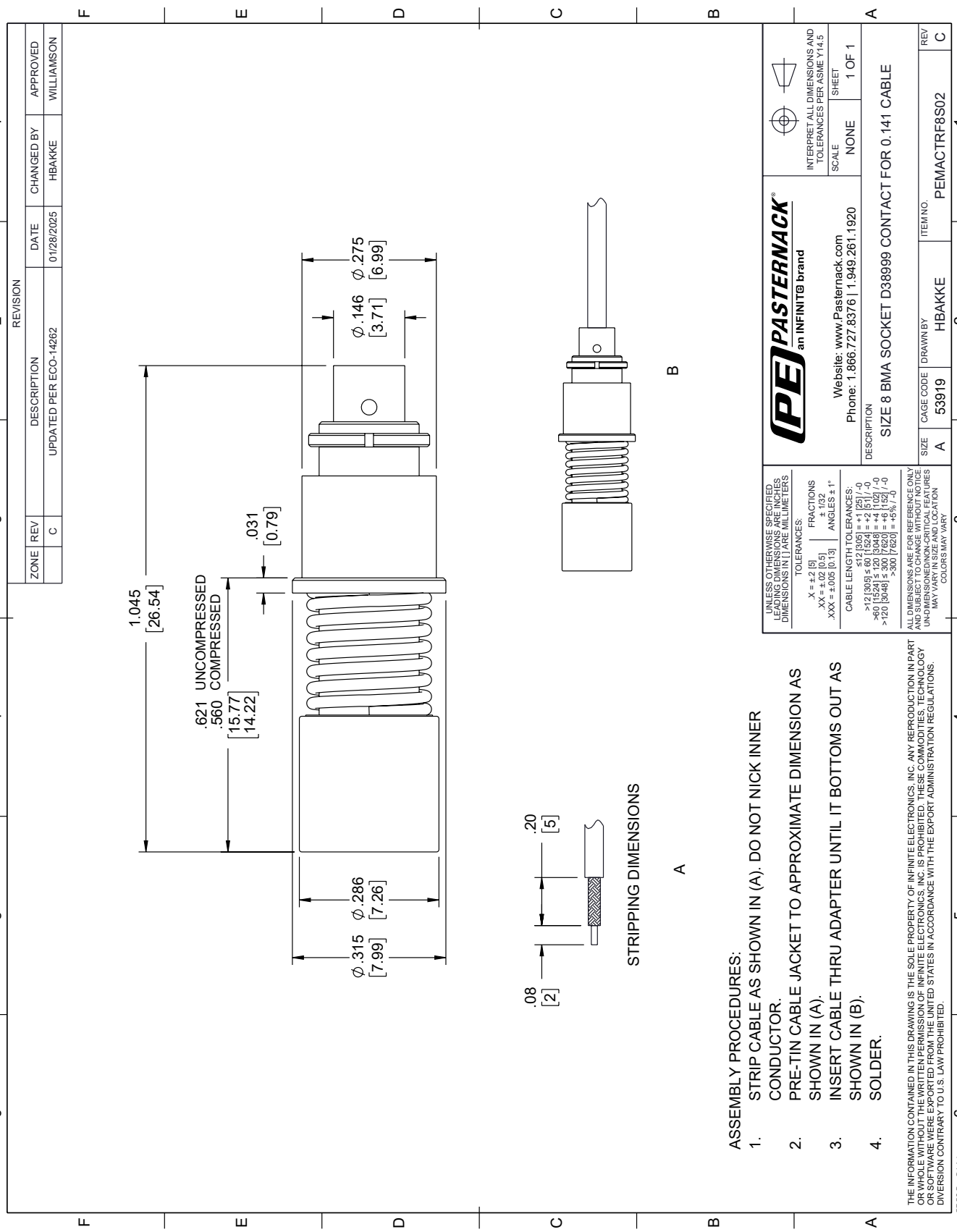
URL: https://www.pasternack.com/bma-socket-size-8-d38999-contact-for-0.141-cable-18-ghz-max-frequency-pemactrf8s02-p.aspx

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PEMACTRF8S02 CAD Drawing

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