SMPS Pin Size 16 D38999 Contact (M39029/77-428) for 0.047 Cable



PEMACTRF16P03

Configuration

- Push-on SMPS Pin Connector
- 50 Ohms
- Connector Interface Types: D38999 Series I, D38999 Series III, D38999 Series IV, 0.047 Cable, M17/151-00001 Cable
- Contact Size: 16

Features

- Fits any MIL-DTL-38999 size 16 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 PEMACTRF16P03 from Pasternack is a D38999 size 16 pin contact that is designed for 0.047 cable. 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 SMPS coax contact comes with an impedance of 50 Ohms and a maximum VSWR of 1.35.

Our RF contact has a maximum frequency of 65 GHz. This SMPS RF contact is made up of brass material. The PEMACTRF16P03 coax contact has a PTFE dielectric type and a dielectric withstanding voltage of 325 Vrms. Our SMPS pin contact has a maximum insertion loss of 0.645 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 SMPS pin contact can operate at temperatures ranging from -65 to 125 degrees C.

PEMACTRF16P03 RF contact is part of more than one million RF, microwave, and millimeter wave parts in stock at Pasternack. This PEMACTRF16P03 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 SMPS pin 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		65	GHz
VSWR			1.35:1	
Insertion Loss			0.645	dB
Operating Voltage (AC)			250	Vrms
Dielectric Withstanding Voltage (AC)			325	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	M81969/8-07 or M81969/14-03
Extraction Tool	M81969/8-08 or M81969/14-03

Mechanical Specifications

Insertion Force	1lbs [453.59g]
Extraction Force	1.2lbs [544.31g]
Mating Cycles	500 Cycles
Size	
Length	0.505 in [12.83 mm]
Width	0.128 in [3.25 mm]
Height	0.128 in [3.25 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	Brass	

Environmental Specifications

Temperature	
Operating Range	-65 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

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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SMPS Pin Size 16 D38999 Contact (M39029/77-428) for 0.047 Cable 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: SMPS Pin Size 16 D38999 Contact (M39029/77-428) for 0.047 Cable PEMACTRF16P03

URL: https://www.pasternack.com/smps-pin-size-16-d38999-contact-m39029-77-428-for-0.047-cable-pemactrf16p03-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.

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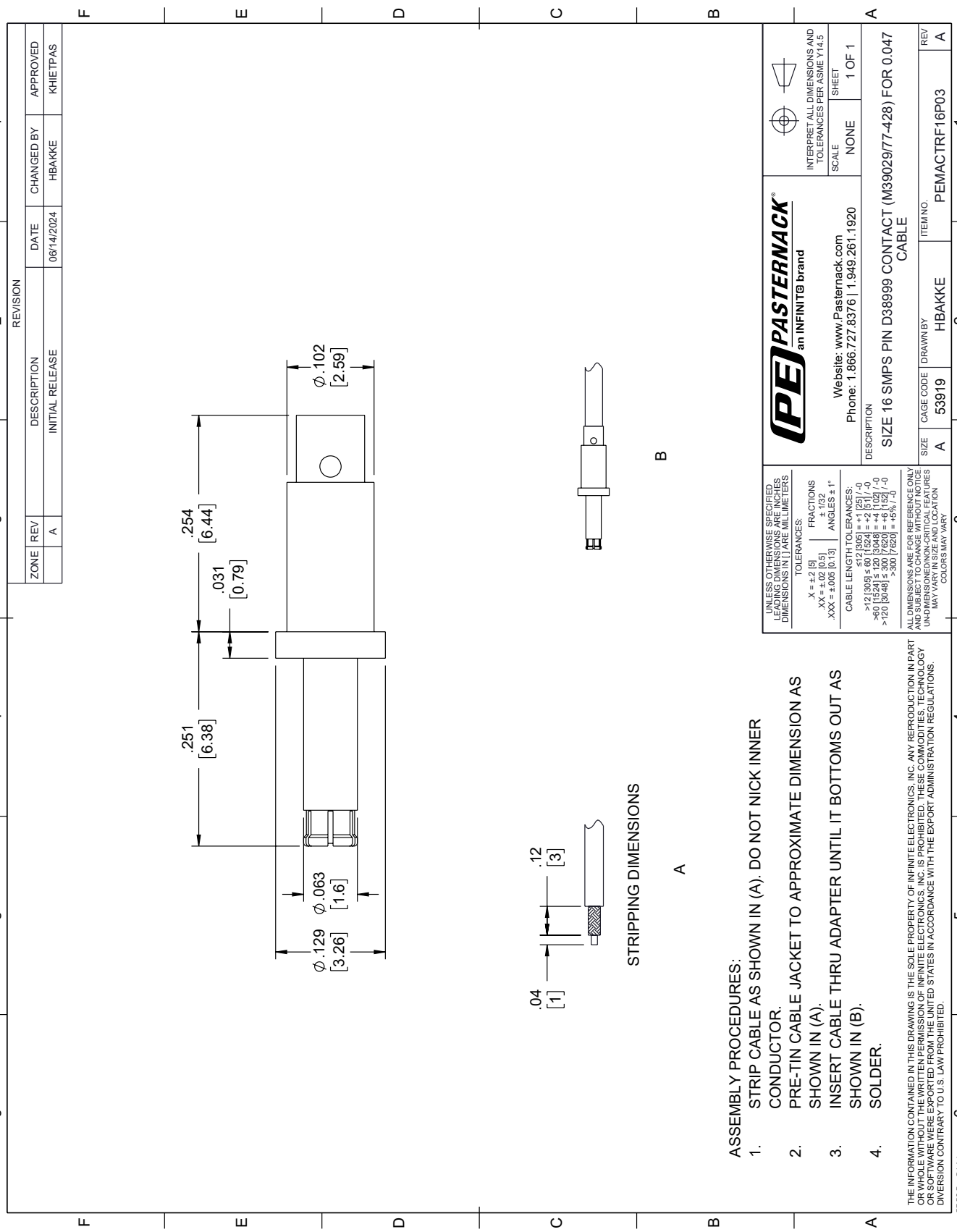
PEMACTRF16P03 CAD Drawing

SMPS Pin Size 16 D38999 Contact (M39029/77-428) for 0.047 Cable



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