SMPS Female VITA 67.3 Connector Solder Attachment for PE-P047, PE-P047HF, PE-P047LL, PE-P047FLX



PE49829

Configuration

- SMPS Female Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: PE-P047, PE-P047HF, PE-P047LL, PE-P047FLX, FM-SR047ALTN-COIL, FM-SR047CU-COIL, FM-SR047CUTN-COIL
- VITA 67 Design

Features

- Max. Operating Frequency 40 GHz
- Good VSWR of 1.4:1
- Gold Plated Beryllium Copper Contact

Applications

- General Purpose Test
- Custom Cable Assemblies
- VITA 67.3 Backplane
- High Density Applications

Description

Pasternack's PE49829 SMPS female VITA 67.3 connector with solder attachment for PE-P086, PE-P086HF, PE-P086LL, and PE-P086FLX is part of our full line of RF components available for same-day shipping. Our SMPS female VITA 67.3 connector operates up to a maximum frequency of 40 GHz and offers excellent VSWR of 1.4:1. The Pasternack blind mate connector is ideal for applications where direct visual or tactile access to the connection point is not possible, for example, when two circuit boards need to be mated.

Our SMPS female VITA 67.3 connector PE49829 datasheet specifications and drawing with dimensions are shown below in this PDF. Pasternack'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, Pasternack has the right connector for the job. Pasternack can also expertly build your custom cable assemblies for you and ship same-day.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		40	GHz
VSWR			1.4:1	
Impedance		50		Ohms

Mechanical Specifications

Size

Length	0.6 in [15.24 mm]
Width	0.13 in [3.3 mm]
Height	0.13 in [3.3 mm]
Weight	0.0009 lbs [0.41 g]

Material Specifications

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

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PE49829

Mechanical Specification Notes:
500 mating cycles when mated with a Smooth Bore connector (100 when mated to a Full Detent connector).

Environmental Specifications

Temperature	
Operating Range	-65 to +165 deg C
Humidity	MIL-STD-202, Method 106, Less Step 7B
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

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:
- PE49829 works with PE49831 SMPS VITA 67.3 12 Port Backplane Module D and PE49833 SMPS VITA 67.3 14 Port Backplane Module C

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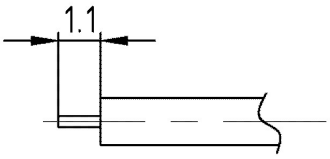
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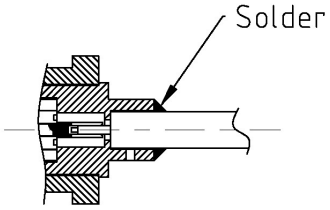
PE49829

Assembly Instruction

Cable Assembly Instructions



Trim insulator and outer conductor to dimensions shown.
Be careful not to nick the center conductor.
NOTE:
To minimize cable dielectric growth during soldering operation, normalize cable thermal cycle per MIL-DTL-17 prior to final trim.



Insert cable into body, until outer conductor flush with body.
Solder outer conductor to body.
NOTE:
For PE49817, PE49819 and PE49829

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SMPS Female VITA 67.3 Connector Solder Attachment for PE-P047, PE-P047HF, PE-P047LL, PE-P047FLX



PE49829

SMPS Female VITA 67.3 Connector Solder Attachment for PE-P047, PE-P047HF, PE-P047LL, PE-P047FLX 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.

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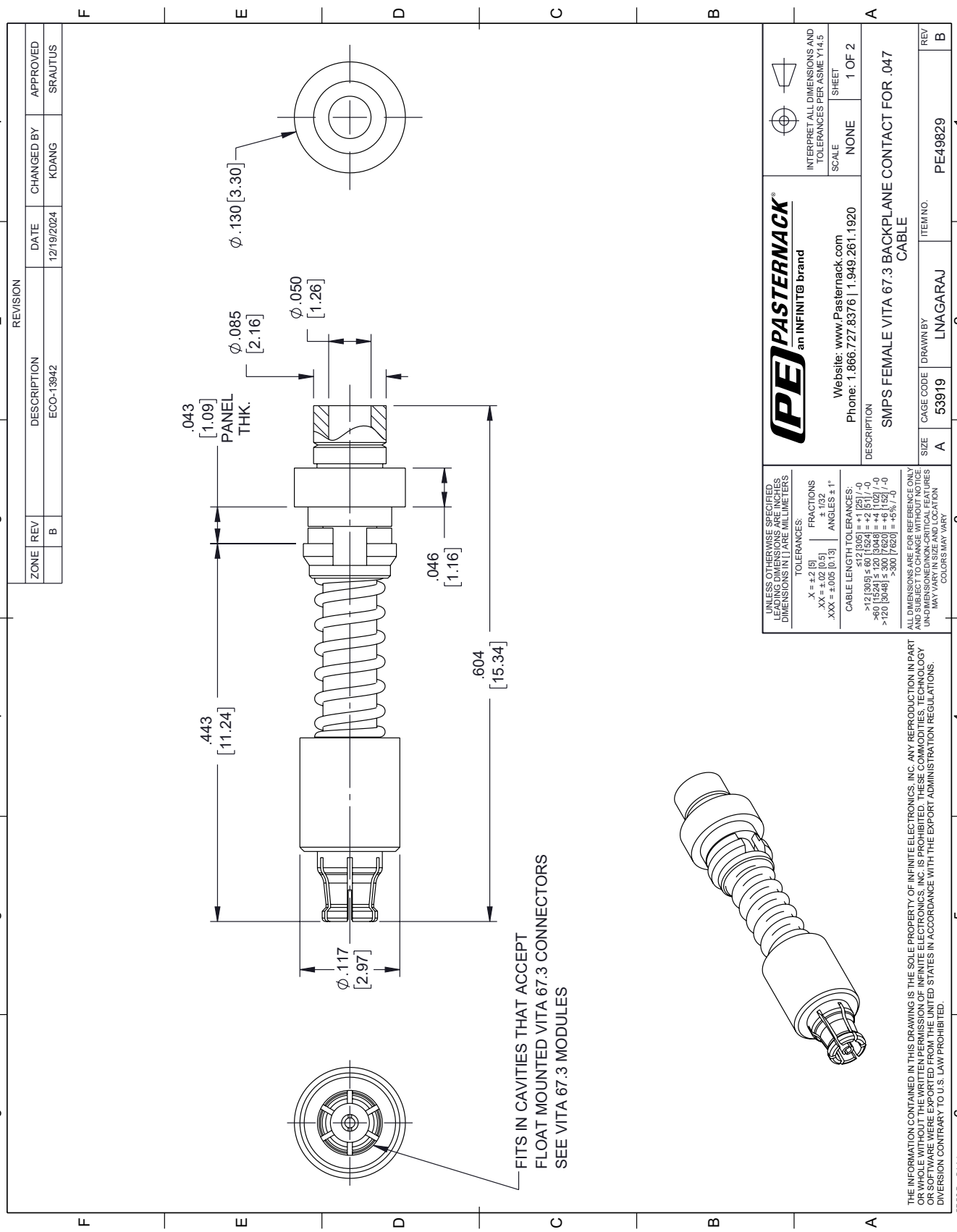
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PE49829 CAD Drawing

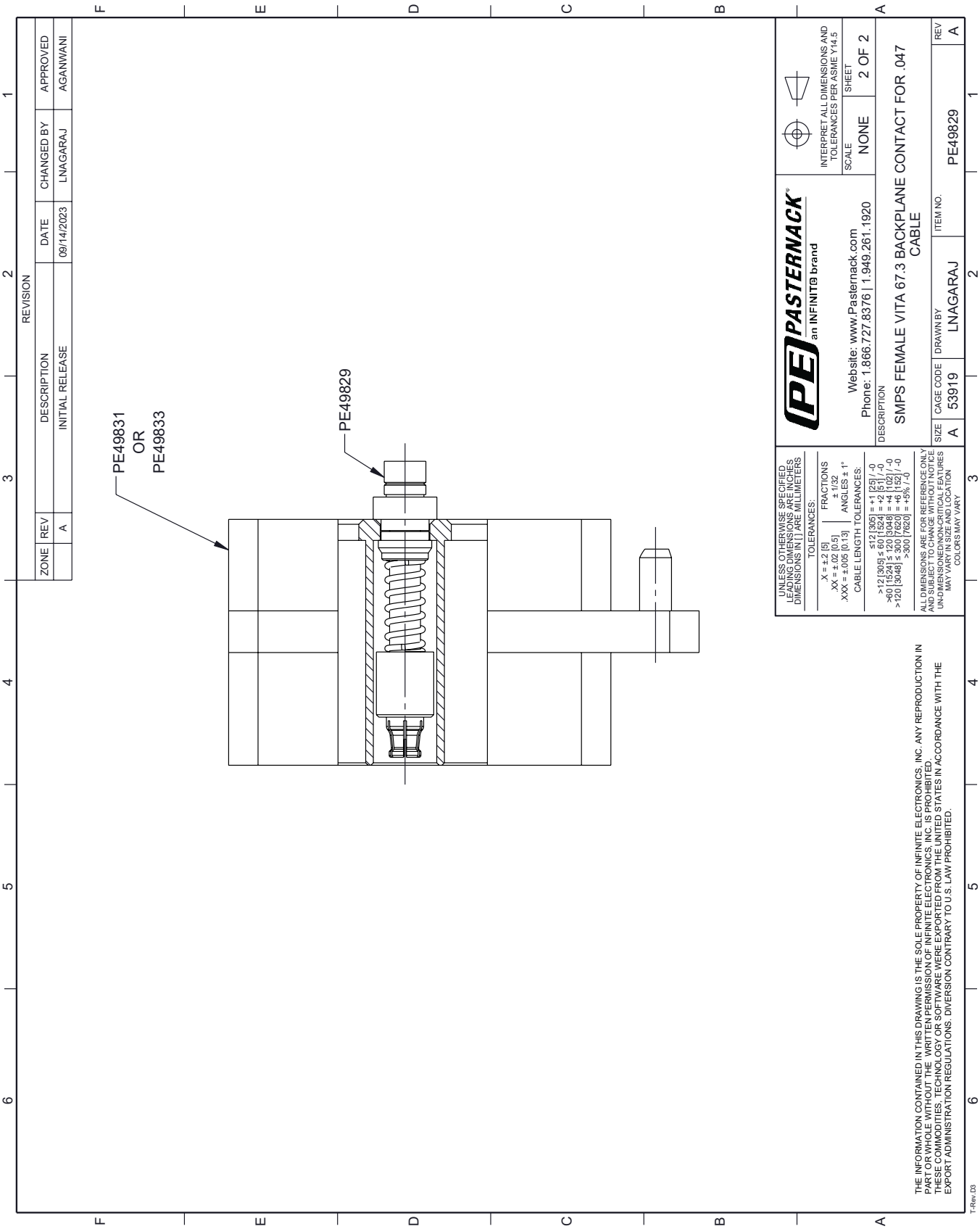
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PE49829

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Description	Minimum	Typical	Maximum	Units
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Impedance		50		Ohms

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PE49829

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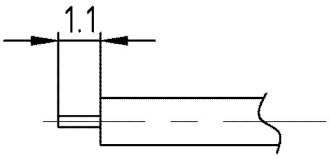
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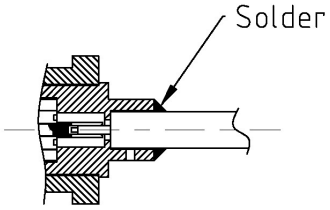
PE49829

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NOTE:
For PE49817, PE49819 and PE49829

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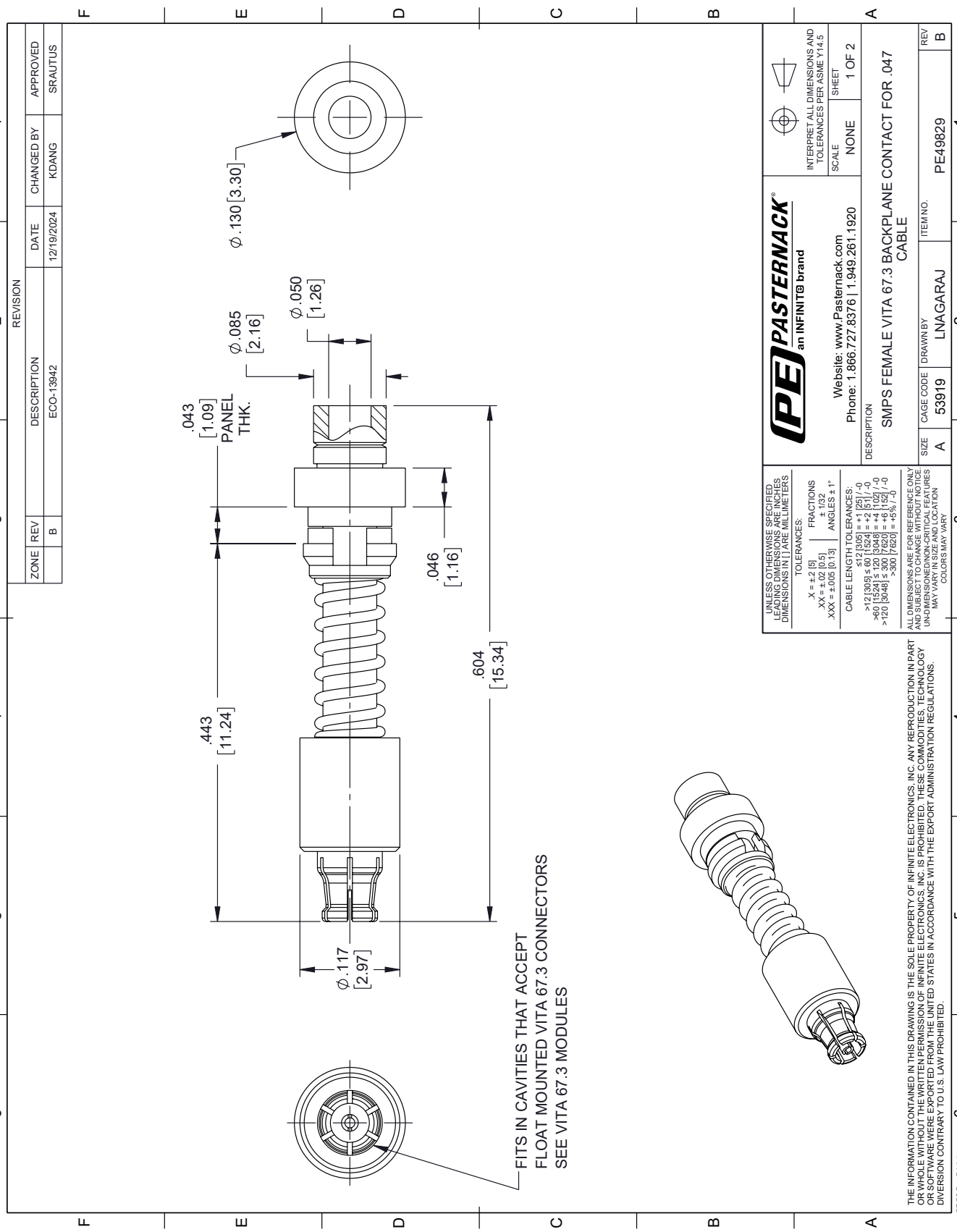
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PE49829 CAD Drawing

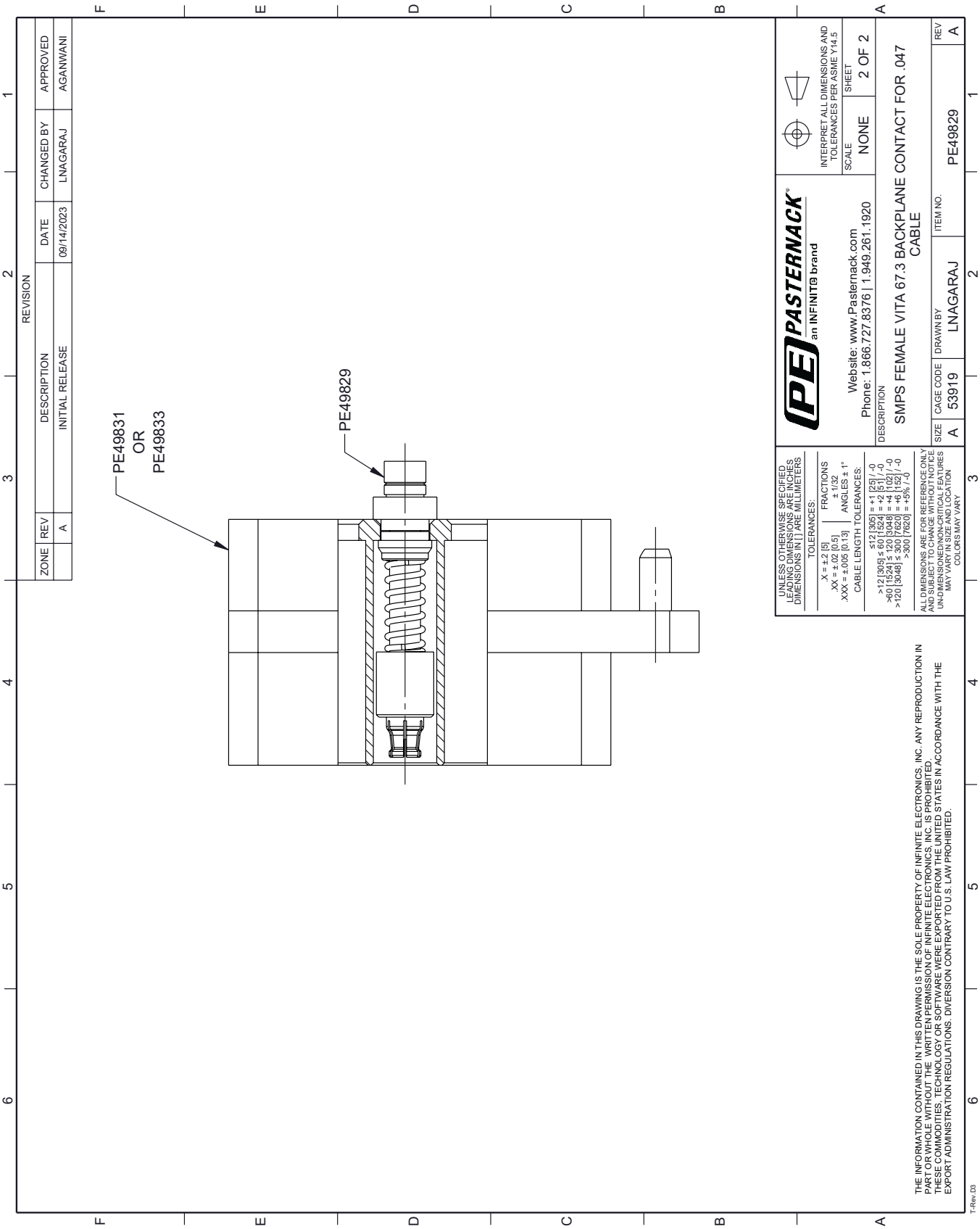
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PE49829 CAD Drawing

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047 Semi-rigid Coax Cable with Copper Outer Conductor

TECHNICAL DATA SHEET PE-047SR

Configuration

Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Shield Materials	Copper

Electrical Specifications

Impedance, Ohms	50
Maximum Operating Frequency, GHz	40
Dielectric Withstanding Voltage, Vrms	2,000

Electrical Specifications by Frequency

Frequency 1

Frequency, MHz	1000
Attenuation, dB/100ft [dB/100m]	40 [131.23]
Power Handling, Watts	32

Frequency 2

Frequency, GHz	10
Attenuation, dB/100ft [dB/100m]	130 [426.51]
Power Handling, Watts	9

Frequency 3

Frequency, GHz	20
Attenuation, dB/100ft [dB/100m]	190 [623.36]
Power Handling, Watts	6.5

Mechanical Specifications

Temperature

Operating Range, deg C	-55 to +100

Inner Conductor

Number of Strands	1
Material	Copper Clad Steel
Plating	Silver
Diameter, in [mm]	0.011 [0.28]

Dielectric:

Type	PTFE
Diameter, in [mm]	0.037 [0.94]

Shield:

Number of	1
Material 1	Copper
Diameter, in [mm]	0.047 [1.19]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 047 Semi-rigid Coax Cable with Copper Outer Conductor PE-047SR

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047 Semi-rigid Coax Cable with Copper Outer Conductor

TECHNICAL DATA SHEET PE-047SR

Jacket:

Diameter, in [mm]	0.047 [1.19]
One Time Minimum Bend Radius, in [mm]	0.05 [1.27]
Weight, lbs/ft [Kg/m]	0.005 [0.01]

Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant	
REACH Compliant	12/19/2011

Plotted and Other Data

Notes:

- Values at +25 °C, sea level

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URL: http://www.pasternack.com/semirigid-0.047-50-ohm-coax-cable-copper-pe-047sr-p.aspx

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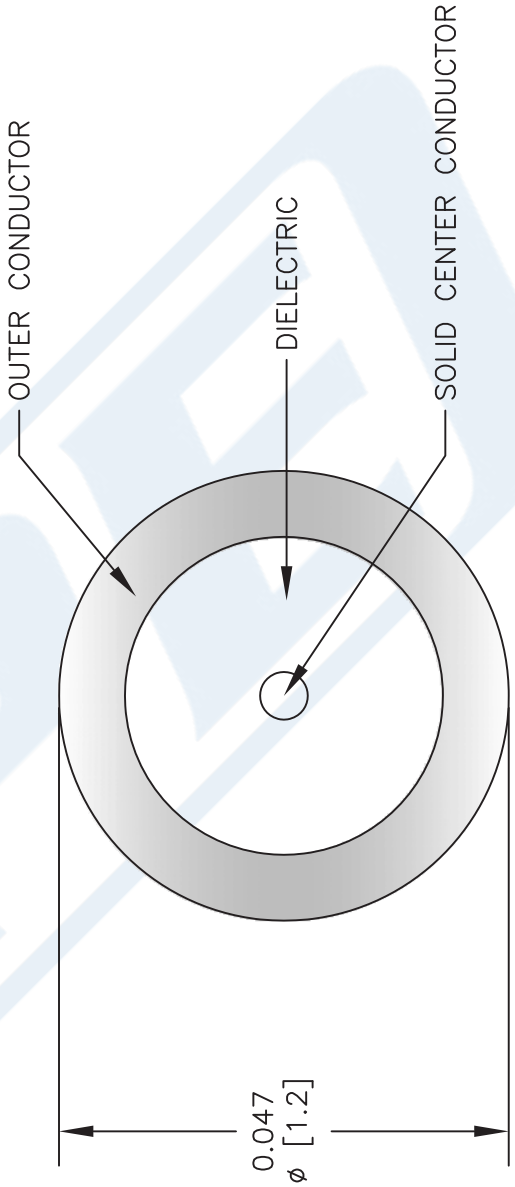
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PE-047SR CAD Drawing

047 Semi-rigid Coax Cable with Copper Outer Conductor





NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].

DWG TITLE **PE-047SR**

CAD FILE 073113 | SCALE N/A | SIZE A | 2233

FSCM NO. 53919

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