



Mini SMP (SMPM) VITA 67.3 10 Port Backplane Module C

RF Connectors Technical Data Sheet

PE49822

Configuration

- Mini SMP Connector
- 50 Ohms
- Straight Body Geometry
- VITA 67.3 Design

Features

- Blind Mate Connector
- Rugged Aluminum construction
- Accepts 0.047" and 0.086" cable contacts for end-to-end solution

Applications

- General Purpose Test
- VITA 67.3 Backplane
- High Density Applications
- Robust and rugged high speed cabled solution

Description

Pasternack's PE49822 10-position block housing is part of our full line of VITA 67.3 Backplane solutions and is available for same-day shipping. These blocks are machined for a rugged solution. The blocks are designed to accept both PE49817 (.047" cable contact) and PE49816 (.086" cable contact) in flexible or semi-rigid cables. These blocks are ideal for blind mating daughtercards to motherboards as the RF contacts provide +/- .010" radial misalignment tolerance and have excellent return loss up to 40 GHz.

The SMPM (Mini-SMP) 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 SMPM (Mini-SMP) block PE49822 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.

Impedance	50	Ohms
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Mechanical Specifications

Size	
Length	1.12 in [28.45 mm]
Width	0.96 in [24.38 mm]
Height	0.50 in [12.70 mm]
Weight	0.07 lbs [33.66 g]
Mating Cycles	500 Cycles

Material Specifications

Description	Material	Plating
Body	Aluminum	Chem Film

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Mini SMP \(SMPM\) VITA 67.3 10 Port Backplane Module C PE49822](#)



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Environmental Specifications

Temperature

Operating Range

-65 to +165 deg C

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

Plotted and Other Data

Notes:

Mini SMP (SMPM) VITA 67.3 10 Port Backplane Module C 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: [Mini SMP \(SMPM\) VITA 67.3 10 Port Backplane Module C PE49822](#)

URL: <https://www.pasternack.com/mini-smp-connector-pe49822-p.aspx>

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

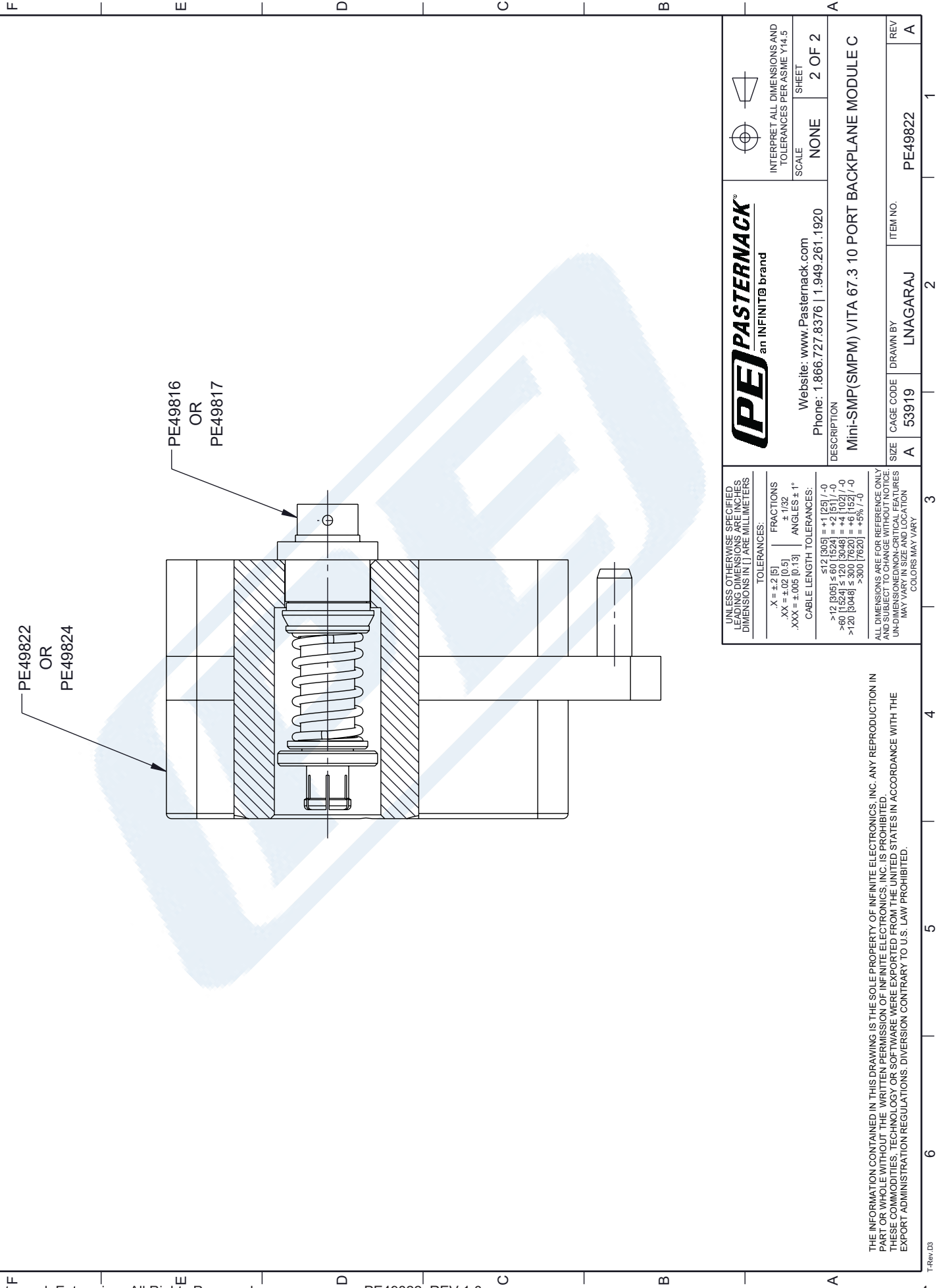
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PE49822 CAD Drawing

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UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE INCHES. DIMENSIONS IN [] ARE MILLIMETERS.	
TOLERANCES:	FRACTIONS
.X = ±.2 [5]	± 1/32
.XX = ±.02 [0.5]	± 1/64
.XXX = ±.005 [0.13]	ANGLES ± 1°
CABLE LENGTH TOLERANCES:	
<12 [305] = ±.1 [25] / -0	
>12 [305] ≤ 60 [1524] = ±.2 [51] / -0	
>60 [1524] ≤ 120 [3048] = ±.4 [102] / -0	
>120 [3048] ≤ 300 [7620] = ±.6 [152] / -0	
>300 [7620] = ±.5% / -0	
ALL DIMENSIONS ARE FOR REFERENCE ONLY. ALL DIMENSIONS ARE TO CENTER UNLESS OTHERWISE SPECIFIED. UNDIMENSIONED NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.	

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DESCRIPTION
Mini-SMP(SMPM) VITA 67.3 10 PORT BACKPLANE MODULE C

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE: NONE

SHEET: 2 OF 2

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	53919	LNAGARAJ	PE49822	A

ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	09/14/2023	LNAGARAJ	AGANWANI

REVISION