



SMPS VITA 67.3 12 Port Backplane Module D

RF Connectors Technical Data Sheet

PE49831

Configuration

- SMPS Connector
- 50 Ohms
- Straight Body Geometry
- VITA 67.3 Design

Features

- Rugged Aluminum construction
- Accepts 0.047" cable contact 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 PE49831 12-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 PE49829 (.047" 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 SMPS 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 block PE49831 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	0.96 in [24.38 mm]
Width	0.55 in [13.97 mm]
Height	0.50 in [12.70 mm]
Weight	0.03 lbs [14.33 g]
Mating Cycles	500 Cycles

Material Specifications

Description	Material	Plating
Body	Aluminum	Chem Film

Environmental Specifications

Temperature	
Operating Range	-65 to +165 deg C

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMPS VITA 67.3 12 Port Backplane Module D PE49831](#)



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

Plotted and Other Data

Notes:

SMPS VITA 67.3 12 Port Backplane Module D 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.

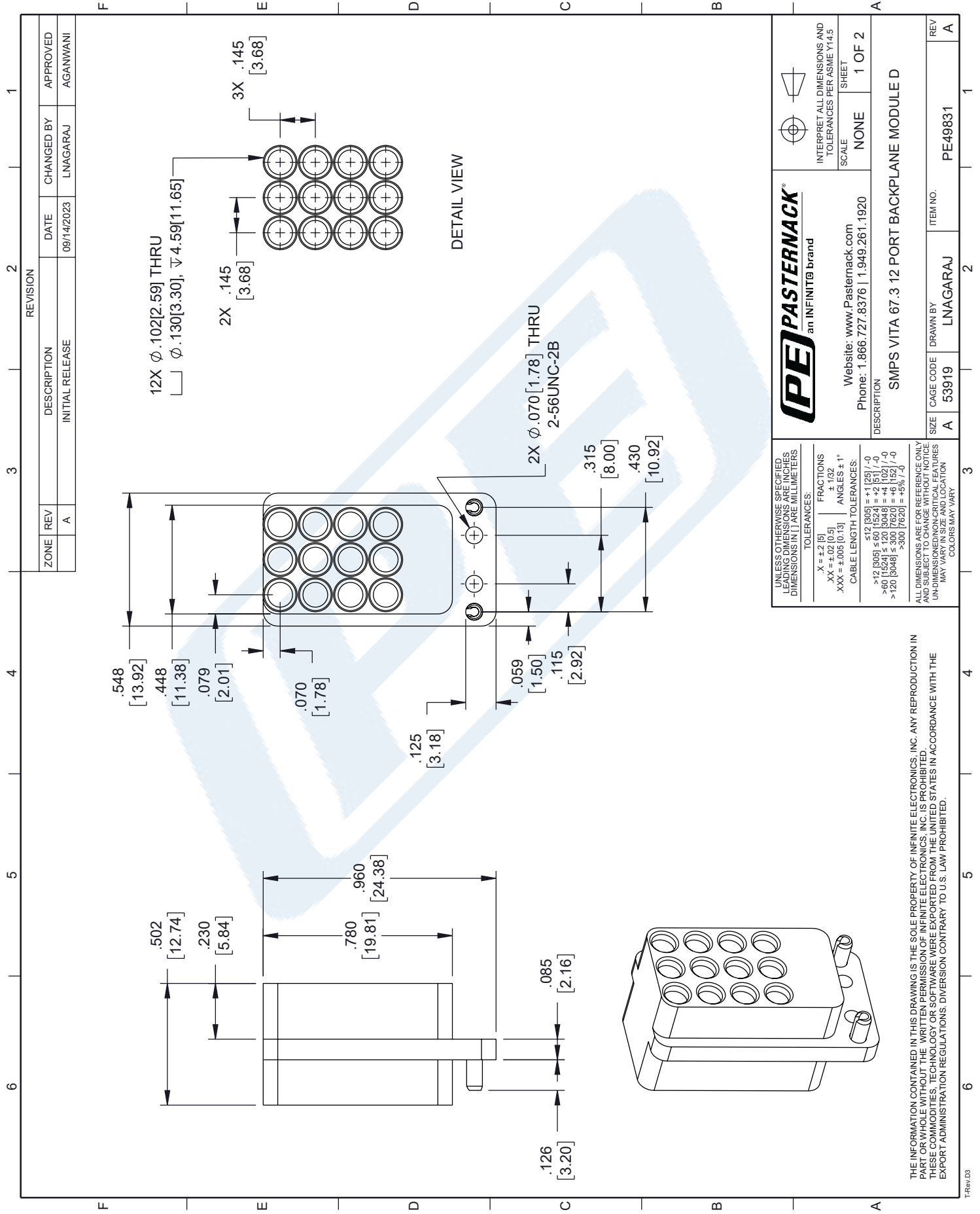
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMPS VITA 67.3 12 Port Backplane Module D PE49831](#)

URL: <https://www.pasternack.com/smps-connector-pe49831-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.

PE49831 CAD Drawing

SMPS VITA 67.3 12 Port Backplane Module D



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Technical drawing of a mechanical assembly, likely a connector or fastener. The drawing shows a cross-section of a cylindrical component with a central threaded hole. A callout line points to the top of the component, labeled "PE49831 OR PE49833". Another callout line points to the bottom of the component, labeled "PE49829". The drawing includes various dimensions and tolerances, such as "X = ±.2 [5]", "XX = ±.02 [0.5]", "XXX = ±.005 [0.13]", and "ANGLES ±.1°". It also includes a table of tolerances and a note about the information contained in the drawing.

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

UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:

X = ±.2 [5]	FRACTIONS
XX = ±.02 [0.5]	± 1/32
XXX = ±.005 [0.13]	ANGLES ±.1°

CABLE LENGTH TOLERANCES:

≤12 [305]	≤60 [1524]	≤120 [3048]	≤300 [7620]
±.125 [-0]	±.25 [-0]	±.4 [0.2]	±.75 [-0]

ALL DIMENSIONS ARE FOR REFERENCE ONLY
AND SUBJECT TO CHANGE WITHOUT NOTICE
UN-DIMENSIONED NON-CRITICAL FEATURES
MAY VARY IN SIZE AND LOCATION
COLORS MAY VARY

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Website: www.Pasternack.com
Phone: 1.866.727.8376 | 1.949.261.1920

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE: NONE

SHEET: 2 OF 2

SIZE: A

CAGE CODE: 53919

DRAWN BY: LNAGARAJ

ITEM NO.: PE49831

REV: A