



## SMPS Male PCB Solder-In Connector, Full Detent

### RF Connectors Technical Data Sheet

**PE45895**

#### Configuration

- Full Detent SMPS Male Connector
- 50 Ohms
- Straight Body Geometry

#### Features

- Max. Operating Frequency 65 GHz
- Gold Plated Beryllium Copper Contact
- 50  $\mu$ m minimum gold contact plating

#### Applications

- General Purpose Test
- PCB Applications

#### Description

Pasternack's PE45895, SMPS, Standard, connector with solder attachment for PCB is part of our full line of RF components available for same-day shipping. Our SMPS male connector operates up to a maximum frequency of 65 GHz.

Our SMPS male connector PE45895 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.

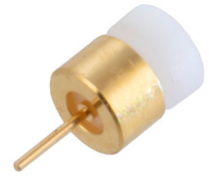
#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		65	GHz
Impedance		50		Ohms

#### Mechanical Specifications

Size	
Length	0.14 in [3.63 mm]
Width	0.09 in [2.29 mm]
Height	0.09 in [2.29 mm]
Weight	0.00 lbs [0.10 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMPS Male PCB Solder-In Connector, Full Detent PE45895](#)



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#### Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold 50 µin minimum gold
Body	Beryllium Copper	Gold 50 µin minimum gold

#### Environmental Specifications

##### Temperature

Operating Range

-55 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:

SMPS Male PCB Solder-In Connector, Full Detent 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.

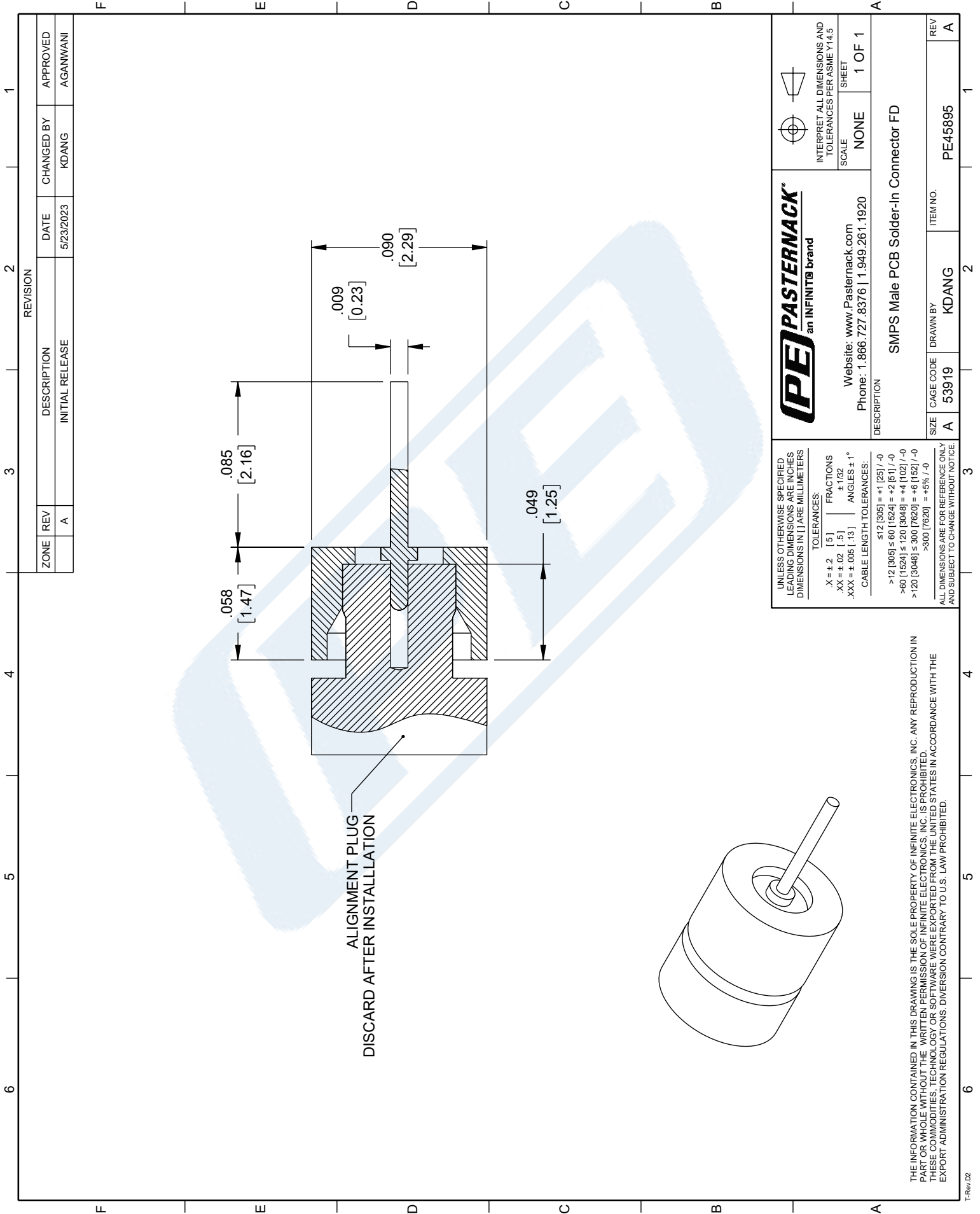
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URL: <https://www.pasternack.com/smps-male-full-detent-pcb-connector-pe45895-p.aspx>

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.

# PE45895 CAD Drawing

SMPS Male PCB Solder-In Connector, Full Detent



ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	5/23/2023	KDANG	AGANWANI

**PE PASTERNAK**  
an INFINITI® brand

Website: [www.Pasternack.com](http://www.Pasternack.com)  
Phone: 1.866.727.8376 | 1.949.261.1920

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5  
SCALE: NONE SHEET: 1 OF 1

DESCRIPTION: SMPS Male PCB Solder-In Connector FD

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	53919	KDANG	PE45895	A

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

TOLERANCES:  
 .X = ±.2 [5] | FRACTIONS ±.1/32  
 .XX = ±.02 [.5] | ANGLES ± 1°  
 .XXX = ±.005 [.13] | 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 AND SUBJECT TO CHANGE WITHOUT NOTICE

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