



2.4mm Female Field Replaceable Connector 2 Hole Flange Mount with EMI gasket, accepts 0.3mm (.012inch) pin

RF Connectors Technical Data Sheet

PE45745

Configuration

- 2.4mm Female Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: with EMI gasket, accepts 0.3mm (.012inch) pin
- 2 Hole Flange

Features

- Max. Operating Frequency 50 GHz
- Excellent VSWR of 1.2:1
- Gold Plated Beryllium Copper Contact

Applications

- General Purpose Test
- Rack and Panel Mount Applications

Description

Pasternack's PE45745 2.4mm female 2 hole flange mount field replaceable connector with EMI gasket is part of our full line of RF components available for same-day shipping. Our 2.4mm female connector operates up to a maximum frequency of 50 GHz and offers excellent VSWR of 1.2:1. This 2.4mm 2 hole flange connector allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications. This field replaceable connector is easy to install or replace in the field.

Our 2.4mm female 2 hole flange connector PE45745 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		50	GHz
VSWR			1.2:1	

Mechanical Specifications

Size	
Length	0.427 in [10.85 mm]
Width/Dia.	0.19 in [4.83 mm]
Height	0.55 in [13.97 mm]
Weight	0.1 lbs [45.36 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2.4mm Female Field Replaceable Connector 2 Hole Flange Mount with EMI gasket, accepts 0.3mm \(.012inch\) pin PE45745](#)



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Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold
Contact Spring	Passivated Stainless Steel	
Insulation	PEI	
Body	Passivated Stainless Steel	
Gasket	Silicone	

Environmental Specifications

Temperature

Operating Range -40 to +150 deg C

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

Plotted and Other Data

Notes:

2.4mm Female Field Replaceable Connector 2 Hole Flange Mount with EMI gasket, accepts 0.3mm (.012inch) pin 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: [2.4mm Female Field Replaceable Connector 2 Hole Flange Mount with EMI gasket, accepts 0.3mm \(.012inch\) pin PE45745](#)

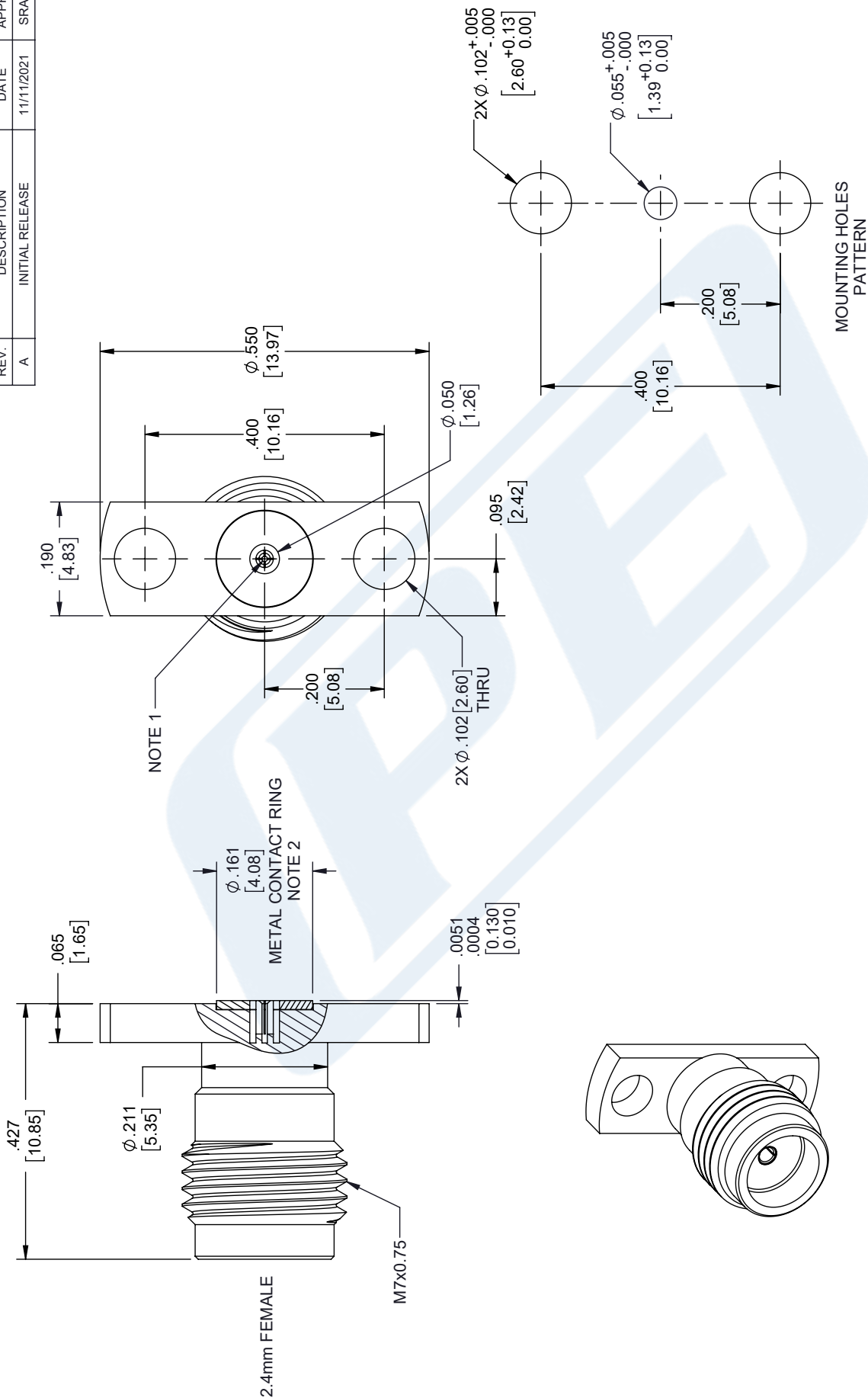
URL: <https://www.pasternack.com/24mm-female-with-emi-gasket-accepts-03mm-012inch-pin-connector-pe45745-p.aspx>

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.

PE45745 CAD Drawing

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Mount with EMI gasket, accepts 0.3mm (.012inch) pin

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	11/11/2021	SRAUTUS



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

TOLERANCES:

INCHES	FRACTIONS	ANGLES
.X = ±.2	[5/16]	±1/32
.XX = ±.02	[.51]	±1/32
.XXX = ±.005	[.13]	±1/32

CABLE LENGTH (L) TOLERANCES:

L ≤ 12 [305]	±.1 [25]
12 [305] < L ≤ 60 [1524]	±.2 [51]
60 [1524] < L ≤ 120 [3048]	±.4 [102]
120 [3048] < L ≤ 300 [7620]	±.6 [152]
300 [7620] < L	±.5% [10]

ALL DIMENSIONS SHOWN
ARE FOR REFERENCE ONLY.

PE PASTERNAK
an INFINITI brand

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THIRD-ANGLE PROJECTION

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DESIGN IN THIS DOCUMENT
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SHEET 1 OF 1
SCALE N/A

REV A

ITEM NO. PE45745

SIZE A

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- NOTES:
1. FEMALE CONTACT ACCEPTS PIN SIZE $\phi .0012$ [0.30] $\nabla .071$ [1.80] MAX.
 2. SEPARATE METAL CONTACT RING (PASSIVATED).