



# MMBX Jack Snap-On Connector Solder Attachment Surface Mount PCB, With Female Center Contact

## RF Connectors Technical Data Sheet

PE45262TR1

### Configuration

- Snap-On MMBX Jack Connector
- 50 Ohms
- Straight Body Geometry
- Surface Mount Interface Type
- Solder Attachment

### Features

- Max. Operating Frequency 12.4 GHz
- Excellent VSWR of 1.06:1
- Gold Plated Brass Contact
- Blind Mate Connection
- Small circuit footprint for high density applications
- packaging available for pick and place circuit board manufacturing
- Mechanical misalignment tolerance of 4.5deg/0.7mm Max

### Applications

- General Purpose Test
- PCB Applications
- Circuit board test point
- PCB applications
- Low cost blind mate interconnect
- Board to board applications requiring multiple coaxial connections

### Description

Pasternack's PE45262TR1 MMBX jack snap-on connector with solder attachment for surface mount PCB is part of our full line of RF components available for same-day shipping. Our MMBX jack connector operates up to a maximum frequency of 12.4 GHz and offers excellent VSWR of 1.06:1.

Our MMBX jack connector PE45262TR1 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		12.4	GHz
VSWR			1.06:1	
Insertion Loss			0.42	dB
Operating Voltage (DC)			330	Vdc
Dielectric Withstanding Voltage (DC)			1,000	Vdc
Insulation Resistance	1,000			MOhms

Electrical Specification Notes:  
MMBX Jack has a female center contact

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [MMBX Jack Snap-On Connector Solder Attachment Surface Mount PCB, With Female Center Contact PE45262TR1](#)



MMBX Jack Snap-On Connector Solder Attachment  
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**Mechanical Specifications**

**Size**

Length	0.24 in [6.1 mm]
Width/Dia.	0.24 in [6.10 mm]
Height	0.21 in [5.33 mm]
Weight	0.001 lbs [0.45 g]
Mating Cycles	100 Cycles

**Material Specifications**

Description	Material	Plating
Contact	Brass	Gold
Insulation	PTFE	
Outer Conductor	Brass	Gold
Body	Brass	Gold

**Environmental Specifications**

**Temperature**

Operating Range	-55 to +155 deg C
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**Compliance Certifications** (see [product page](#) for current document)

**Plotted and Other Data**

Notes:

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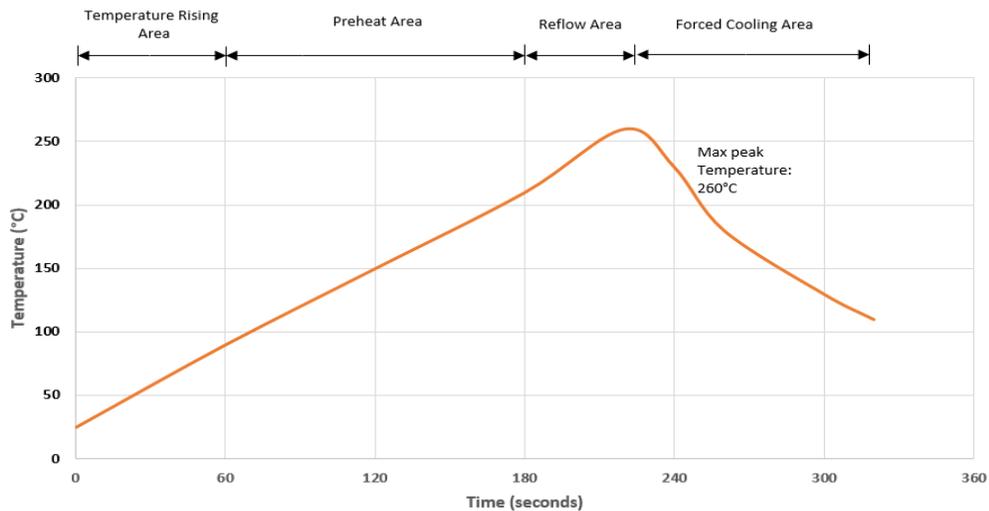
PE45262TR1

**Typical Performance Data**

**SOLDER PROCEDURE FOR MMBX RECEPTACLE**

- 1) Deposit solder paste 'SnAg4Cu0.5' on mounting zone by screen printing application.  
We recommend a low residue flux.  
We advise a thickness of 150µm.
- 2) Placement of the receptacle on the mounting zone with an automatic machine of 'pick and place' type.  
A video camera is recommended for positioning of the component.  
Adhesive agents must not be used on the receptacle.
- 3) This process of soldering has been tested with convection oven. Below please find, the typical profile to use.
- 4) Verification of solder joints and position of the component by visual inspection.

**TEMPERATURE PROFILE**



Parameter	Value	Unit
Temperature rising area	1 - 4	°C/sec
Max Peak Temperature	260	°C
Max dwell time @260°C	10	sec
Min dwell time @235°C	20	sec
Max dwell time @235°C	60	sec
Temperature drop in cooling area	-1 to -4	°C/sec
Max dwell time above 100°C	420	sec

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MMBX Jack Snap-On Connector Solder Attachment Surface Mount PCB, With Female Center Contact from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

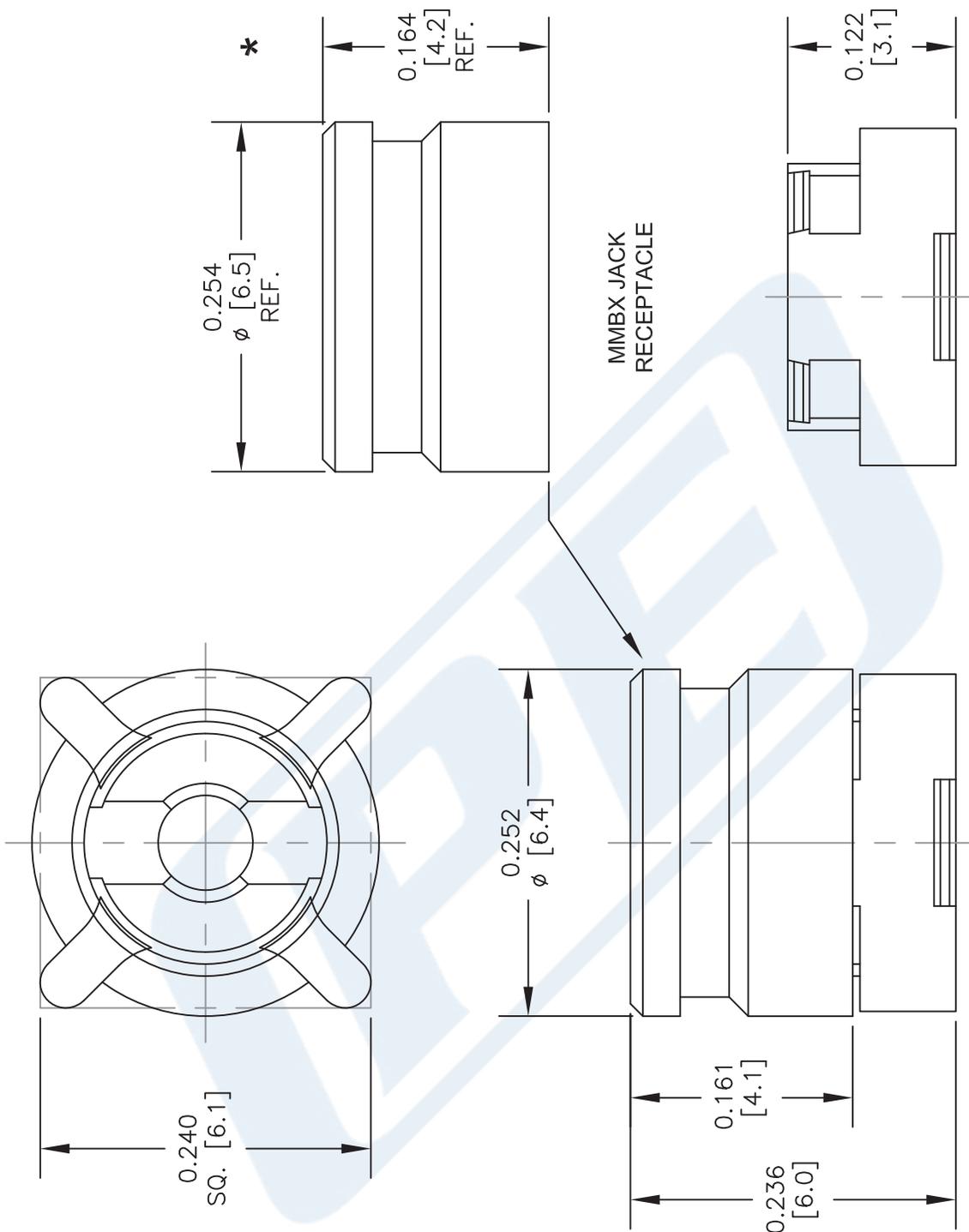
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [MMBX Jack Snap-On Connector Solder Attachment Surface Mount PCB, With Female Center Contact PE45262TR1](https://www.pasternack.com/mmbx-jack-snap-on-surface-mount-pcb-connector-pe45262tr1-p.aspx)

URL: <https://www.pasternack.com/mmbx-jack-snap-on-surface-mount-pcb-connector-pe45262tr1-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.

# PE45262TR1 CAD Drawing

MMBX Jack Snap-On Connector Solder Attachment Surface  
Mount PCB, With Female Center Contact



**STANDARD TOLERANCES**  
 .X ±0.2  
 .XX ±0.1  
 .XXX ±0.05

\*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

\* CAP FOR MANUFACTURING PROCESS

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  
**PE45262TR1**

FSCM NO. 53919

CAD FILE 092816

SCALE N/A

SIZE A

2233

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 THE ENGINEER'S RF SOURCE  
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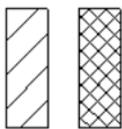
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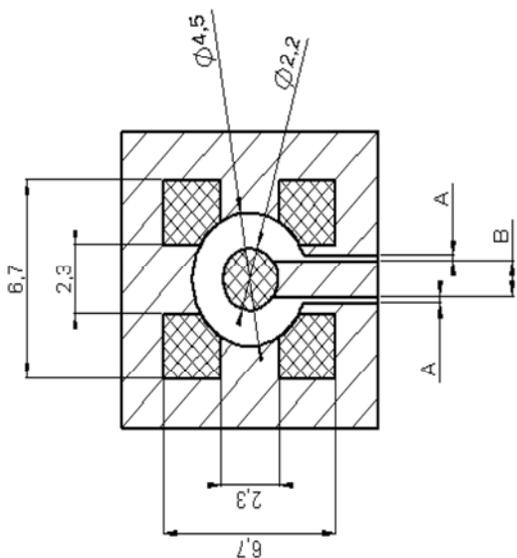
## PCB

### COPLANAR LINE

Pattern and signal are on the same side  
The material of PCB is epoxy resin (FR4).  
(Er = 4.6)  
The solder resist should be printed  
Except for the land pattern on the PCB



### Pattern



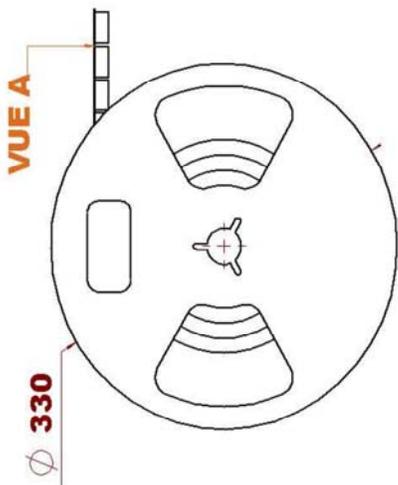
APPLICATION 75Ω  
WITH B = 0.55 mm  
0.0216 Inches

PCB Thickness [mm] Inches	Coplanar Ligne A [mm] Inches
0.0314 [0.8]	0.0137 [0.350]
0.0393 [1.0]	0.0141 [0.360]
0.0472 [1.2]	0.0143 [0.365]
0.0629 [1.6]	0.0147 [0.375]

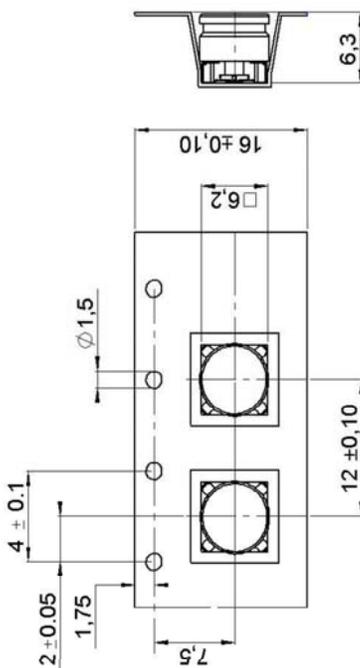
### STANDARD TOLERANCES

.X ±0.2  
.XX ±0.1  
.XXX ±0.05

\*STANDARD TOLERANCES APPLY  
ONLY TO DIMENSIONS IN INCHES



### VUE A



APPLICATION 50Ω  
WITH B = 1.2 mm  
0.0472 Inches

PCB Thickness [mm] Inches	Coplanar Ligne A [mm] Inches
0.0314 [0.8]	0.0074 [0.190]
0.0393 [1.0]	0.0078 [0.200]
0.0472 [1.2]	0.0080 [0.205]
0.0629 [1.6]	0.0082 [0.210]

### DWG TITLE

**PE45262TR1**

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