



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](#)





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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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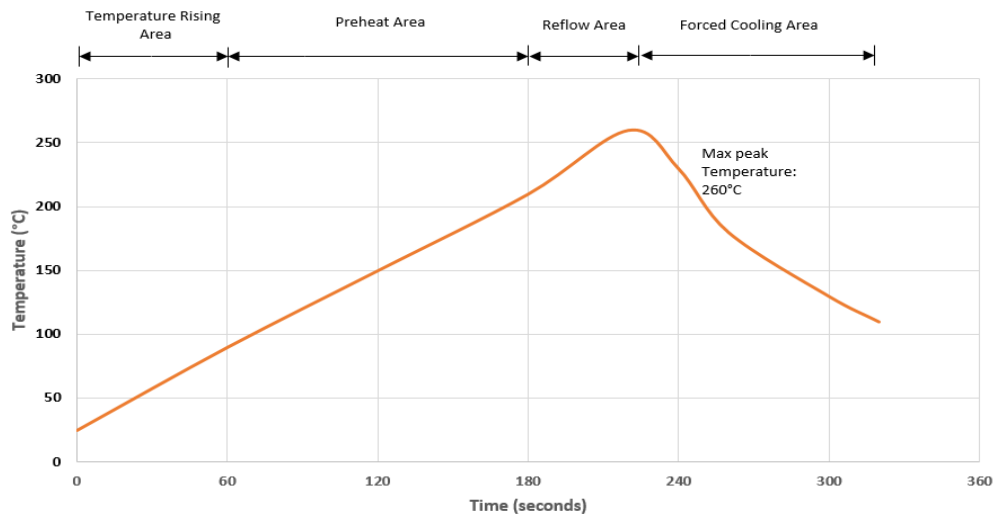
PE45262TR1

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



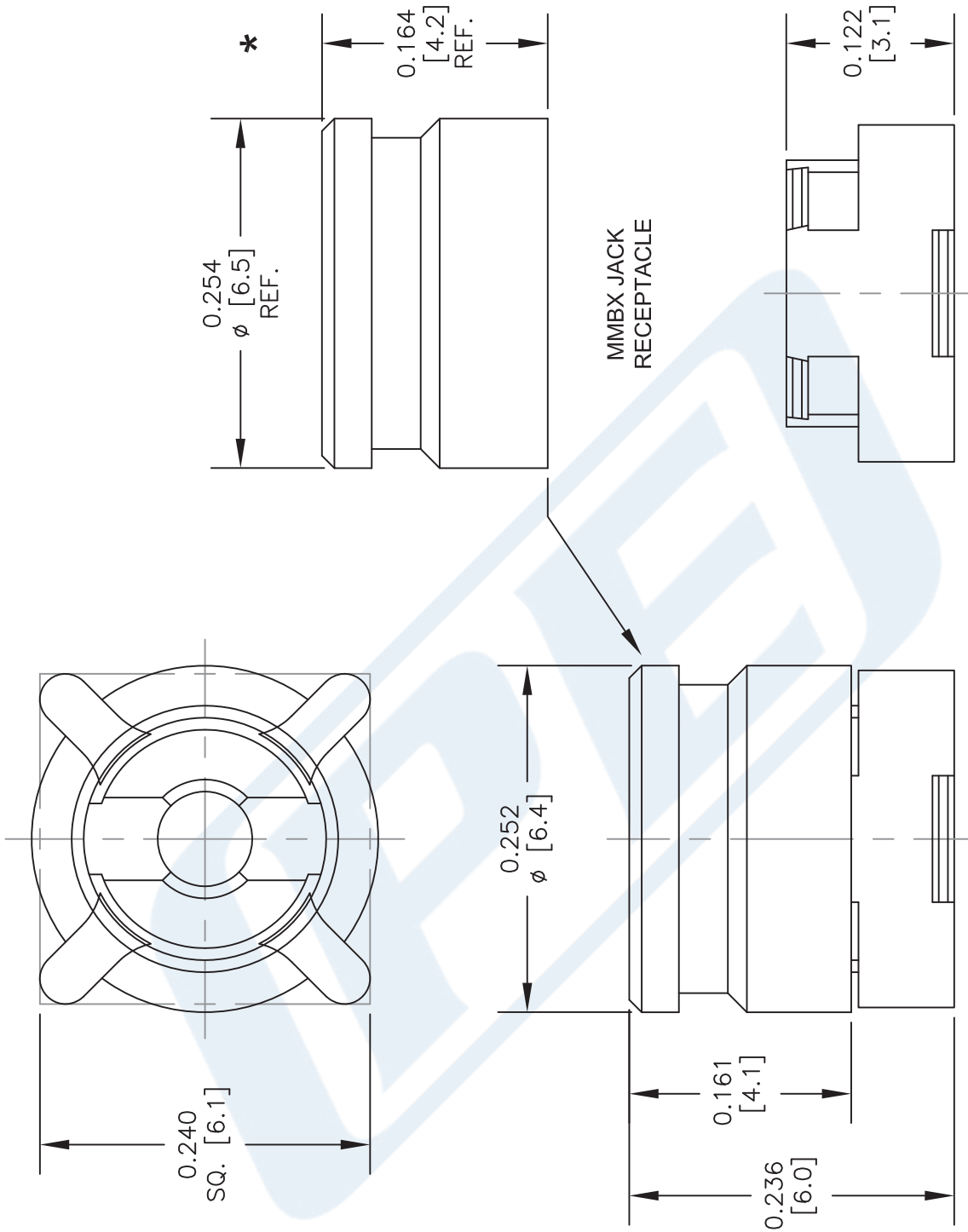
Parameter	Value	Unit
Temperature rising area	1 - 4	°C/sec
Max Peak Temperature	260	°C
Max dwell time @260°C	10	sec
Min dwell time @235°C	20	sec
Max dwell time @235°C	60	sec
Temperature drop in cooling area	-1 to -4	°C/sec
Max dwell time above 100°C	420	sec

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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

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FSCM NO. 53919

CAD FILE 092816

SCALE N/A

SIZE A

2233

