



BMA Jack Hermetically Sealed Connector Solder Attachment Stub Terminal

RF Connectors Technical Data Sheet

PE45349

Configuration

- BMA Jack Connector
- 50 Ohms
- Straight Body Geometry
- Stub Interface Type
- Solder Attachment

Features

- Max. Operating Frequency 22 GHz
- Excellent VSWR of 1.25:1
- Gold Plated Beryllium Copper Contact
- 51.18 μ in. minimum contact plating
- Blind Mate Connector
- Hermetically Sealed
- Low-Engagement Force

Applications

- General Purpose Test
- Blind Mating
- Rack and Panel
- Phased Array Systems
- Base Stations
- RF Backplanes
- Test I/O

Description

Pasternack's PE45349 BMA jack hermetically sealed connector with solder attachment stub terminal is part of our full line of RF components available for same-day shipping. Our BMA jack connector operates up to a maximum frequency of 22 GHz and offers excellent VSWR of 1.25:1. The Pasternack 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 BMA jack connector PE45349 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		22	GHz
VSWR			1.25:1	
Insertion Loss			0.32	dB
Operating Voltage (AC)			500	Vrms
Dielectric Withstanding Voltage (AC)			1,500	Vrms
Insulation Resistance	5,000			MOhms

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BMA Jack Hermetically Sealed Connector Solder Attachment Stub Terminal PE45349](#)



BMA Jack Hermetically Sealed Connector Solder Attachment Stub Terminal

RF Connectors Technical Data Sheet

PE45349

Mechanical Specifications

Size	
Length	0.55 in [13.97 mm]
Width/Dia.	0.312 in [7.92 mm]
Weight	0.009 lbs [4.08 g]
Mating Cycles	1,000 Cycles

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold 51.18 μ in. minimum
Insulation	PTFE	
Outer Conductor	Beryllium Copper	Gold
Body	Passivated Stainless Steel	
Coupling Nut	Passivated Stainless Steel	

Environmental Specifications

Temperature

Operating Range
Hermetic Seal

-65 to +165 deg C
1E-6 atm. cm³/s (Helium)

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BMA Jack Hermetically Sealed Connector Solder Attachment Stub Terminal PE45349](#)



BMA Jack Hermetically Sealed Connector Solder Attachment Stub Terminal

RF Connectors Technical Data Sheet

PE45349

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

Plotted and Other Data

Notes:

BMA Jack Hermetically Sealed Connector Solder Attachment Stub Terminal 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.

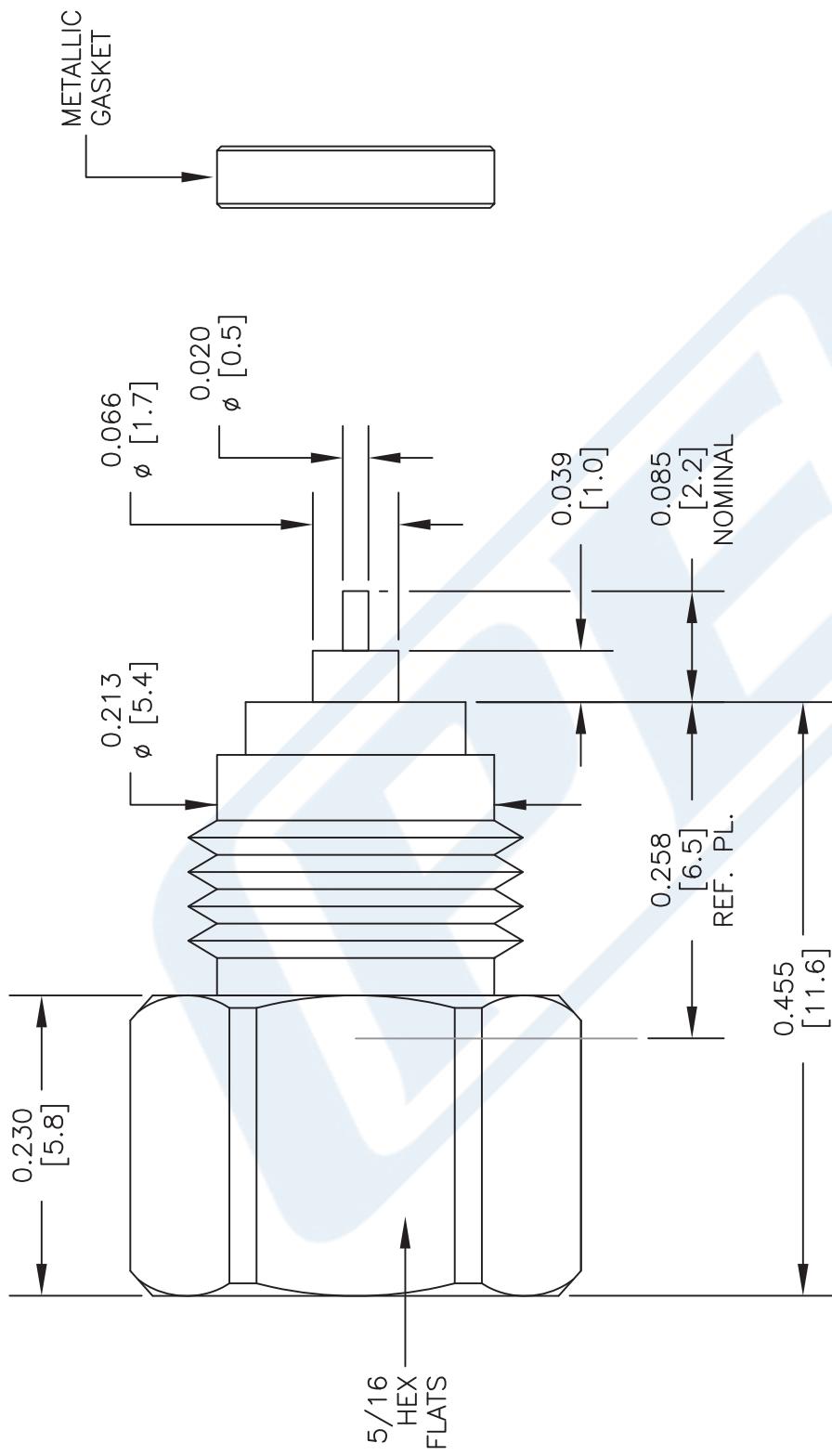
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BMA Jack Hermetically Sealed Connector Solder Attachment Stub Terminal PE45349](#)

URL: <https://www.pasternack.com/bma-jack-stub-terminal-connector-pe45349-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.

PE45349 CAD Drawing

BMA Jack Hermetically Sealed Connector Solder Attachment Stub Terminal



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

*STANDARD TOLERANCES APPLY
ONLY TO DIMENSIONS IN INCHES



Pasternack Enterprises, Inc.
P.O. Box 16759 | Irvine | CA | 92623

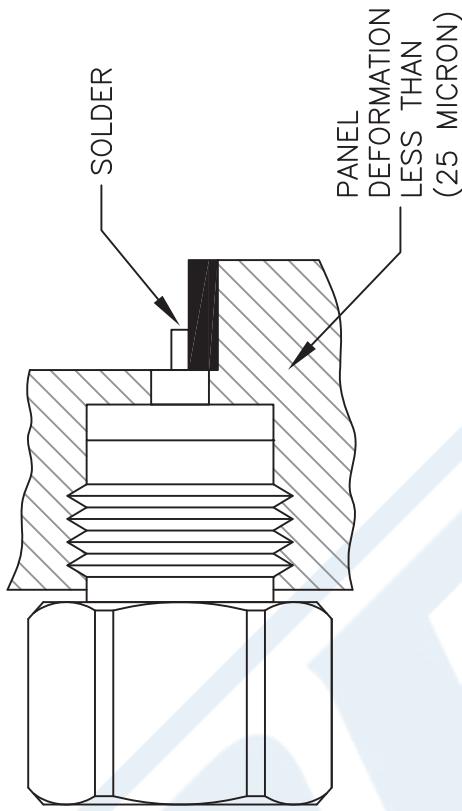
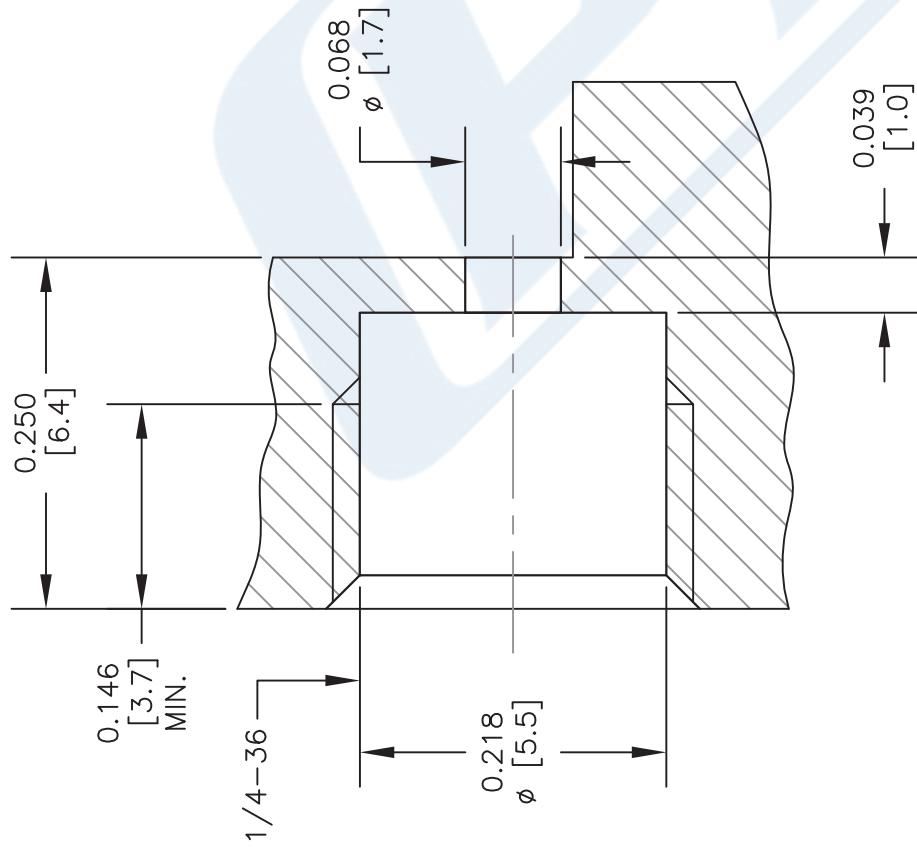
Phone: (949) 261-1920 | Fax: (949) 261-7451

Website: www.pasternack.com | E-Mail: sales@pasternack.com

DWG TITLE	PE45349
CAGE CODE	53919

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].

SIZE A	2233
CAD FILE	020917



Mounting Procedure

1. Assemble metal gasket onto connector.
2. Tighten the connector up to 280 Ncm torque (19.47 Lbs. In)
3. Thus the connection hermeticity is guaranteed at 1 . 10-5 atm.cm3/sec.
Then solder the pin.

Panel Drilling

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

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

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	PE45349	CAD FILE	020917	SCALE	N/A	SIZE	A	2233
PASTERNACK® THE ENGINEER'S RF SOURCE	Pasternack Enterprises, Inc. P.O. Box 16759 Irvine CA 92623 Phone: (949) 261-1920 Fax: (949) 261-7451 Website: www.pasternack.com E-Mail: sales@pasternack.com							