



SMA Female Hermetically Sealed Connector
Solder Attachment 4 Hole Flange Mount Terminal
with Tab Contact, 0.340 inch Hole Spacing

RF Connectors
Technical Data Sheet

PE1963

Configuration

- SMA Female Connector
- 50 Ohms
- Straight Body Geometry
- 4 Hole Flange

Features

- Max. Operating Frequency 10 GHz
- Excellent VSWR of 1.2:1
- Gold over Nickel over Copper Plated Beryllium Copper
- Contact
- Hermetically Sealed

Applications

- General Purpose Test
- Rack and Panel Mount Applications

Description

Pasternack's PE1963 , SMA, Hermetically Sealed, connector with solder/solder attachment terminal is part of our full line of RF components available for same-day shipping. Our SMA female connector operates up to a maximum frequency of 10 GHz and offers excellent VSWR of 1.2:1. This SMA 4 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.

Our SMA female 4 hole flange connector PE1963 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		10	GHz
VSWR			1.2:1	
Insertion Loss			0.126	dB
Operating Voltage (AC)			500	Vrms
Impedance		50		Ohms
Dielectric Withstanding Voltage (AC)			1,500	Vrms
Inner Conductor DC Resistance			3	mOhms
Outer Conductor DC Resistance			2	mOhms
Insulation Resistance	5,000			MOhms

Mechanical Specifications

Size	
Length	0.54 in [13.72 mm]
Width	0.50 in [12.70 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Female Hermetically Sealed Connector Solder Attachment 4 Hole Flange Mount Terminal with Tab Contact, 0.340 inch Hole Spacing PE1963](#)



SMA Female Hermetically Sealed Connector
Solder Attachment 4 Hole Flange Mount Terminal
with Tab Contact, 0.340 inch Hole Spacing

RF Connectors
Technical Data Sheet

PE1963

Height	0.50 in [12.70 mm]
Weight	0.02 lbs [9.07 g]
Mating Cycles	500 Cycles
Mating Torque	7 to 9.5 in-lbs [0.79 to 1.07 Nm]
Cable Retention Force	6.1 lbs 2.77 kg

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold over Nickel over Copper
Insulation	PTFE	
Body	Stainless Steel	Gold over Nickel over Copper
Gasket	Silicone	

Environmental Specifications

Temperature

Operating Range	-40 to +165 deg C
Humidity	MIL-STD-202, Method106
Thermal Shock	MIL-STD-202, Method107, Condition B
Salt Spray	MIL-STD-202, Method101, Condition B
Hermetic Seal	1*10-6cc/sec helium at 1atm

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

Plotted and Other Data

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Female Hermetically Sealed Connector Solder Attachment 4 Hole Flange Mount Terminal with Tab Contact, 0.340 inch Hole Spacing PE1963](#)



SMA Female Hermetically Sealed Connector
Solder Attachment 4 Hole Flange Mount Terminal
with Tab Contact, 0.340 inch Hole Spacing

RF Connectors
Technical Data Sheet

PE1963

SMA Female Hermetically Sealed Connector Solder Attachment 4 Hole Flange Mount Terminal with Tab Contact, 0.340 inch Hole Spacing 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: [SMA Female Hermetically Sealed Connector Solder Attachment 4 Hole Flange Mount Terminal with Tab Contact, 0.340 inch Hole Spacing PE1963](#)

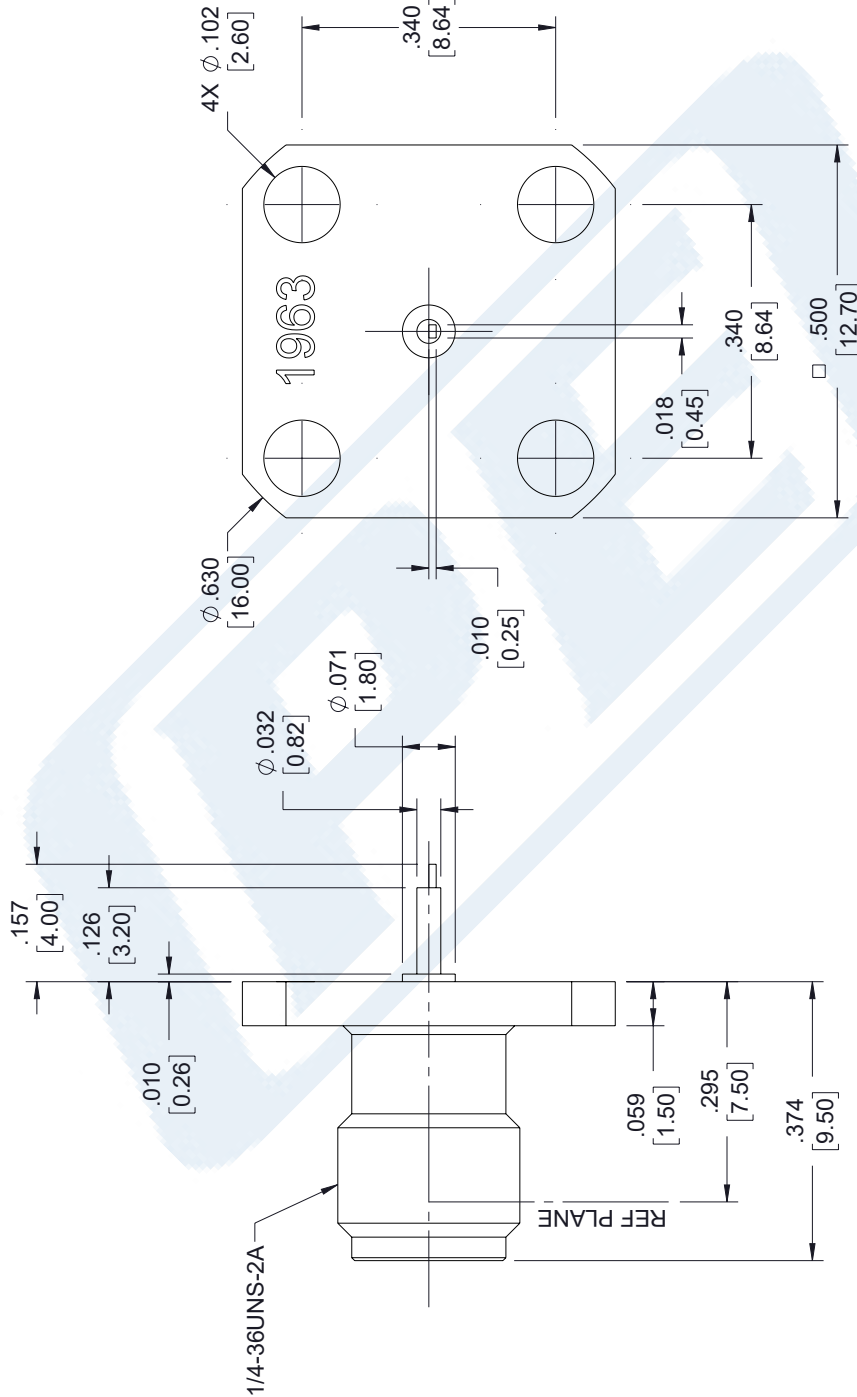
URL: <https://www.pasternack.com/sma-female-terminal-connector-pe1963-p.aspx>

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.

PE1963 CAD Drawing

SMA Female Hermetically Sealed Connector Solder Attachment 4 Hole
Flange Mount Terminal with Tab Contact, 0.340 inch Hole Spacing

REVISIONS		
REV.	DESCRIPTION	DATE
A	INITIAL RELEASE	12/13/2022
		APPROVED
		AGANWANI



THIRD-ANGLE PROJECTION

THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF PASTERNAK CORPORATION. ALL RIGHTS RESERVED.

SHEET 1 OF 1

SCALE N/A

PE PASTERNAK
an INFINITI® brand

Pasternack Enterprises, Inc.
P.O. Box 16759, Irvine, CA 92623.
Phone: 1-949-261-1920 | 1-866-727-8376
Fax: 1-949-261-7451
Website: www.pasternack.com
E-mail: sales@pasternack.com

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

TOLERANCES:

.X = ±.2	[5.08]	FRACTIONS
.XX = ±.02	[.51]	± 1/32
.XXX = ±.005	[.13]	ANGLES ± 1°

CABLE LENGTH (L) TOLERANCES:

L ≤ 12 [305]	= +1 [25] / -0
12 [305] < L ≤ 60 [1524]	= +2 [51] / -0
60 [1524] < L ≤ 120 [3048]	= +4 [102] / -0
120 [3048] < L ≤ 300 [7620]	= +6 [152] / -0
300 [7620] < L	= +5%L / -0

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

SIZE CAGE CODE DRAWN BY ITEM NO.

A	53919	HBAKKE	PE1963
---	-------	--------	--------

THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.