



Precision SMA Female to SMP Male 4 Hole Flange Mount Adapter, Full Detent

RF Adapters Technical Data Sheet

PE91059

Configuration

- SMA Female Connector 1
- SMP Male Connector 2
- 50 Ohm
- Precision Design
- Straight Body Geometry
- 4 Hole Flange Mount Method

Features

- Max VSWR of 1.2:1 up to 26.5 GHz
- SMA interface compliant with MIL-STD-348
- SMP interface compliant with DESC94007
- Contact plating according to MIL-G-45204, Type I, Gr: A, Cl: 1
- Gold Plated Beryllium Copper Contact

Applications

- Allows Connection Between Series
- Rack Mounted Equipment
- General Purpose Test
- Precision Test & Measurement

Description

Pasternack's PE91059 SMA female to SMP male 4 hole flange adapter is part of our full line of RF components available for same-day shipping. The SMA connector mates mechanically with commercially available 3.5mm and 2.92mm (K) connectors. Our SMA to SMP adapter has a female to male gender configuration built of durable stainless steel in a precision design. PE91059 SMA female to SMP male adapter operates to 26.5 GHz. The Pasternack RF adapter provides excellent VSWR of 1.2:1 maximum. This RF SMA to SMP 4 hole flange adapter 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.

RF adapters are often used to enable connections between two connector types that would otherwise not mate. Certain adapter configurations can also be used to protect connectors on expensive equipment where the number of connect/disconnect cycles is high. An RF, microwave or millimeter wave adapter is connected to the equipment, and the commonly changed connection is made with the adapter which can be easily replaced when it wears out after high usage; such adapters are referred to as connector savers. Pasternack also offers bulkhead, panel mount, hermetically sealed, reverse polarity, and isolated ground adapter varieties to serve all of your RF, microwave and millimeter wave needs.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		26.5	GHz
VSWR			1.2:1	

Mechanical Specifications

Size	
Length	0.779 in [19.79 mm]
Width	0.5 in [12.7 mm]
Height	0.5 in [12.7 mm]
Weight	0.0097 lbs [4.4 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Precision SMA Female to SMP Male 4 Hole Flange Mount Adapter, Full Detent PE91059](#)



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Description	Connector 1	Connector 2
Type	SMA Female	SMP Male
Polarity	Standard	Standard
Interface Specification	MIL-STD-348	DESC94007
Mating Cycles	100	100

Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	SMA Female		SMP Male	
Contact	Beryllium Copper	Gold	Beryllium Copper	Gold
		MIL-G-45204, Type I, Gr: A, Cl: 1		MIL-G-45204, Type I, Gr: A, Cl: 1
Insulation	PTFE		PTFE	
Body	Passivated Stainless Steel		Passivated Stainless Steel	
		AMS-QQ-P-35		AMS-QQ-P-35

Environmental Specifications

Temperature

Operating Range -55 to +125 °C

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

Plotted and Other Data

Notes:

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Precision SMA Female to SMP Male 4 Hole Flange Mount Adapter, Full Detent 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: [Precision SMA Female to SMP Male 4 Hole Flange Mount Adapter, Full Detent PE91059](https://www.pasternack.com/sma-female-smp-male-straight-adapter-pe91059-p.aspx)

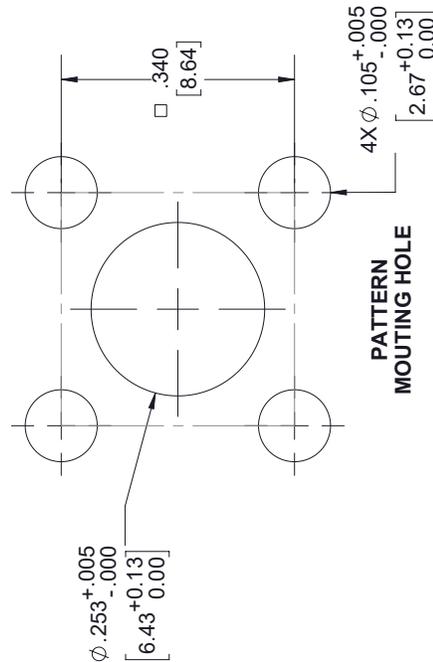
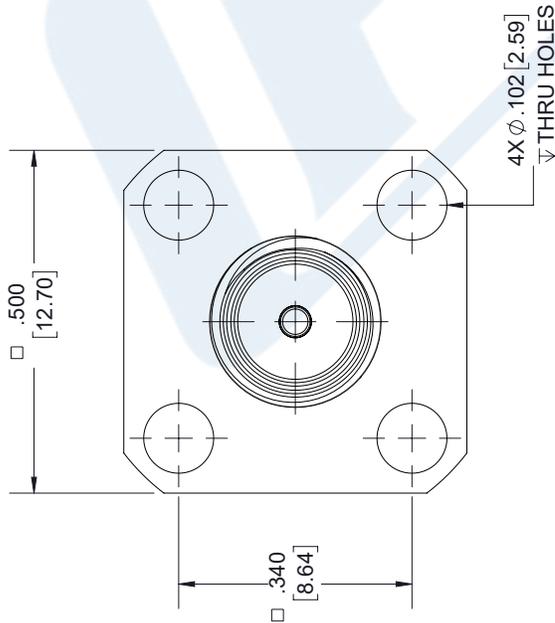
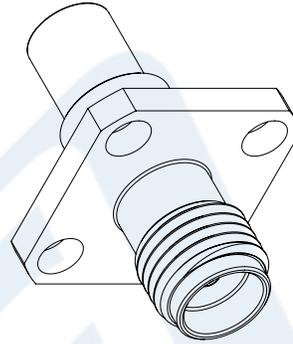
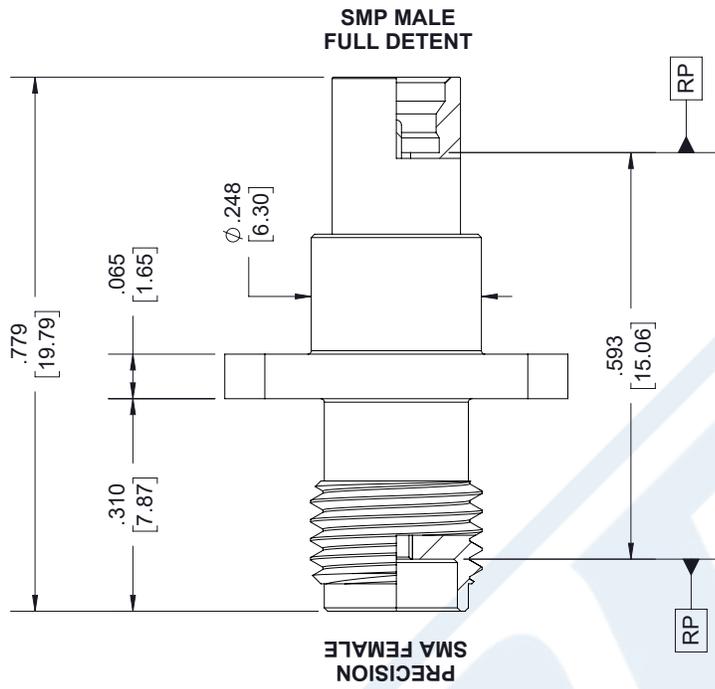
URL: <https://www.pasternack.com/sma-female-smp-male-straight-adapter-pe91059-p.aspx>

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.

PE91059 CAD Drawing

Precision SMA Female to SMP Male 4 Hole Flange Mount Adapter, Full Detent

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	PCR PE91059	6/2/2021	S. ELLIS



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

TOLERANCES:

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

PE PASTERNAK
 an INFINIT brand

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THIRD-ANGLE PROJECTION

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SHEET 1 OF 1
 SCALE N/A

SIZE CAGE CODE DRAWN BY ITEM NO. REV

A 53919 K.DANG PE91059 A

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