

RP SMA Male Connector Clamp/Solder Attachment
 for RG55, RG58, RG141, RG142, RG223, RG303,
 RG400, PE-C195, PE-P195, LMR-195



RF Connectors Technical Data Sheet

PE4766

Configuration

- SMA Male Reverse Polarity Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry

- RG55, RG58, RG141, RG142, RG223, RG303, RG400, PE-C195, PE-P195, LMR-195 Interface Type
- Clamp/Solder Attachment
- 5/16 inch Hex

Features

- Gold Plated Contact
- Contact plating according to MIL-G-45204

- Reverse Polarity

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4766 RP SMA male connector with clamp/solder attachment for RG55, RG58, RG141, RG142, RG223, RG303, RG400, PE-C195, PE-P195 and LMR-195 is part of our full line of RF components available for same-day shipping. The male reverse polarity configuration uses a male connector body with a female inner contact receptacle.

Our reverse polarity SMA male connector PE4766 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.

Mechanical Specifications

Size

Length
 Width/Dia.

0.75 in [19.05 mm]
 0.312 in [7.92 mm]

Weight

0.012 lbs [5.44 g]

Mating Torque

3 to 5 in-lbs [0.34 to 0.57 Nm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [RP SMA Male Connector Clamp/Solder Attachment for RG55, RG58, RG141, RG142, RG223, RG303, RG400, PE-C195, PE-P195, LMR-195 PE4766](#)



RP SMA Male Connector Clamp/Solder Attachment
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RF Connectors Technical Data Sheet

PE4766

Material Specifications

Description	Material	Plating
Contact		Gold MIL-G-45204
Insulation	PTFE	
Body	Brass	Nickel QQ-N-290
Coupling Nut	Brass	Nickel QQ-N-290

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

Plotted and Other Data

Notes:

RP SMA Male Connector Clamp/Solder Attachment for RG55, RG58, RG141, RG142, RG223, RG303, RG400, PE-C195, PE-P195, LMR-195 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.

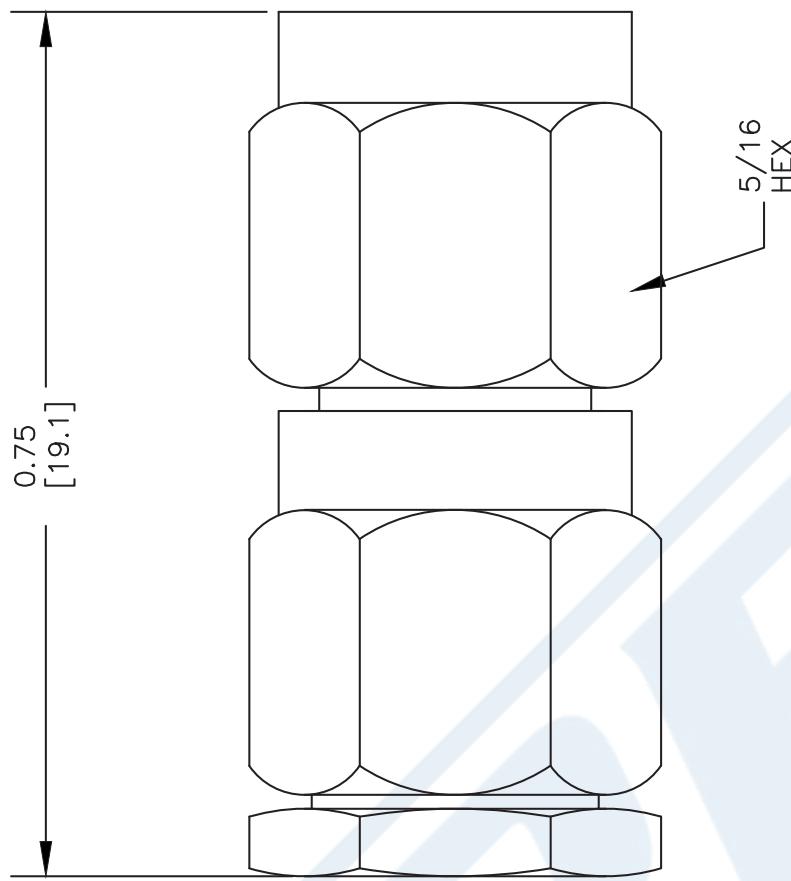
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URL: <https://www.pasternack.com/sma-male-reverse-polarity-rg58-rg55-rg141-rg142-rg223-rg400-connector-pe4766-p.aspx>

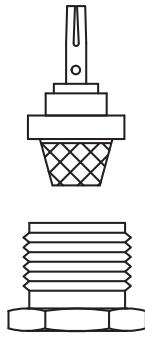
The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such 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.

PE4766 CAD Drawing

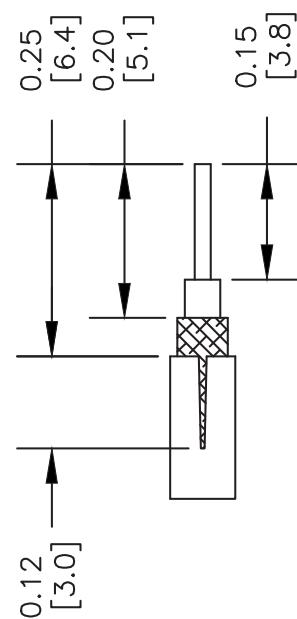
RP SMA Male Connector Clamp/Solder Attachment for RG55, RG58, RG141,
RG142, RG223, RG303, RG400, PE-C195, PE-P195, LMR-195



ASSEMBLY PROCEDURES



1. STRIP CABLE AS SHOWN. DO NOT NICK CENTER CONDUCTOR. TIN CENTER CONDUCTOR. SLIT JACKET IN 2 PLACES.
2. SLIDE CLAMP NUT (1) OVER CABLE. FLAIR BRAID AND INSERT CONE ASSEMBLY (2) UNDER BRAID. CABLE DIELECTRIC MUST SEAT AGAINST INSULATOR IN CONE ASSEMBLY WITH CENTER CONDUCTOR PROTRUDING THROUGH INSULATOR HOLE.
3. SLIDE CONTACT OVER CENTER CONDUCTOR AND INTO INSULATOR UNTIL IT STOPS. APPLY SOLDER THRU HOLE IN CONTACT.
4. INSTALL CABLE ASSEMBLY INTO CONNECTOR BODY AND TIGHTEN.



STRIPPING DIMENSIONS



Pasternack Enterprises, Inc.

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

DWG TITLE
PE4766

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].
4. FITS MIL-C-17 AND EQUIVALENT CABLES.

REV. A	FSCM NO.	53919	CAD FILE	021813-A	SCALE	N/A	SIZE	A	2231
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**RP SMA Female Bulkhead Connector Clamp/
Solder Attachment For RG58, RG55, RG141,
RG142, RG223, RG400, .235 inch D Hole**
TECHNICAL DATA SHEET
PE4854
**RP SMA Female Bulkhead Connector Clamp/Solder Attachment For RG58, RG55, RG141, RG142, RG223,
RG400, .235 inch D Hole**
Configuration

Connector	SMA Female Reverse Polarity
Connector Specification	MIL-C-39012
Connector Interface Type	RG58, RG55, RG141, RG142, RG223, RG400
Cable Attachment Method (Shield/Contact)	Clamp/Solder
Body Style	Straight
Mount Method	Bulkhead

Electrical Specifications

Impedance, Ohms	50
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Mechanical Specifications

Temperature	
Operating Range, deg C	-65 to +165
Size	
Length, in [mm]	0.875 [22.23]
Width/Dia., in [mm]	0.312 [7.92]
Weight, lbs [g]	0.013 [5.9]

Connector

Type	SMA Female Reverse Polarity
Contact Material and Plating	Gold
Contact Plating Specification	MIL-G-45204
Body Material and Plating	Brass, Nickel
Dielectric Type	Teflon

Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant	Yes
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Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [RP SMA Female Bulkhead Connector Clamp/Solder Attachment For RG58, RG55, RG141, RG142, RG223, RG400, .235 inch D Hole PE4854](#)

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**RP SMA Female Bulkhead Connector Clamp/
Solder Attachment For RG58, RG55, RG141,
RG142, RG223, RG400, .235 inch D Hole**

TECHNICAL DATA SHEET

PE4854

Plotted and Other Data

Notes:

Values at 25 °C, sea level

RP SMA Female Bulkhead Connector Clamp/Solder Attachment For RG58, RG55, RG141, RG142, RG223, RG400, .235 inch D Hole from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

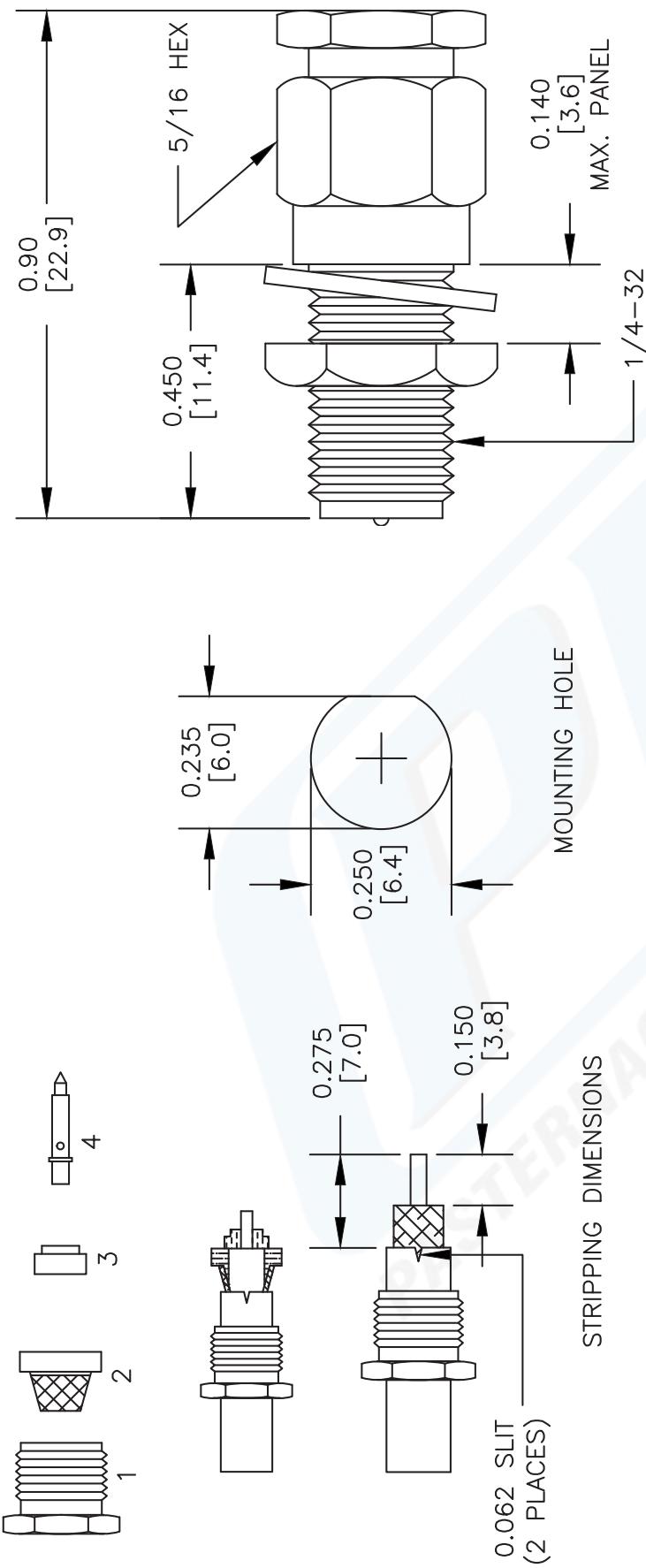
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URL: <http://www.pasternack.com/sma-female-reverse-polarity-rg58-rg55-rg141-rg142-rg223-rg400-connector-pe4854-p.aspx>

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PE4854 CAD Drawing

RP SMA Female Bulkhead Connector Clamp/Solder Attachment For
RG58, RG55, RG141, RG142, RG223, RG400, .235 inch D Hole



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DWG TITLE	PE4854	SCALE N/A	SIZE A	2233
FSCM NO. 53919	CAD FILE 060713			

PE PASTERNACK®

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Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket

TECHNICAL DATA SHEET

RG142B/U

Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket

Configuration

Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Shield Materials	Silver Plated Copper Braid, Silver Plated Copper Braid
Jacket Material and Color	FEP, Tan

Electrical Specifications

Impedance, Ohms	50
Velocity of Propagation, %	69.2
Maximum Operating Frequency, GHz	8
RF Shielding, dB	90
Capacitance, pF/ft [pF/m]	29.4 [96.46]
Maximum Operating Voltage, Volts	1,900

Electrical Specifications by Frequency

Frequency 1

Frequency, MHz	100
Attenuation, dB/100ft [dB/100m]	3.9 [12.8]

Frequency 2

Frequency, MHz	1000
Attenuation, dB/100ft [dB/100m]	13 [42.65]

Frequency 3

Frequency, GHz	3
Attenuation, dB/100ft [dB/100m]	23.8 [78.08]

Frequency 4

Frequency, GHz	5
Attenuation, dB/100ft [dB/100m]	36 [118.11]

Mechanical Specifications

Temperature

Operating Range, deg C	-55 to +200
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Inner Conductor

Number of Strands	1
Material	Copper Clad Steel
Plating	Silver
Diameter, in [mm]	0.037 [0.94]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket RG142B/U](#)

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Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket

TECHNICAL DATA SHEET

RG142B/U

Dielectric:

Type PTFE
Diameter, in [mm] 0.116 [2.95]

Shield:

Number of 2
Material 1 Silver Plated Copper Braid
Material 2 Silver Plated Copper Braid
Diameter, in [mm] 0.156 [3.96]

Jacket:

Material FEP
Diameter, in [mm] 0.195 [4.95]
Color Tan
One Time Minimum Bend Radius, in [mm] 0.984 [24.99]
Repeated Minimum Bend Radius, in [mm] 2 [50.8]
Weight, lbs/ft [Kg/m] 0.046 [0.07]

Compliance Certifications

(visit www.Pasternack.com for current document)
RoHS Compliant Yes

Plotted and Other Data

Notes: Values at 25 °C, sea level

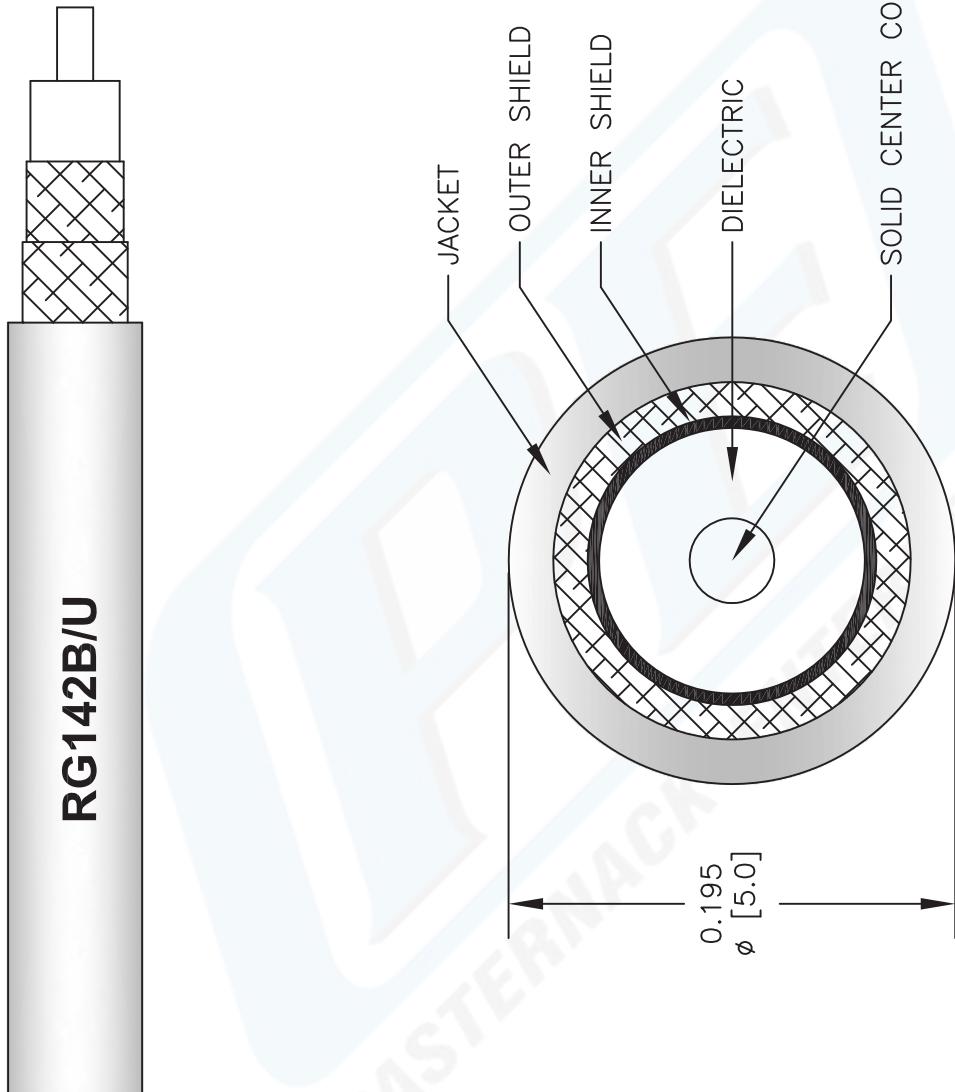
URL: <http://www.pasternack.com/flexible-0.195-rg142-50-ohm-coax-cable-fep-jacket-rg142b-u-p.aspx>

Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

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RG142B/U CAD Drawing

Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket



RG142B/U

DWG TITLE

RG142B/U

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FSM NO.	CAD FILE	SCALE	SIZE	REV
53919	022808-A	N/A	A	2233