



SMA Female Bulkhead Mount Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402, .235 inch D Hole

RF Connectors Technical Data Sheet

PE45554

Configuration

- SMA Female Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry

- Connector Interface Types: PE-SR402AL, PE-SR-402FL, PE-SR402FLJ, PE-SR402TN, RG402
- Bulkhead

Features

- Max. Operating Frequency 6 GHz
- Excellent VSWR of 1.23:1

- Gold Plated Beryllium Copper Contact
- 50 µin minimum contact plating

Applications

- General Purpose Test
- Rack and Panel Mount Applications
- Custom Cable Assemblies

Description

Pasternack's PE45554 SMA female bulkhead connector with solder/solder attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN and RG402 (.235 inch D hole) 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 6 GHz and offers excellent VSWR of 1.23:1. This SMA bulkhead 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 bulkhead connector PE45554 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		6	GHz
VSWR			1.23:1	
Operating Voltage (AC)			500	Vrms

Mechanical Specifications

Size

Length	0.748 in [19 mm]
Width/Dia.	0.433 in [11.00 mm]
Height	0.433 in [11 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 Bulkhead Mount Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402, .235 inch D Hole PE45554](#)



SMA Female Bulkhead Mount Connector Solder
Attachment for PE-SR402AL, PE-SR402FL, PE-
SR402FLJ, PE-SR402TN, RG402, .235 inch D Hole

RF Connectors
Technical Data Sheet

PE45554

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold 50 µin minimum
Insulation	PTFE	
Body	Stainless Steel	Gold 30 µin minimum
Washer	Brass	Gold 30 µin minimum

Environmental Specifications

Temperature

Operating Range

-65 to +165 deg C

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

Plotted and Other Data

Notes:

SMA Female Bulkhead Mount Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402, .235 inch D Hole 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.

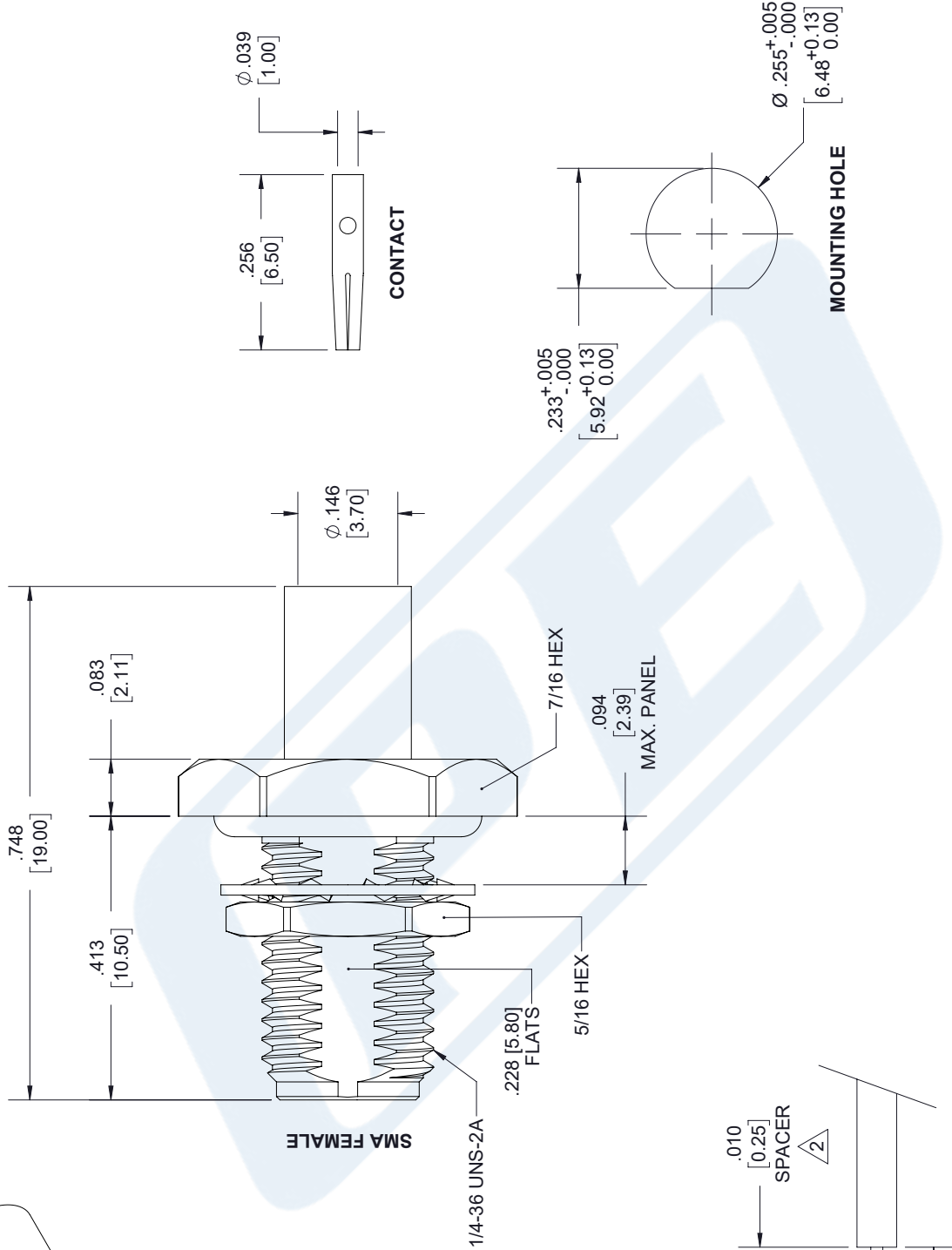
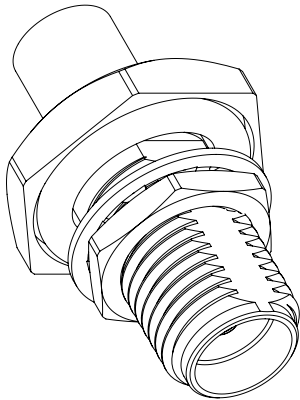
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URL: <https://www.pasternack.com/sma-female-pe-sr402al-pe-sr402fl-pe-sr402tn-rg402-connector-pe45554-p.aspx>

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SMA Female Bulkhead Mount Connector Solder Attachment for PE-SR402AL,
PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402, .235 inch D Hole

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	11/18/19	SELLIS



STRIPPING DIMENSIONS

NOTES:

- CABLE ATTACHMENT:
• OUTER: SOLDER.
• INNER: SOLDER.
- SPACER: LEAVE A GAP .010 [25] BETWEEN CONTACT AND CABLE.

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UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE IN 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% / -0
ALL DIMENSIONS SHOWN
ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION

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DESIGN IN THIS DOCUMENT
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SHEET 1 OF 1

SCALE N/A

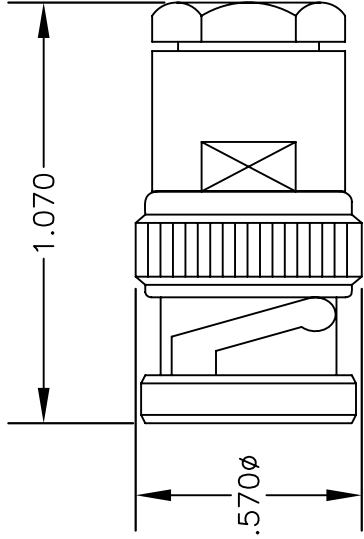
REV A

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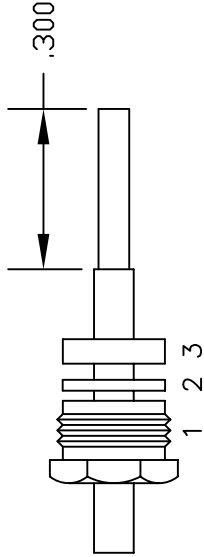
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SIZE A CAGE CODE 53919 DRAWN BY K.DANG PART NUMBER PE45554

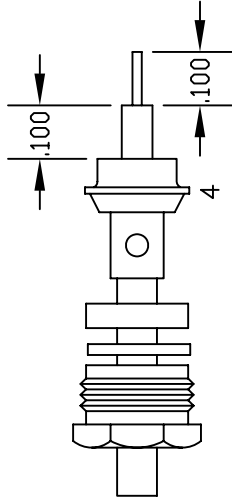
MATERIALS	
BODY	BRASS NICKEL PLATED
CONTACT	GOLD PLATED
INSULATOR	PTFE
SOLDER ADAPTER	BRASS GOLD PLATED



ASSEMBLY PROCEDURES



ASSEMBLY (A)



ASSEMBLY (B)

1. SLIDE CLAMP NUT (1), WASHER (2) & GASKET (3) OVER CABLE. STRIP CABLE AS SHOWN IN ASSEMBLY (A). DO NOT CUT DIELECTRIC.

2. SLIDE ADAPTER (4) OVER CABLE UNTIL ADAPTER (4) BOTTOMS ON OUTER CONDUCTOR. SOLDER ADAPTER (4) TO OUTER CONDUCTOR USING MINIMUM HEAT.

3. STRIP CABLE AS SHOWN IN ASSEMBLY (B). SOLDER CONTACT TO CENTER CONDUCTOR. SLIDE ASSEMBLY FORWARD & TIGHTEN TO BODY.



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DWG TITLE
PE4206

DES.
BNC MALE, SOLDER/CLAMP ATTACHMENT
FOR RG402, PE-SR402AL & PE-SR402FL

REV. -	FSCM NO. 53919	CAD FILE	042309	SCALE	N/A	SIZE	A	147
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NOTES:

- UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
- ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
- DIMENSIONS ARE IN INCHES.

141 Semi-rigid Coax Cable with Tinned Aluminum

TECHNICAL DATA SHEET

PE-SR402AL

141 Semi-rigid Coax Cable with Tinned Aluminum

Configuration

Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Shield Materials	Tinned Aluminum

Electrical Specifications

Impedance, Ohms	50
Maximum Operating Frequency, GHz	36
Dielectric Withstanding Voltage, Vrms	5,000

Electrical Specifications by Frequency

Frequency 1

Frequency, MHz	1000
Attenuation, dB/100ft [dB/100m]	13 [42.65]
Power Handling, Watts	450

Frequency 2

Frequency, GHz	10
Attenuation, dB/100ft [dB/100m]	46 [150.92]
Power Handling, Watts	120

Frequency 3

Frequency, GHz	20
Attenuation, dB/100ft [dB/100m]	71 [232.94]
Power Handling, Watts	70

Mechanical Specifications

Temperature

Operating Range, deg C	-55 to +125
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Inner Conductor

Number of Strands	1
Material	Copper Clad Steel
Plating	Silver
Diameter, in [mm]	0.036 [0.91]

Dielectric:

Type	PTFE
Diameter, in [mm]	0.118 [3]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [141 Semi-rigid Coax Cable with Tinned Aluminum PE-SR402AL](#)

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141 Semi-rigid Coax Cable with Tinned Aluminum

TECHNICAL DATA SHEET

PE-SR402AL

Shield:Number of
Material 1

1

Tinned Aluminum

Jacket:

Diameter, in [mm]

0.141 [3.58]

One Time Minimum Bend Radius, in [mm]

0.1 [2.54]

Weight, lbs/ft [Kg/m]

0.02 [0.03]

Compliance Certifications (visit www.Pasternack.com for current document)**Plotted and Other Data**

Notes:

Values at 25 °C, sea level

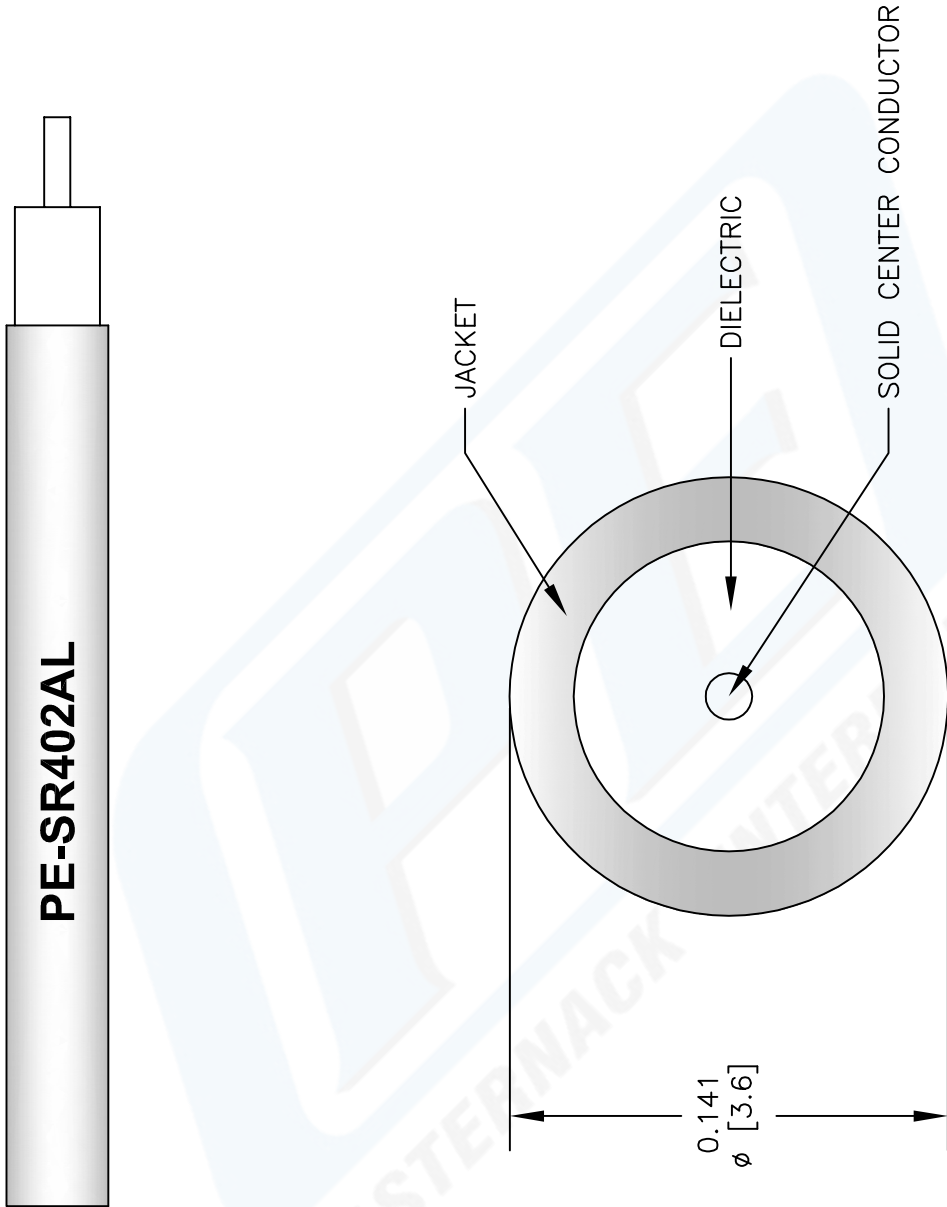
141 Semi-rigid Coax Cable with Tinned Aluminum from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [141 Semi-rigid Coax Cable with Tinned Aluminum PE-SR402AL](#)

URL: <http://www.pasternack.com/semirigid-0.141-50-ohm-coax-cable-tinned-aluminum-pe-sr402al-p.aspx>

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PE-SR402AL CAD Drawing
141 Semi-rigid Coax Cable with Tinned Aluminum



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DWG TITLE
PE-SR402AL

REV. A FSCM NO. 53919

147

SIZE A

SCALE N/A

CAD FILE 022808-A

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