

## 75 Ohm SMB Jack Connector Clamp/Solder Attachment for RG59B/U, RG62



### PE4272

#### Configuration

- SMB Jack Connector
- 75 Ohms
- Straight Body Geometry
- Connector Interface Types: RG59B/U, RG62

#### Features

- Gold Plated Contact

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE4272 , SMB, Standard, Connector is part of our full line of RF components available for same-day shipping.

Our 75 ohm SMB jack connector PE4272 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 |
|-------------|---------|---------|---------|-------|
| Impedance   |         | 75      |         | Ohms  |

#### Mechanical Specifications

##### Size

|        |                     |
|--------|---------------------|
| Length | 0.615 in [15.62 mm] |
| Width  | 0.344 in [8.74 mm]  |
| Height | 0 in [0 mm]         |
| Weight | 0.009 lbs [4.08 g]  |

#### Material Specifications

| Description | Material | Plating |
|-------------|----------|---------|
| Contact     |          | Gold    |
| Insulation  | Teflon   |         |
| Body        | Brass    | Nickel  |

#### Environmental Specifications

##### Temperature

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

#### Plotted and Other Data

Notes:

## 75 Ohm SMB Jack Connector Clamp/Solder Attachment for RG59B/U, RG62

**PE4272**



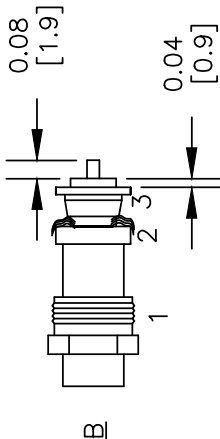
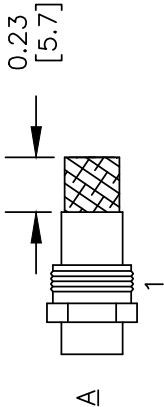
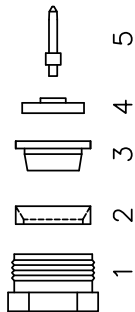
75 Ohm SMB Jack Connector Clamp/Solder Attachment for RG59B/U, RG62 from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm SMB Jack Connector Clamp/Solder Attachment for RG59B/U, RG62 PE4272](https://www.pasternack.com/smb-jack-rg59b-u-rg62-connector-pe4272-p.aspx)

URL: <https://www.pasternack.com/smb-jack-rg59b-u-rg62-connector-pe4272-p.aspx>

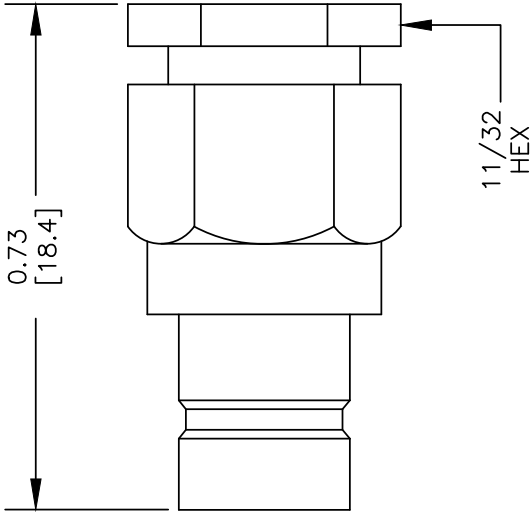
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PE4272 CAD Drawing
75 Ohm SMB Jack Connector Clamp/Solder Attachment for RG59B/U, RG62



STRIPPING DIMENSIONS
ASSEMBLY PROCEDURES

- 1. SLIDE CLAMP NUT (1) OVER CABLE AS SHOWN IN A. SLIDE COMPRESSION WASHER (2) OVER BRAID & SEAT AGAINST JACKET. FLAIR BRAID OVER COMPRESSION WASHER (2).
- 2. SLIDE BRAID CLAMP (3) OVER DIELECTRIC & UNDER BRAID. PUSH INTO WASHER UNTIL IT STOPS. STRIP CABLE AS SHOWN IN B. TRIM EXCESS BRAID FLUSH WITH SURFACE OF COMPRESSION WASHER (2). INSERT INSULATOR (4) OVER DIELECTRIC WITH CENTER CONDUCTOR PROTRUDING THROUGH HOLE.
- 3. SOLDER CONTACT (5) TO CENTER CONDUCTOR. INSERT CABLE ASSEMBLY INTO BODY & TIGHTEN.



DWG TITLE

PE4272

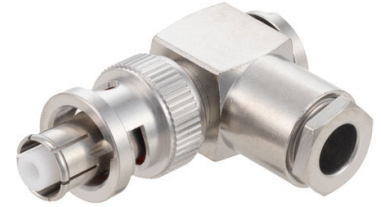
NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES (mm).
4. FITS MIL-C-17 AND EQUIVALENT CABLES.

REV. - FSCM NO. 53919 CAD FILE 042309 SCALE N/A SIZE A 2233



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

## SHV Plug Right Angle Connector Clamp/ Solder Attachment for RG59B/U



### PE45850

#### Configuration

- SHV Plug Connector
- MIL-STD-348A
- 50 Ohms
- Right Angle Body Geometry
- Connector Interface Types: RG59B/U
- 7/16 Inch Hex

#### Features

- Max. Operating Frequency 300 MHz
- Gold over Nickel over copper Plated Brass Contact

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE45850 Right Angle, SHV, Standard, Connector is part of our full line of RF components available for same-day shipping. Our SHV plug connector operates up to a maximum frequency of 300 MHz. Its right angle body geometry allows for easier connections in tight spaces.

Our SHV plug right angle connector PE45850 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      |         | 300     | MHz   |
| Operating Voltage (AC)               |         |         | 3,500   | Vrms  |
| Dielectric Withstanding Voltage (AC) |         |         | 5,000   | Vrms  |
| Inner Conductor DC Resistance        |         |         | 2       | mOhms |
| Outer Conductor DC Resistance        |         |         | 1.5     | mOhms |
| Insulation Resistance                | 5,000   |         |         | MOhms |
| Impedance                            |         | 50      |         | Ohms  |

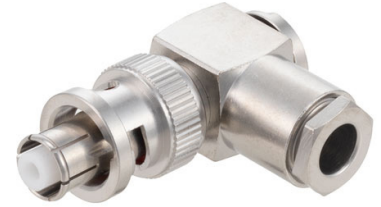
#### Mechanical Specifications

##### Size

|        |                     |
|--------|---------------------|
| Length | 0.92 in [23.37 mm]  |
| Width  | 0.57 in [14.48 mm]  |
| Height | 1.48 in [37.59 mm]  |
| Weight | 0.048 lbs [21.77 g] |

## SHV Plug Right Angle Connector Clamp/ Solder Attachment for RG59B/U

**PE45850**



### Material Specifications

| Description       | Material | Plating                      |
|-------------------|----------|------------------------------|
| Contact           | Brass    | Gold over Nickel over copper |
| Contact Spring    |          | Tinned Copper                |
| Insulation        | Teflon   |                              |
| Body              | Brass    | Tinned Copper                |
| Coupling Nut      | Brass    | Tinned Copper                |
| Gasket            | Silicon  |                              |
| Crimp Sleeve      | Brass    | Tinned Copper                |
| Washer            | Brass    | Tinned Copper                |
| BNC3200B-0058-9/W |          |                              |

### Environmental Specifications

#### Temperature

Operating Range

Thermal Shock

-65 to +165 deg C

MIL-STD-202, Method 107, Condition B

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

### Plotted and Other Data

Notes:

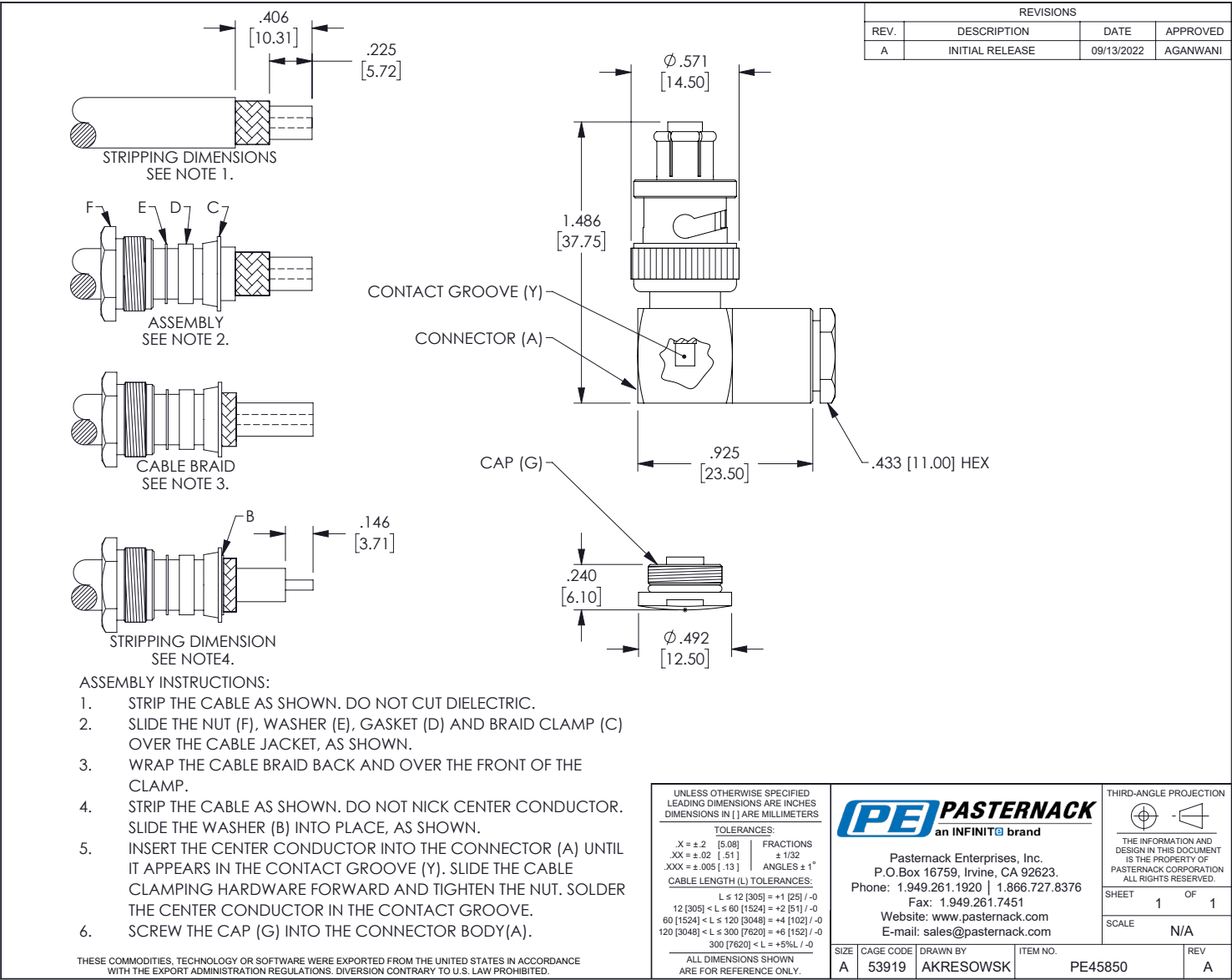
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Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SHV Plug Right Angle Connector Clamp/Solder Attachment for RG59B/U PE45850](#)

URL: <https://www.pasternack.com/shv-plug-rg59b-u-connector-pe45850-p.aspx>

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PE45850 CAD Drawing
SHV Plug Right Angle Connector Clamp/Solder Attachment for RG59B/U



## 75 Ohm Flexible RG59 Coax Cable Single Shielded with Black PVC (NC) Jacket

### RF Cables Technical Data Sheet

RG59B/U

#### Configuration

- Flexible Cable
- 1 Shield(s)

#### Electrical Specifications

| Description             | Minimum | Typical      | Maximum | Units        |
|-------------------------|---------|--------------|---------|--------------|
| Frequency Range         | DC      |              | 1,000   | MHz          |
| Impedance               |         | 75.3         |         | Ohms         |
| Velocity of Propagation |         | 66           |         | %            |
| Operating Voltage (AC)  |         |              | 2,300   | Vrms         |
| Nominal Capacitance     |         | 20.4 [66.93] |         | pF/ft [pF/m] |

#### Performance by Frequency Band

| Description      | F1   | F2    | F3    | F4    | F5    | Units    |
|------------------|------|-------|-------|-------|-------|----------|
| Frequency        | 100  | 200   | 550   | 800   | 1,000 | MHz      |
| Attenuation, Max | 3.81 | 5.37  | 9.18  | 11.21 | 12.68 | dB/100ft |
|                  | 12.5 | 17.62 | 30.12 | 36.78 | 41.6  | dB/100m  |

#### Mechanical Specifications

|          |                          |
|----------|--------------------------|
| Diameter | 0.242 in [6.15 mm]       |
| Weight   | 0.039 lbs/ft [0.06 Kg/m] |

#### Construction Specifications

| Description     | Material and Plating           | Diameter         |
|-----------------|--------------------------------|------------------|
| Inner Conductor | Copper Clad Steel <sup>1</sup> | 0.022 in 0.56 mm |
| Conductor Type  | Solid                          |                  |
| Dielectric      | PE                             | 0.146 in 3.71 mm |
| First Shield    | Copper Braid                   | 0.165 in 4.19 mm |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm Flexible RG59 Coax Cable Single Shielded with Black PVC \(NC\) Jacket RG59B/U](#)

## 75 Ohm Flexible RG59 Coax Cable Single Shielded with Black PVC (NC) Jacket

### RF Cables Technical Data Sheet

**RG59B/U**

|        |                 |                    |
|--------|-----------------|--------------------|
| Jacket | PVC (NC), Black | 0.242 in [6.15 mm] |
|--------|-----------------|--------------------|

#### Environmental Specifications

##### Temperature

Operating Range

-25 to +70 deg C

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

#### Plotted and Other Data

Notes:

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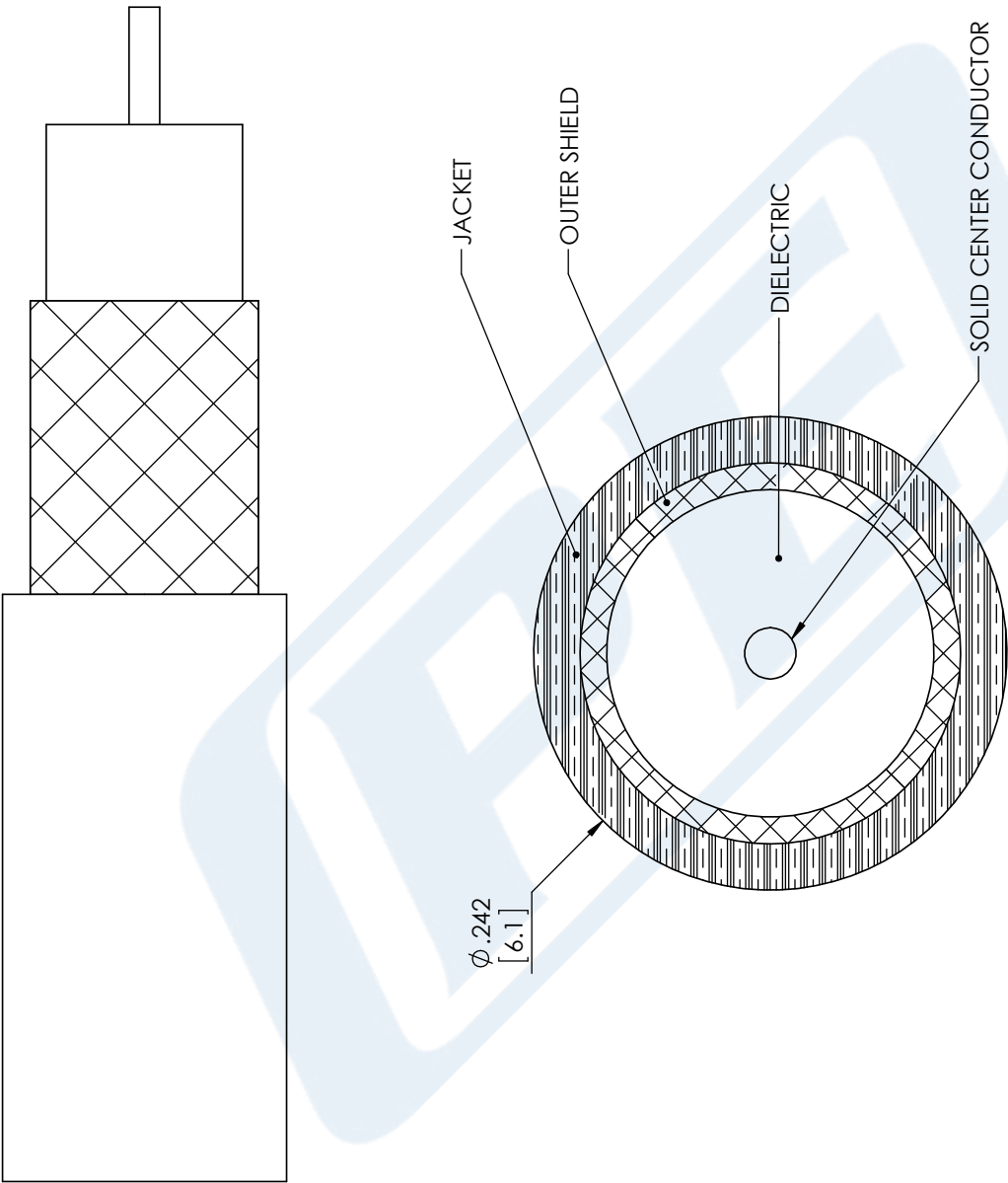
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm Flexible RG59 Coax Cable Single Shielded with Black PVC \(NC\) Jacket RG59B/U](#)

URL: <https://www.pasternack.com/flexible-0.242-rg59-75-ohm-coax-cable-pvc-jacket-rg59b-u-p.aspx>

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RG59B/U CAD Drawing

75 Ohm Flexible RG59 Coax Cable Single Shielded with Black PVC (NC) Jacket



STANDARD TOLERANCES

.X  $\pm 0.2$   
.XX  $\pm 0.01$   
.XXX  $\pm 0.005$

\*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](http://www.pasternack.com) | E-Mail: [sales@pasternack.com](mailto:sales@pasternack.com)

DWG TITLE

RG59B/U

CAGE CODE 53919

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CAD FILE 11/28/17

SCALE N/A

SIZE A

CN2245