

## 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**



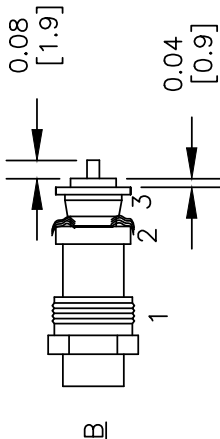
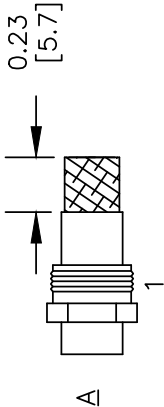
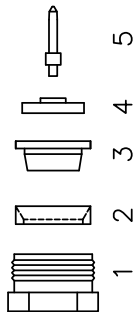
75 Ohm SMB Jack Connector Clamp/Solder Attachment for RG59B/U, RG62 from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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>

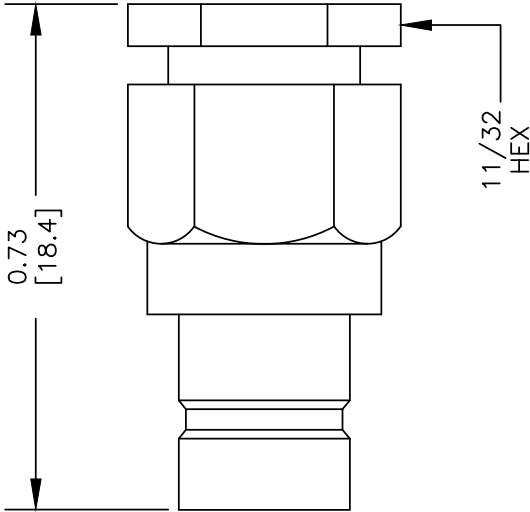
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PE4272 CAD Drawing
75 Ohm SMB Jack Connector Clamp/Solder Attachment for RG59B/U, RG62



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



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## 75 Ohm F Male Connector Crimp/Solder Attachment for RG59B/U, RG62, RG71



### PE44316

#### Configuration

- F Male Connector
- 75 Ohms
- Straight Body Geometry
- Connector Interface Types: RG59B/U, RG62, RG71
- 7/16 inch Hex

#### Features

- Max. Operating Frequency 1 GHz
- Nickel Plated Brass Contact
- 100 µin minimum contact plating

#### Applications

- General Purpose Test
- Custom Cable Assemblies
- CATV

#### Description

Pasternack's PE44316 type F , F, Standard, Connector is part of our full line of RF components available for same-day shipping. Our type F male connector operates up to a maximum frequency of 1 GHz.

Our 75 ohm type F male connector PE44316 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		1,000	MHz
Impedance		75		Ohms

#### Mechanical Specifications

##### Size

Length	0.764 in [19.41 mm]
Width	0.433 in [11.00 mm]
Height	0 in [0 mm]
Weight	0.013 lbs [5.9 g]
Mating Torque	12 to 15 in-lbs [[1.36 to 1.70 Nm]]

#### Material Specifications

Description	Material	Plating
Contact	Brass	Nickel 100 µin minimum
Body	Brass	Nickel 100 µin minimum
Coupling Nut	Brass	Nickel 100 µin minimum

## 75 Ohm F Male Connector Crimp/Solder Attachment for RG59B/U, RG62, RG71



**PE44316**

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### Environmental Specifications

**Temperature**

Operating Range

-65 to +165 deg C

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

### Plotted and Other Data

Notes:

75 Ohm F Male Connector Crimp/Solder Attachment for RG59B/U, RG62, RG71 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.

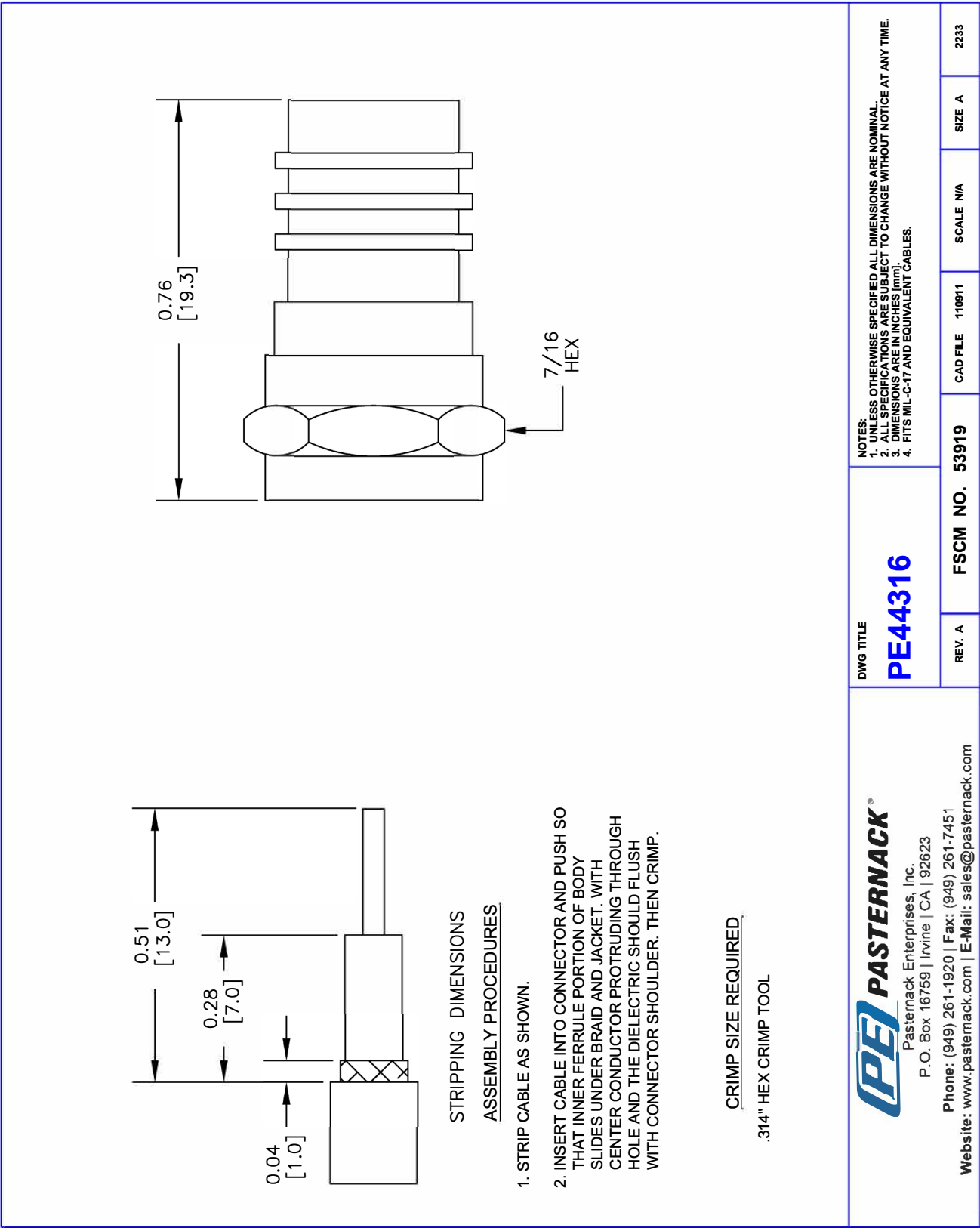
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm F Male Connector Crimp/Solder Attachment for RG59B/U, RG62, RG71 PE44316](#)

URL: <https://www.pasternack.com/f-male-rg59b-u-rg62-rg71-connector-pe44316-p.aspx>

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PE44316 CAD Drawing

75 Ohm F Male Connector Crimp/Solder Attachment for RG59B/U, RG62, RG71



DWG TITLE		NOTES:	
PE44316		1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.	
REV. A		2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.	
FSCM NO. 53919		3. DIMENSIONS ARE IN INCHES (mm).	
CAD FILE 110911		4. FITS MIL-C-17 AND EQUIVALENT CABLES.	
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2233			

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## 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 Steel1	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]
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#### Environmental Specifications

##### Temperature

Operating Range

-25 to +70 deg C

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

#### Plotted and Other Data

Notes:

75 Ohm Flexible RG59 Coax Cable Single Shielded with Black PVC (NC) Jacket 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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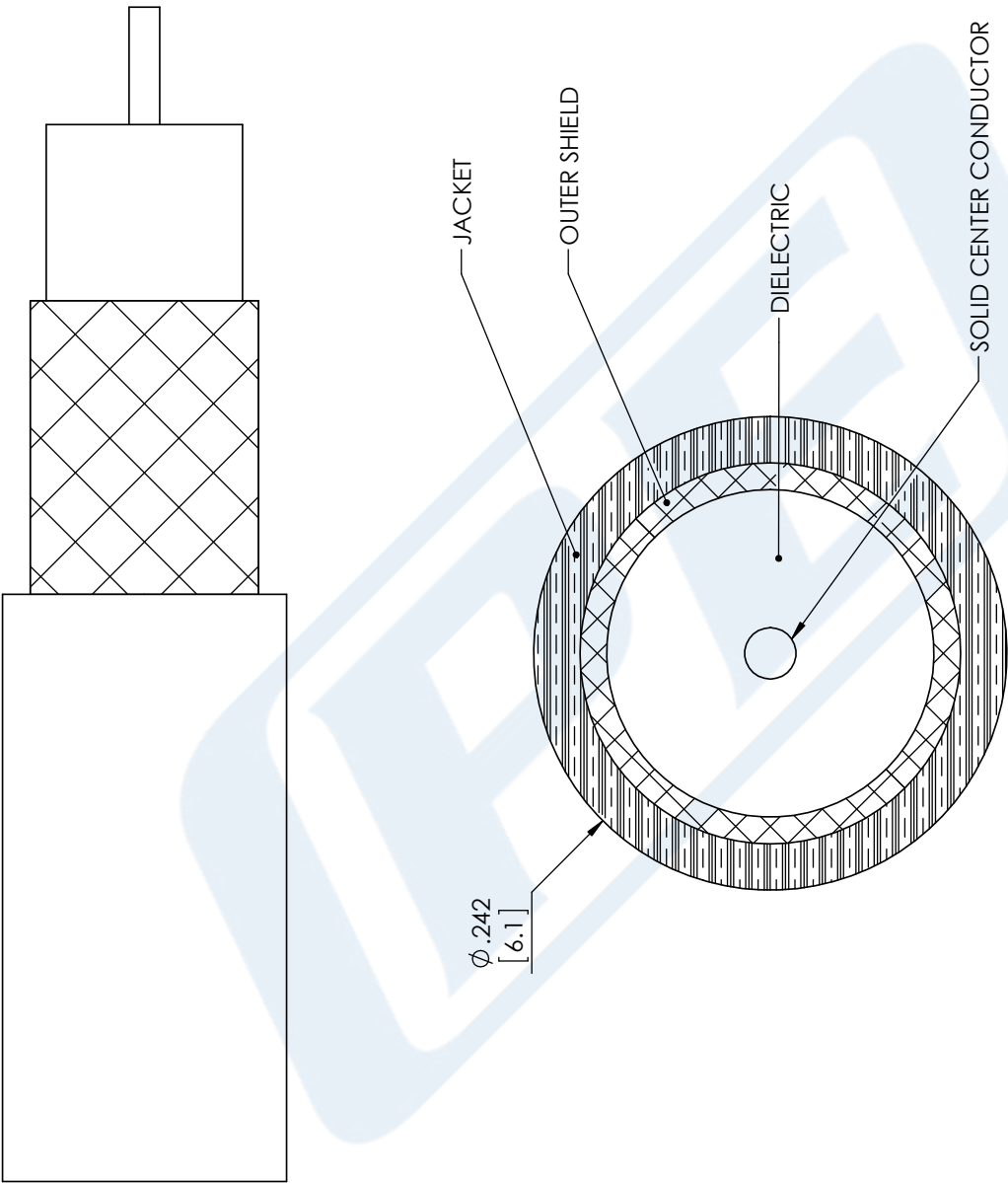
URL: <https://www.pasternack.com/flexible-0.242-rg59-75-ohm-coax-cable-pvc-jacket-rg59b-u-p.aspx>

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RG59B/U CAD Drawing

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



STANDARD TOLERANCES

.X ±0.2  
.XX ±0.01  
.XXX ±0.005

\*STANDARD TOLERANCES APPLY  
ONLY TO DIMENSIONS IN INCHES



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DWG TITLE

RG59B/U

CAGE CODE 53919

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CAD FILE 11/28/17

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