

## SHV Jack Bulkhead Mount Connector Crimp/ Solder Attachment for RG59B/U

**PE4585**



### Configuration

- SHV Jack Connector
- MIL-STD-348B
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: RG59B/U
- Bulkhead
- 7/16 Inch Hex

### Features

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

### Applications

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

### Description

Pasternack's PE45857 , SHV, Standard, Connector is part of our full line of RF components available for same-day shipping. Our SHV jack connector operates up to a maximum frequency of 300 MHz. This SHV 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 SHV jack bulkhead connector PE45857 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
Impedance	50			Ohms

### Mechanical Specifications

#### Size

Length	1.94 in [49.28 mm]
Width	0.68 in [17.27 mm]
Height	0.68 in [17.27 mm]
Weight	0.048 lbs [21.77 g]

## SHV Jack Bulkhead Mount Connector Crimp/ Solder Attachment for RG59B/U



**PE45857**

### Material Specifications

Description	Material	Plating
Contact	Brass	Gold over Nickel over copper
Insulation	Teflon	
Body	Brass	Tinned Copper
Coupling Nut	Brass	Tinned Copper
Gasket	Silicon	
Crimp Sleeve	Brass	Tinned Copper
Washer	Brass	Tinned Copper BNC8105-6/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:

SHV Jack Bulkhead Mount Connector Crimp/Solder Attachment for RG59B/U 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.

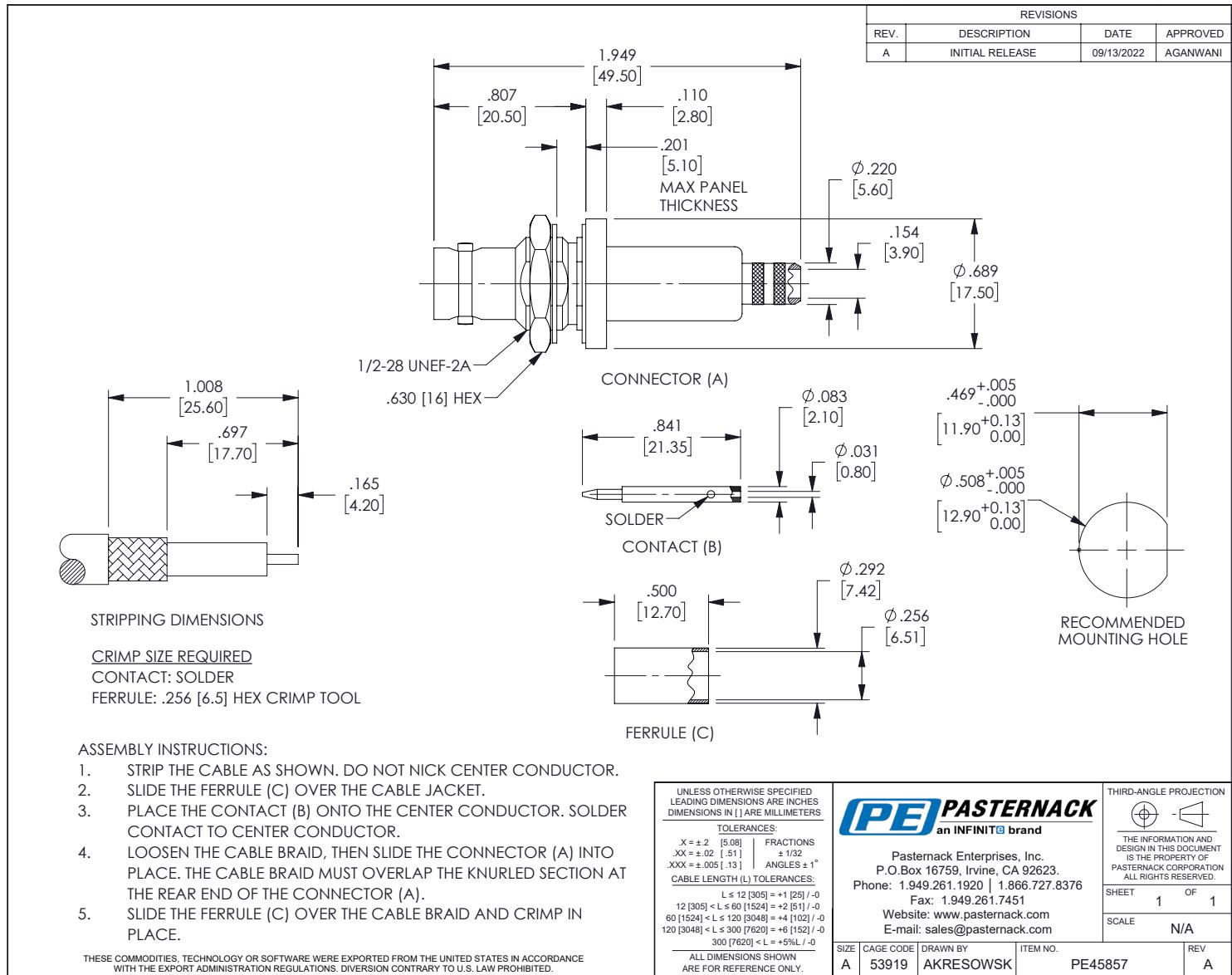
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SHV Jack Bulkhead Mount Connector Crimp/Solder Attachment for RG59B/U PE45857](#)

URL: <https://www.pasternack.com/shv-jack-rg59b-u-connector-pe45857-p.aspx>

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# PE45857 CAD Drawing

SHV Jack Bulkhead Mount Connector Crimp/Solder Attachment for RG59B/U



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



### PE45847

#### Configuration

- SHV Plug Connector
- MIL-STD-348B
- 50 Ohms
- Right Angle Body Geometry
- Connector Interface Types: RG59B/U

#### Features

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

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE45847 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 PE45847 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	50,000			MOhms
Impedance		50		Ohms

#### Mechanical Specifications

Size	
Length	1.01 in [25.65 mm]
Width	0.57 in [14.48 mm]
Height	1.48 in [37.59 mm]
Weight	0.062 lbs [28.12 g]

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



### PE45847

#### 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	Silicone	
Crimp Sleeve	Brass	Tinned Copper
Washer	Brass	Tinned Copper BNC3100-4/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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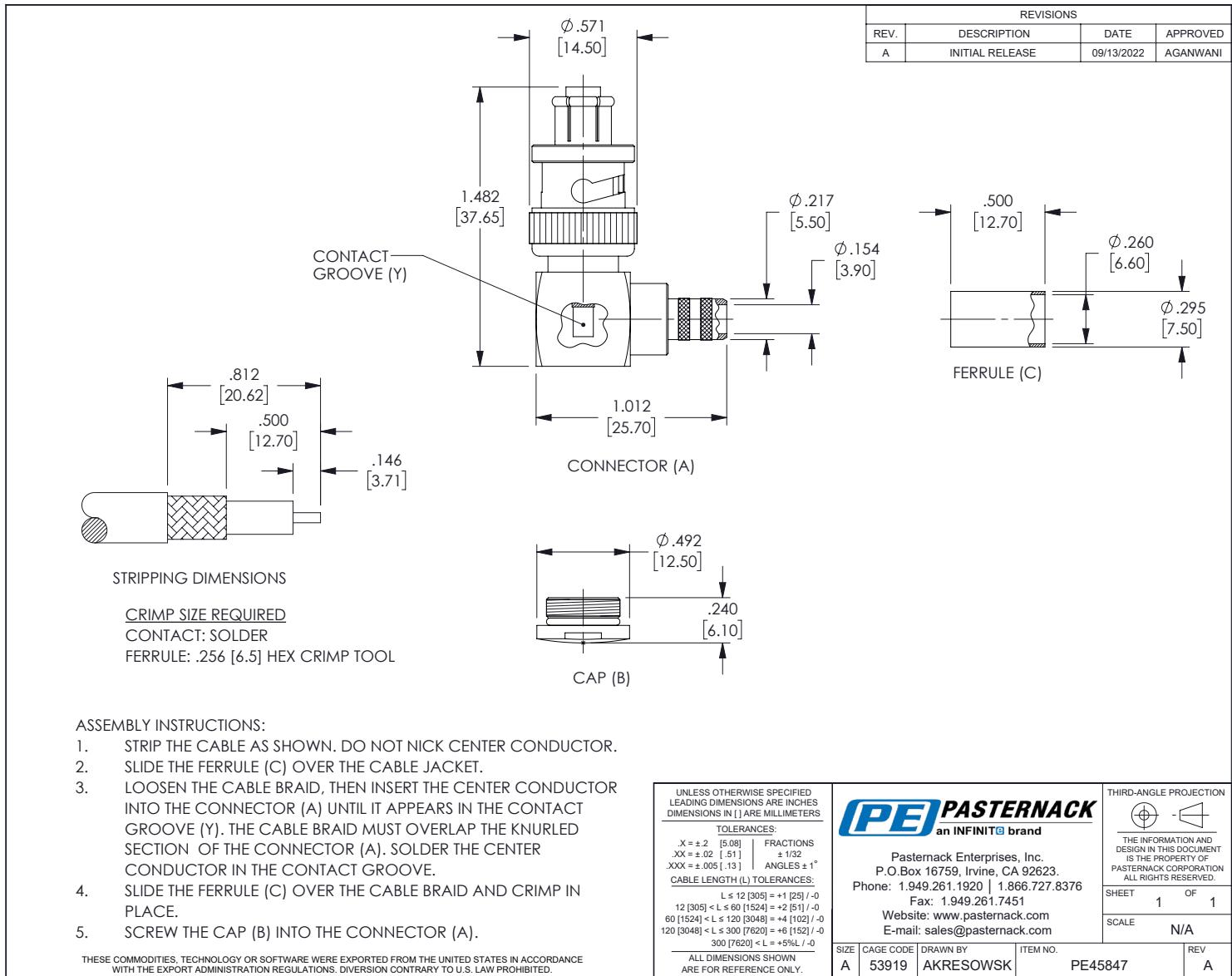
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# PE45847 CAD Drawing

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



### ASSEMBLY INSTRUCTIONS:

1. STRIP THE CABLE AS SHOWN. DO NOT NICK CENTER CONDUCTOR.
2. SLIDE THE FERRULE (C) OVER THE CABLE JACKET.
3. LOOSEN THE CABLE BRAID, THEN INSERT THE CENTER CONDUCTOR INTO THE CONNECTOR (A) UNTIL IT APPEARS IN THE CONTACT GROOVE (Y). THE CABLE BRAID MUST OVERLAP THE KNULED SECTION OF THE CONNECTOR (A). SOLDER THE CENTER CONDUCTOR IN THE CONTACT GROOVE.
4. SLIDE THE FERRULE (C) OVER THE CABLE BRAID AND CRIMP IN PLACE.
5. SCREW THE CAP (B) INTO THE CONNECTOR (A).

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

TOLERANCES

$.X = \pm .2$  [5.08] FRACTIONS

$.XX = \pm .02$  [.51]  $\pm 1/32$

$.XXX = \pm .005$  [.13] ANGLES  $\pm 1^\circ$

CABLE LENGTH (L) TOLERANCES:

$L \leq 12$  [305] =  $+1$  [25] / -0

$12$  [305] <  $L \leq 60$  [1524] =  $+2$  [51] / -0

$60$  [1524] <  $L \leq 120$  [3048] =  $+4$  [102] / -0

$120$  [3048] <  $L \leq 300$  [7620] =  $+6$  [152] / -0

$300$  [7620] <  $L = +5\%L$  / -0

ALL DIMENSIONS SHOWN  
ARE FOR REFERENCE ONLY.

## 93 Ohm Flexible RG62 Coax Cable Single Shielded with Black PVC Jacket

### TECHNICAL DATA SHEET

### RG62A/U

#### 93 Ohm Flexible RG62 Coax Cable Single Shielded with Black PVC Jacket

##### Configuration

Inner Conductor Material and Plating	Copper Clad Steel
Dielectric Type	PE (AS)
Shield Materials	Copper Braid
Jacket Material and Color	PVC, Black

##### Electrical Specifications

Impedance, Ohms	93
Velocity of Propagation, %	83
Maximum Operating Frequency, MHz	1000
RF Shielding, dB	45
Capacitance, pF/ft [pF/m]	14.5 [47.57]

##### Electrical Specifications by Frequency

###### Frequency 1

Frequency, MHz	10
Attenuation, dB/100ft [dB/100m]	0.9 [2.95]

###### Frequency 2

Frequency, MHz	200
Attenuation, dB/100ft [dB/100m]	3.8 [12.47]

###### Frequency 3

Frequency, MHz	1000
Attenuation, dB/100ft [dB/100m]	8.7 [28.54]

##### Mechanical Specifications

###### Temperature

Operating Range, deg C	-40 to +80
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###### Inner Conductor

Number of Strands	1
Material	Copper Clad Steel
Diameter, in [mm]	0.025 [0.64]

###### Dielectric:

Type	PE (AS)
Diameter, in [mm]	0.146 [3.71]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [93 Ohm Flexible RG62 Coax Cable Single Shielded with Black PVC Jacket RG62A/U](#)

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## 93 Ohm Flexible RG62 Coax Cable Single Shielded with Black PVC Jacket

### TECHNICAL DATA SHEET

RG62A/U

**Shield:**

Number of  
Material 1

1  
Copper Braid

**Jacket:**

Material

PVC

Diameter, in [mm]

0.242 [6.15]

Color

Black

One Time Minimum Bend Radius, in [mm]

2.5 [63.5]

Weight, lbs/ft [Kg/m]

0.038 [0.06]

**Compliance Certifications** (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

**Plotted and Other Data**

Notes:

Values at 25 °C, sea level

93 Ohm Flexible RG62 Coax Cable Single Shielded with Black PVC 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.

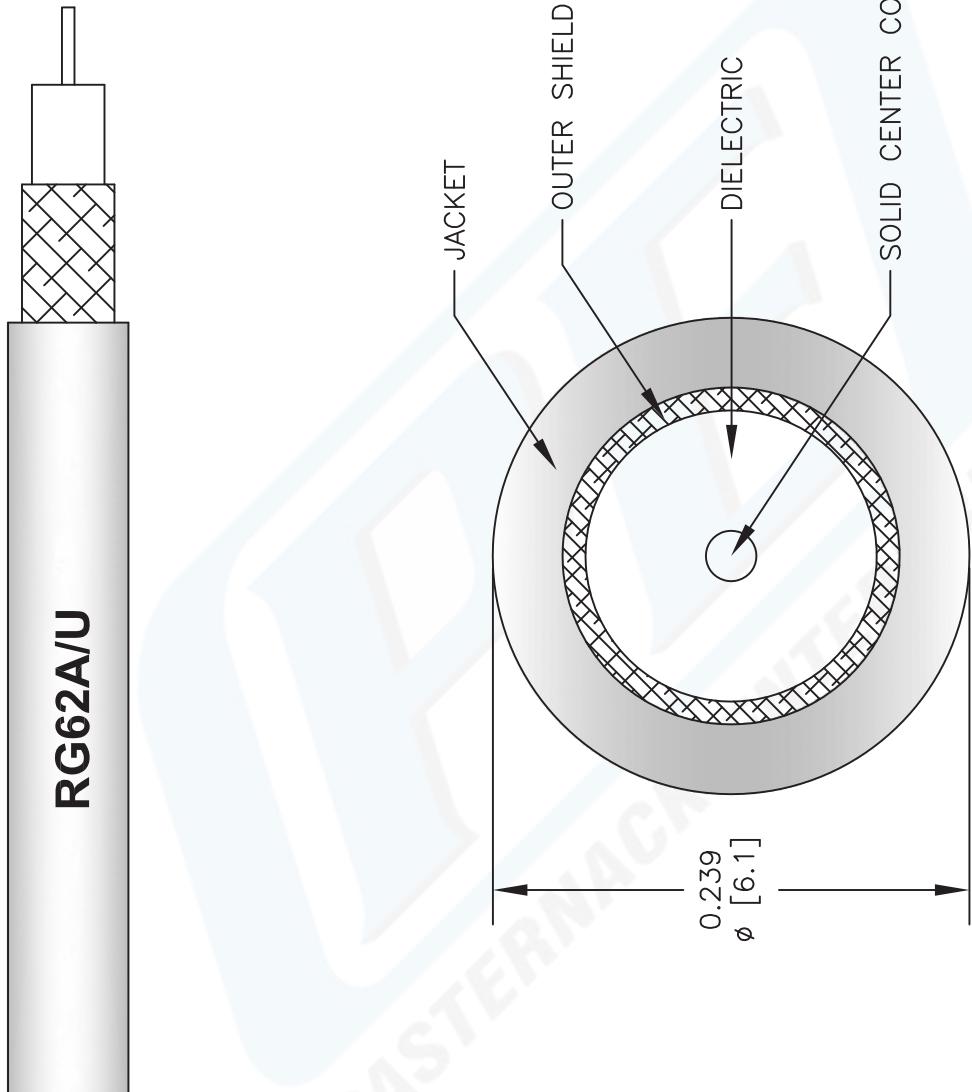
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URL: <http://www.pasternack.com/flexible-0.242-rg62-93-ohm-coax-cable-pvc-jacket-rg62a-u-p.aspx>

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# RG62A/U CAD Drawing

93 Ohm Flexible RG62 Coax Cable Single Shielded with Black PVC Jacket



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].

<b>PASTERNACK®</b> Pasternack Enterprises, Inc. P.O. Box 16759   Irvine   CA   92623 Phone: (949) 261-1920   Fax: (949) 261-7451 Website: <a href="http://www.pasternack.com">www.pasternack.com</a>   E-Mail: <a href="mailto:sales@pasternack.com">sales@pasternack.com</a>	<b>DWG TITLE</b> <b>RG62A/U</b>	<b>FSCM NO.</b> 53919	CAD FILE	121912-B	SCALE	N/A	SIZE	A	2233
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