

75 Ohm Mini SMB Plug Connector Crimp/Solder Attachment for RG59B/U, RG62, RG71



PE4994

Configuration

- Mini SMB Plug Connector
- MIL-STD-348
- 75 Ohms
- Straight Body Geometry
- Connector Interface Types: RG59B/U, RG62, RG71

Features

- Max. Operating Frequency 2 GHz
- Gold Plated Beryllium Copper Contact

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4994 , Mini SMB, Standard, Connector is part of our full line of RF components available for same-day shipping. Our Mini SMB plug connector operates up to a maximum frequency of 2 GHz.

Our 75 ohm Mini SMB plug connector PE4994 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		2	GHz
Operating Voltage (AC)			335	Vrms
Dielectric Withstanding Voltage (AC)			750	Vrms
Insulation Resistance	1,000			MOhms
Impedance		75		Ohms

Mechanical Specifications

Size

Length	1.144 in [29.06 mm]
Width	0.305 in [7.75 mm]
Height	0 in [0 mm]
Weight	0.012 lbs [5.44 g]
Mating Cycles	500 Cycles

75 Ohm Mini SMB Plug Connector Crimp/Solder Attachment for RG59B/U, RG62, RG71

PE4994



Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold
Contact Spring	Beryllium Copper	
Insulation	PTFE	
Body	Brass	Nickel
Coupling Nut	Brass	

Environmental Specifications

Temperature	
Operating Range	-65 to +165 deg C

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

Plotted and Other Data

Notes:

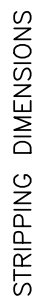
75 Ohm Mini SMB Plug Connector Crimp/Solder Attachment for RG59B/U, RG62, RG71 from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm Mini SMB Plug Connector Crimp/Solder Attachment for RG59B/U, RG62, RG71 PE4994](#)

URL: <https://www.pasternack.com/mini-smb-plug-rg59b-u-rg62-rg71-connector-pe4994-p.aspx>

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75 Ohm Mini SMB Plug Connector Crimp/Solder Attachment for RG59B/U, RG62, RG71

CRIMP SIZE REQUIRED

CONTACT: SOLDER
FERRULE: .255" HEX CRIMP TOOL



PASTERNAK®

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DWG TITLE

PE4994

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.

FSCM NO. 53919

LE 061702

SCALE N/A

SIZE A

127



75 Ohm BNC Female Connector Clamp/Solder
Attachment 4 Hole Flange Mount for RG59, RG62,
RG71, .500 inch Threaded Hole Spacing

RF Connectors Technical Data Sheet

PE4623

Configuration

- BNC Female Connector
- MIL-STD-348
- 75 Ohms
- Straight Body Geometry
- RG59, RG62, RG71 Interface Type
- Clamp/Solder Attachment
- 4 Hole Flange

Features

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

Applications

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

Description

Pasternack's PE4623 75 ohm BNC female 4 hole flange mount connector with clamp/solder attachment for RG59, RG62 and RG71 (.500 inch threaded hole spacing) is part of our full line of RF components available for same-day shipping. This BNC 4 hole flange 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 75 ohm BNC female 4 hole flange connector PE4623 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	1.12 in [28.45 mm]
Width/Dia.	0.687 in [17.45 mm]
Height	0.687 in [17.45 mm]
Weight	0.041 lbs [18.6 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm BNC Female Connector Clamp/Solder Attachment 4 Hole Flange Mount for RG59, RG62, RG71, .500 inch Threaded Hole Spacing PE4623](#)



75 Ohm BNC Female Connector Clamp/Solder
Attachment 4 Hole Flange Mount for RG59, RG62,
RG71, .500 inch Threaded Hole Spacing

RF Connectors Technical Data Sheet

PE4623

Material Specifications

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

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

Plotted and Other Data

Notes:

75 Ohm BNC Female Connector Clamp/Solder Attachment 4 Hole Flange Mount for RG59, RG62, RG71, .500 inch Threaded Hole Spacing 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.

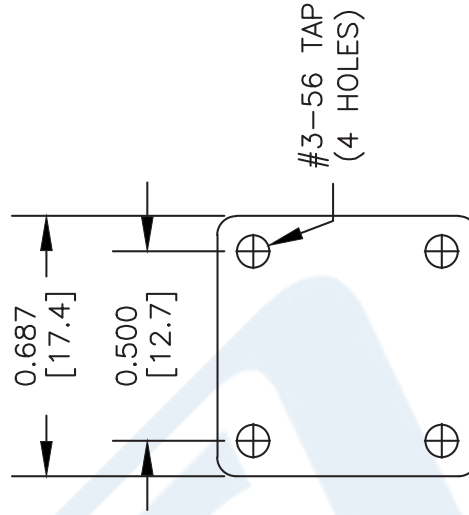
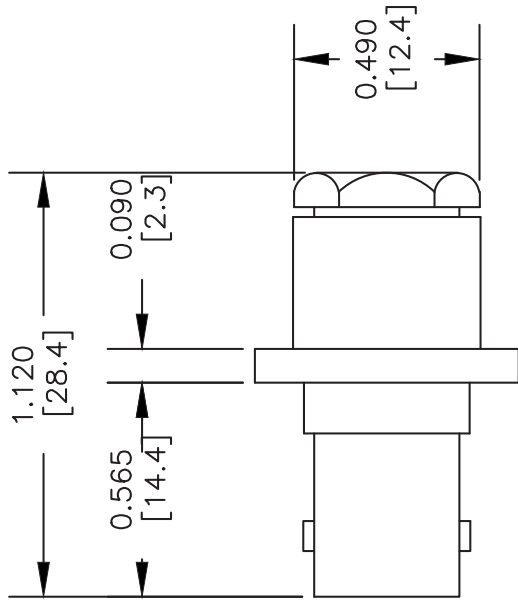
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm BNC Female Connector Clamp/Solder Attachment 4 Hole Flange Mount for RG59, RG62, RG71, .500 inch Threaded Hole Spacing PE4623](#)

URL: <https://www.pasternack.com/bnc-female-standard-rg59-connector-pe4623-p.aspx>

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PE4623 CAD Drawing

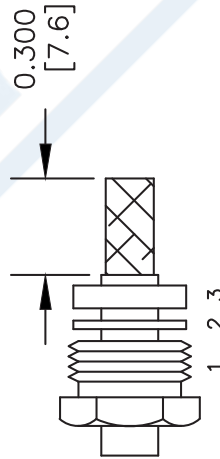
75 Ohm BNC Female Connector Clamp/Solder Attachment 4 Hole Flange
Mount for RG59, RG62, RG71, .500 inch Threaded Hole Spacing



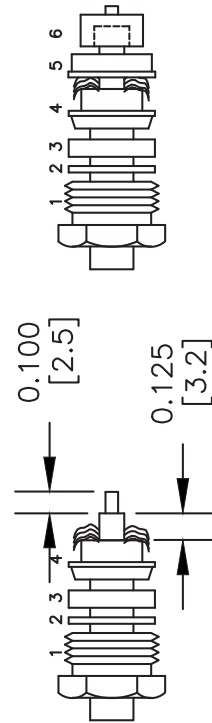
MOUNTING HOLES

ASSEMBLY PROCEDURES

1. SLIDE CLAMP NUT (1), WASHER (2) & GASKET (3) OVER CABLE. STRIP CABLE AS SHOWN. DO NOT NICK BRAID WHILE CUTTING JACKET. TAPER END OF BRAID TO PERMIT ASSEMBLY OF BRAID CLAMP (4). SLIDE BRAID CLAMP (4) OVER BRAID & SEAT AGAINST CABLE.



2. FORM BRAID OVER CLAMP NUT (4). TRIM BRAID BACK TO SHOULDER. CUT DIELECTRIC & CENTER CONDUCTOR TO DIMENSION SHOWN. DO NOT NICK CENTER CONDUCTOR. SLIDE SPACER (5) OVER DIELECTRIC. INSERT PTFE (6) OVER DIELECTRIC WITH CENTER CONDUCTOR PROTRUDING THROUGH HOLE. SOLDER CONTACT TO CENTER CONDUCTOR. REMOVE EXCESS SOLDER. DO NOT OVER HEAT DIELECTRIC. INSERT CABLE ASSEMBLY INTO BODY & TIGHTEN.



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DWG TITLE

PE4623

FSCM NO. 53919

CAD FILE

062303

SCALE

SIZE A

XXXX

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

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.

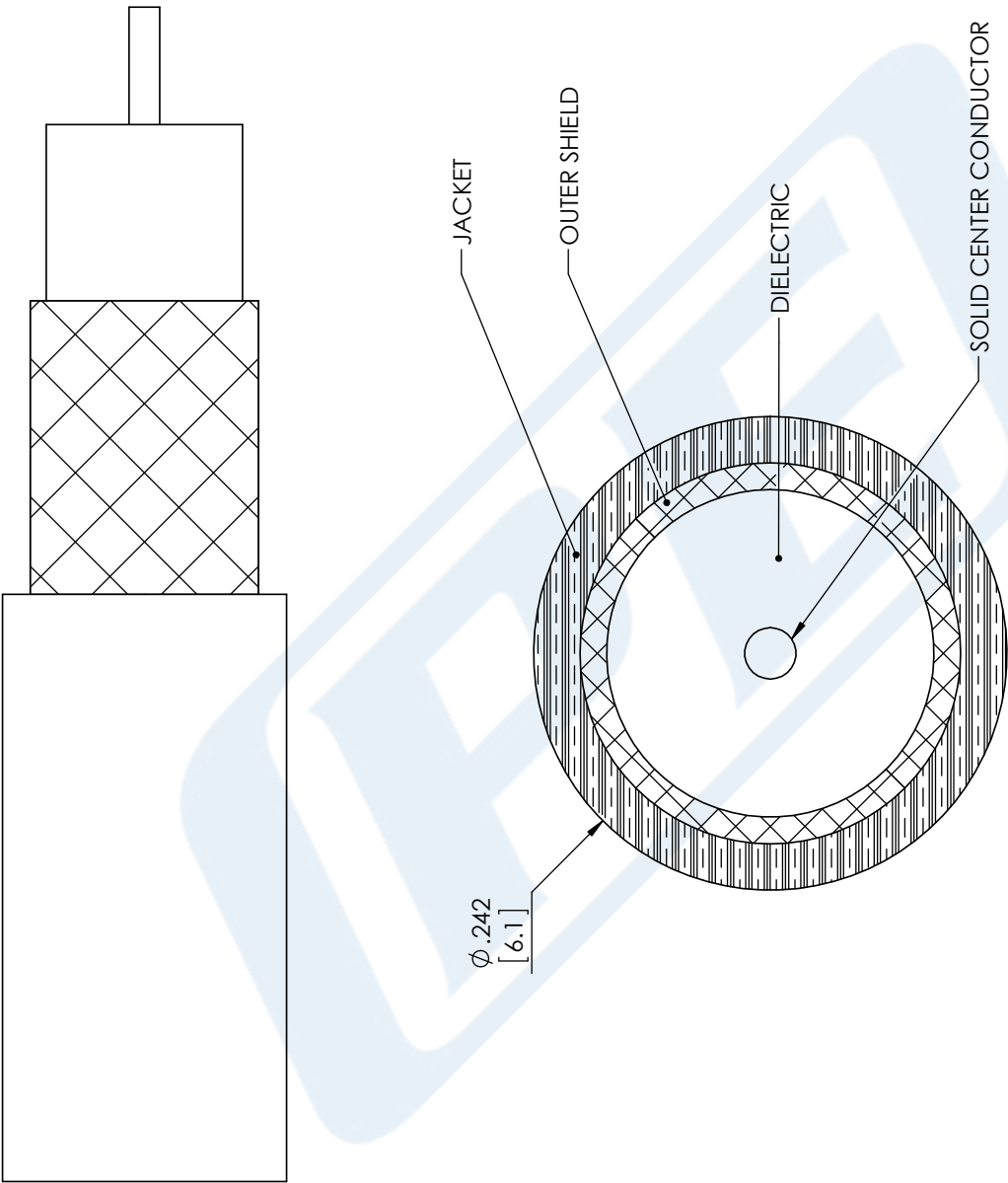
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm Flexible RG59 Coax Cable Single Shielded with Black PVC \(NC\) Jacket RG59B/U](#)

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 ±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

SCALE N/A

SIZE A

CN2245