SHV Jack Connector Crimp/Solder Attachment for RG59B/U



PE45853

Configuration

- SHV Jack Connector
- MIL-STD-348B
- 50 Ohms
- Straight 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 PE45853 SHV Jack Connector Crimp/Solder Attachment for RG59B/U Cable, 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.

Our SHV jack connector PE45853 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	1.82 in [46.23 mm]
Width	0.43 in [10.92 mm]
Height	0.43 in [10.92 mm]
Weight	0.048 lbs [21.77 g]

Material Specifications

Description	Material	Plating
Contact	Brass	Gold over Nickel over Copper
Insulation	Teflon	
Body	Brass	Tinned Copper
Crimp Sleeve	Brass	Tinned Copper

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SHV Jack Connector Crimp/Solder Attachment for RG59B/U



PE45853

Environmental Specifications

Temperature

Operating Range	-65 to +165 deg C
Thermal Shock	MIL-STD-202, Method 107, Condition B

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

SHV Jack 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 Connector Crimp/Solder Attachment for RG59B/U PE45853

URL: https://www.pasternack.com/shv-jack-rg59b-u-connector-pe45853.html

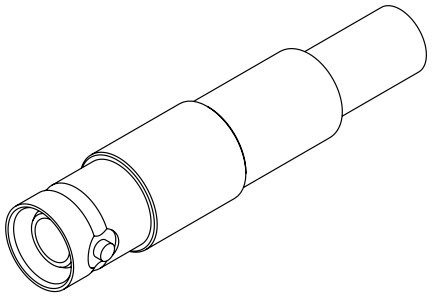
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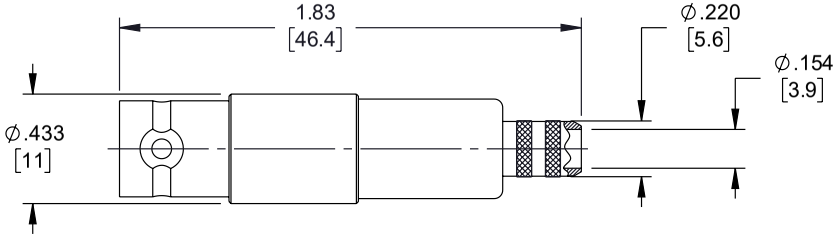
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PE45853 CAD Drawing

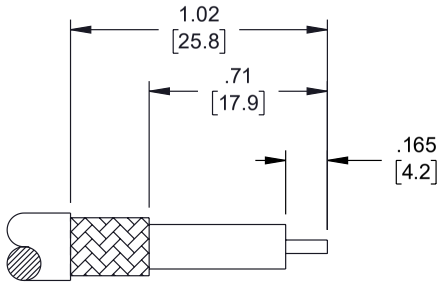
SHV Jack Connector Crimp/Solder Attachment for RG59B/U

REVISION					
ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	B	ECO-13896	11/14/2024	KGLEBOVA	SRAUTUS

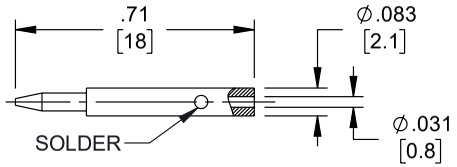




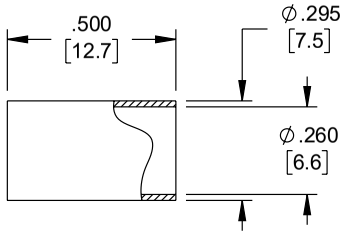
CONNECTOR (A)



STRIPPING DIMENSIONS



CONTACT (B)



FERRULE (C)

CRIMP SIZE REQUIRED
CONTACT: SOLDER
FERRULE: .256 [6.5] HEX CRIMP TOOL

ASSEMBLY INSTRUCTIONS:

1. STRIP THE CABLE AS SHOWN. DO NOT NICK CENTER CONDUCTOR.
2. SLIDE THE FERRULE (C) OVER THE CABLE JACKET.
3. PLACE THE CONTACT (B) ONTO THE CENTER CONDUCTOR. SOLDER CONTACT TO CENTER CONDUCTOR.
4. LOOSEN THE CABLE BRAID, THEN SLIDE THE CONNECTOR (A) INTO PLACE. THE CABLE BRAID MUST OVERLAP THE KNURLED SECTION AT THE REAR END OF THE CONNECTOR (A).
5. SLIDE THE FERRULE (C) OVER THE CABLE BRAID AND CRIMP IN PLACE.

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

TOLERANCES:

.X = ±.2 [5]
.XX = ±.02 [0.5]
.XXX = ±.005 [0.13]
FRACTIONS ± 1/32
ANGLES ± 1°

CABLE LENGTH TOLERANCES:

≤12 [305] = +1 [25] / -0
>12 [305] ≤ 60 [1524] = +2 [51] / -0
>60 [1524] ≤ 120 [3048] = +4 [102] / -0
>120 [3048] ≤ 300 [7620] = +6 [152] / -0
>300 [7620] = +5% / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE.
UN-DIMENSIONED/NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION
COLORS MAY VARY

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SCALE	SHEET
NONE	1 OF 1

DESCRIPTION: SHV JACK CRIMP FOR RG59

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	53919	AKRESOWSK	PE45853	B

PE DS Rev-D4 Asize

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MHV Jack Connector Clamp/Solder Attachment for RG59, RG62, RG71



PE51261

Configuration

- MHV Jack Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: RG59, RG62, RG71

Features

- Max. Operating Frequency 300 MHz
- Gold Plated Phosphor Bronze Contact
- 4 µin Minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE51261 , MHV, Standard, Connector is part of our full line of RF components available for same-day shipping. Our MHV jack connector operates up to a maximum frequency of 300 MHz.

Our MHV jack connector PE51261 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)			1,600	Vrms
Dielectric Withstanding Voltage (AC)			5,000	Vrms
Inner Conductor DC Resistance			2	mOhms
Outer Conductor DC Resistance			1	mOhms
Insulation Resistance	5,000			MOhms
Impedance		50		Ohms

Mechanical Specifications

Size

Length	1.456693 in [37 mm]
Width	0.433071 in [11 mm]
Height	0.433071 in [11 mm]
Weight	0.0463 lbs [21 g]
Mating Cycles	500 Cycles
Mating Torque	0.6 to 2.5 in-lbs [[0.07 to 0.28 Nm]]
Cable Retention Force	101 lbs [45.81 kg]

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MHV Jack Connector Clamp/Solder Attachment for RG59, RG62, RG71



PE51261

Material Specifications

Description	Material	Plating
Contact	Phosphor Bronze	Gold 4 µin Minimum
Insulation	PTFE	
Body	Brass	Copper-Tin-Zinc Alloy 100 µin Minimum
Coupling Nut	Brass	Copper-Tin-Zinc Alloy 100 µin Minimum
Gasket	Silicone	
Washer	Brass	Copper-Tin-Zinc Alloy 100 µin Minimum

Environmental Specifications

Temperature

Operating Range	-65 to +165 deg C
Thermal Shock	MIL-STD-202, Method 107, Condition B

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

MHV Jack Connector Clamp/Solder Attachment for RG59, 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: MHV Jack Connector Clamp/Solder Attachment for RG59, RG62, RG71 PE51261

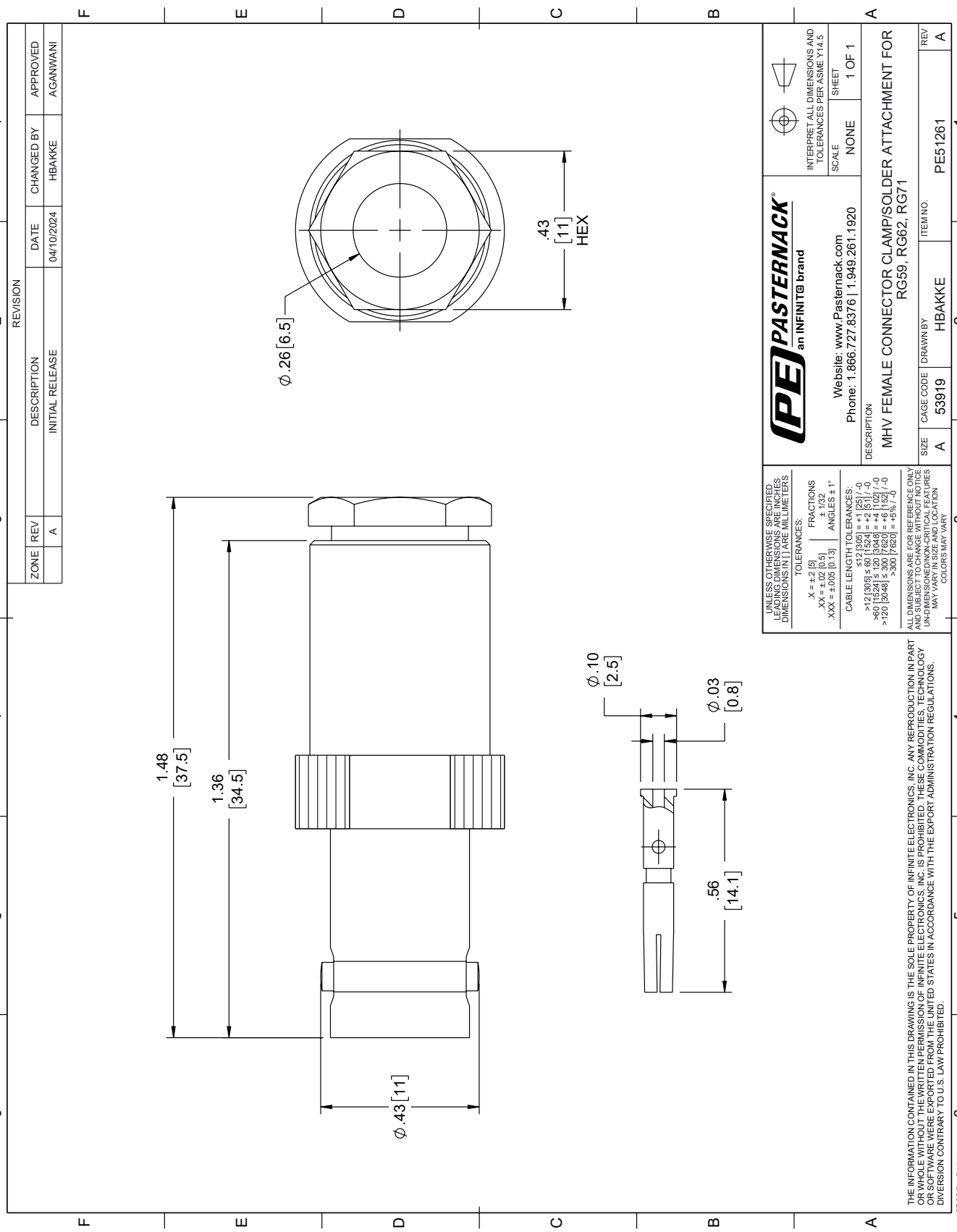
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PE51261 CAD Drawing

MHV Jack Connector Clamp/Solder Attachment for RG59, RG62, RG71



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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

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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:

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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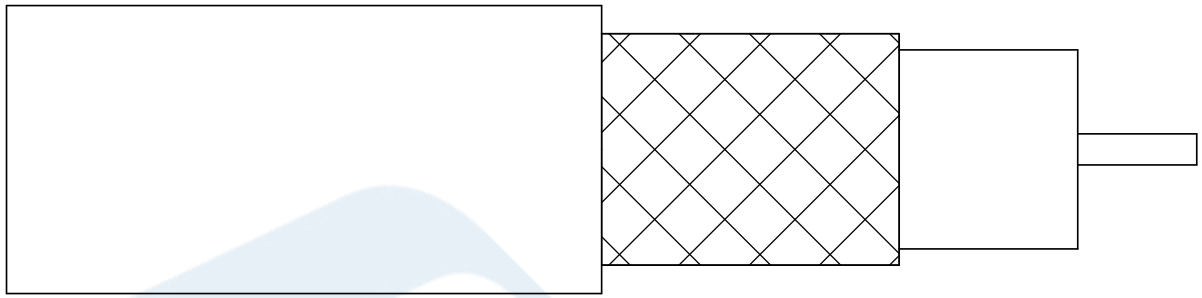
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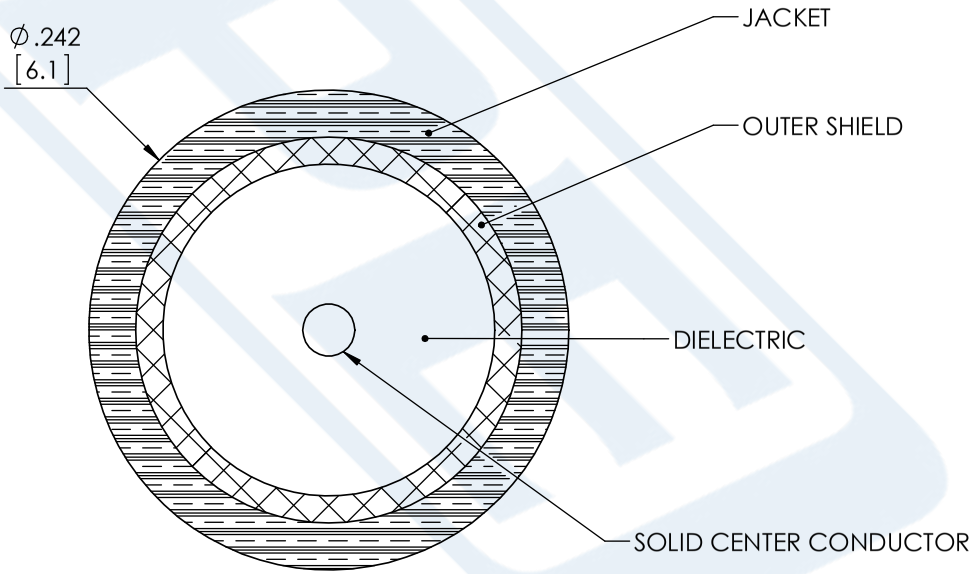
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RG59B/U CAD Drawing

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

NOTES:
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2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].

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