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SHV jack crimp for RG58,JBY195,LMR195

RF Connectors
Technical Data Sheet

PE45852

Configuration

- SHV Jack Connector
- MIL-STD-348B
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: RG58

Features

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

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE45852 SHV jack connector with clamp/solder attachment for RG58 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 PE45852 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

Mechanical Specifications

Size

Length	1.82 in [46.23 mm]
Width/Dia.	0.43 in [10.92 mm]
Height	0.43 in [10.92 mm]
Weight	0.048 lbs [21.77 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SHV jack crimp for RG58,JBY195,LMR195 PE45852

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
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SHV jack crimp for RG58,JBY195,LMR195

RF Connectors
Technical Data Sheet

PE45852

Material Specifications

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

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 crimp for RG58,JBY195,LMR195 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/shv-jack-rg58-connector-pe45852-p.aspx

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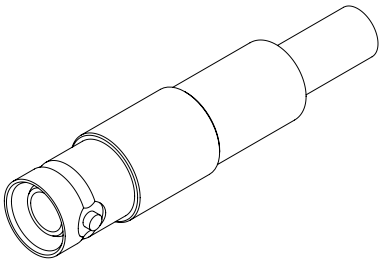
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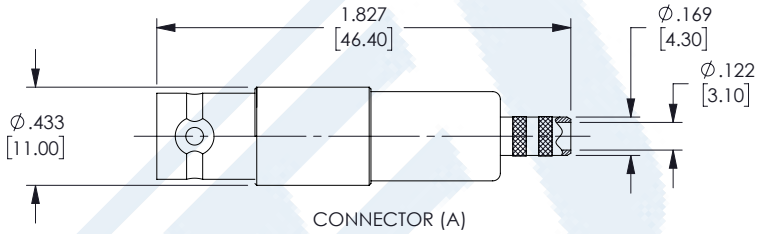
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PE45852 CAD Drawing

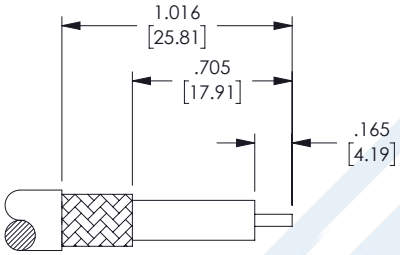
SHV jack crimp for RG58,JBY195,LMR195

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	09/13/2022	AGANWANI

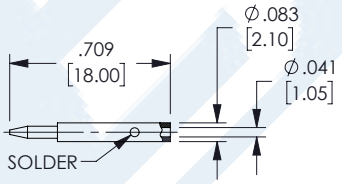




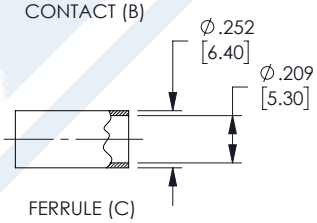
CONNECTOR (A)



STRIPPING DIMENSIONS



CONTACT (B)



FERRULE (C)

CRIMP SIZE REQUIRED
CONTACT: SOLDER
FERRULE: .217 [5.5] 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).
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DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:

.X = ±.2 [5.08] | FRACTIONS ± 1/32
.XX = ±.02 [.51] | ANGLES ± 1°
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CABLE LENGTH (L) TOLERANCES:

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

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THIRD-ANGLE PROJECTION

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SCALE: N/A

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	53919	AKRESOWSK	PE45852	A

T-Rev.D

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SHV jack crimp for RG58,JBY195,LMR195

RF Connectors
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PE45852

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RF Connectors
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PE45852

Material Specifications

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Contact	Brass	Gold over Nickel over copper
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Body	Brass	Tinned Copper
Crimp Sleeve	Brass	Tinned Copper

Environmental Specifications

Temperature

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

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Plotted and Other Data

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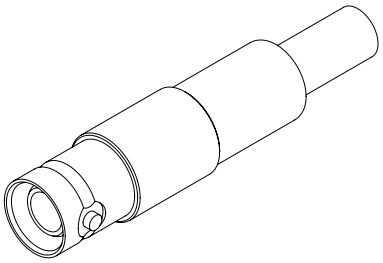
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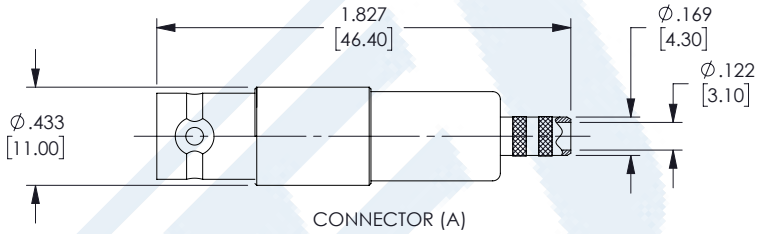
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PE45852 CAD Drawing

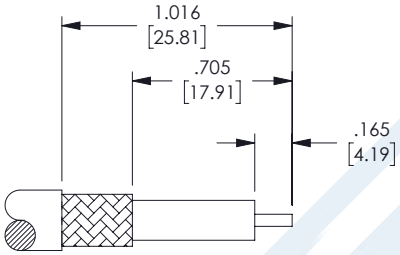
SHV jack crimp for RG58,JBY195,LMR195

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
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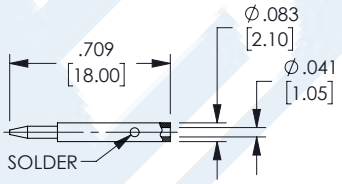




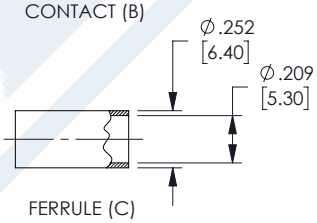
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STRIPPING DIMENSIONS



CONTACT (B)



FERRULE (C)

CRIMP SIZE REQUIRED
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FERRULE: .217 [5.5] HEX CRIMP TOOL

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

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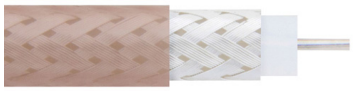
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SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	53919	AKRESOWSK	PE45852	A

T-Rev.D

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Flexible RG303 Coax Cable Single Shielded with Tan FEP Jacket

RF Cables
Technical Data Sheet

RG303/U

Configuration

- Flexible Cable
- 1 Shield(s)

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
Impedance		50		Ohms
Velocity of Propagation		69		%
Dielectric Withstanding Voltage (AC)			5,000	Vrms
Nominal Capacitance		32 [104.99]		pF/ft [pF/m]
Power@ 1GHz			650	Watts

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	400					MHz
Attenuation, Typ	8.6					dB/100ft
	28.22					dB/100m

Mechanical Specifications

Diameter	0.17 in [4.32 mm}
Weight	0.027 lbs/ft [0.04 kg/m]

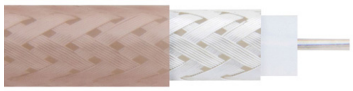
Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper Clad Steel, Silver, 1 Strand	0.037 in [0.94 mm]
Conductor Type	Solid	
Dielectric	PTFE	0.116 in [2.95 mm]
First Shield	Silver Plated Copper Braid	0.146 in [3.71 mm]

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications: Flexible RG303 Coax Cable Single Shielded with Tan FEP Jacket RG303/U

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Flexible RG303 Coax Cable Single Shielded with Tan FEP Jacket

RF Cables
Technical Data Sheet

RG303/U

Jacket	FEP, Tan	0.17 in [4.32 mm]

Environmental Specifications

Temperature

Operating Range	-55 to +200 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Flexible RG303 Coax Cable Single Shielded with Tan FEP 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: Flexible RG303 Coax Cable Single Shielded with Tan FEP Jacket RG303/U

URL: https://www.pasternack.com/flexible-0.170-rg303-50-ohm-coax-cable-fep-jacket-rg303-u-p.aspx

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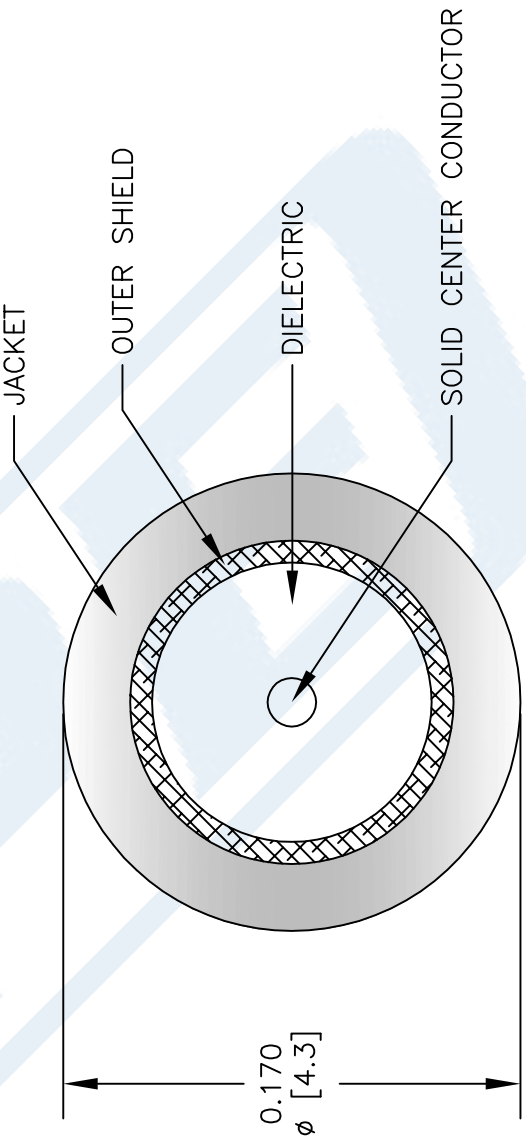
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RG303/U CAD Drawing

Flexible RG303 Coax Cable Single Shielded with Tan FEP 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].

CAD FILE	SCALE	SIZE
022908-A	N/A	A

DWG TITLE	REV.	FSCM NO.
RG303/U	A	53919

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