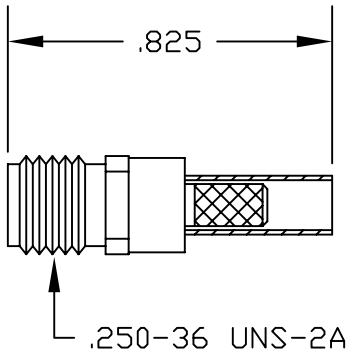
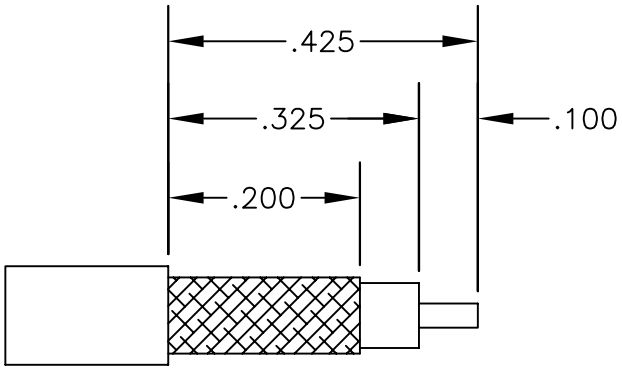
MATERIALS	
BODY	BRASS NICKEL PLATED
CONTACT	GOLD PLATED
INSULATOR	PTFE
FERRULE	GOLD PLATED





STRIPPING DIMENSIONS

CONTACT: SOLDER
FERRULE: SOLDER

PASTERNACK ENTERPRISES, INC.
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PHONE (949) 261-1920 FAX (949) 261-7451
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COAXIAL & FIBER OPTICS

DWG TITLE
PE4040

DES. SMA FEMALE SOLDER ATTACHMENT FOR RG174, RG188 & RG316

REV. -	FSCM NO. 53919	CAD FILE 042209	SCALE N/A	SIZE A	147

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.

PASTERNACK®
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Double Banana Plug Connector Crimp/ Solder Attachment for RG174, RG316, RG188, 0.100 inch, PE-B100, PE-C100, LMR-100



RF Connectors Technical Data Sheet PE44145

Configuration

- Double Banana Plug Connector
- Straight Body Geometry
- RG174, RG316, RG188, 0.100 inch, PE-B100, PE-C100, LMR-100 Interface Type
- Crimp/Solder Attachment

Features

- Nickel Plated Brass Contact

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE44145 Double Banana plug connector with crimp/solder attachment for RG174, RG316, RG188, 0.100 inch, PE-B100, PE-C100 and LMR-100 is part of our full line of RF components available for same-day shipping.

Our Double Banana plug connector PE44145 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	2.54 in [64.52 mm]
Width/Dia.	1.175 in [29.85 mm]
Height	0.65 in [16.51 mm]
Weight	0.041 lbs [18.6 g]

Material Specifications

Description	Material	Plating
Contact	Brass	Nickel
Insulation	ABS	
Body	Brass	Nickel

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Double Banana Plug Connector Crimp/Solder Attachment for RG174, RG316, RG188, 0.100 inch, PE-B100, PE-C100, LMR-100 PE44145

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Double Banana Plug Connector Crimp/ Solder Attachment for RG174, RG316, RG188, 0.100 inch, PE-B100, PE-C100, LMR-100



Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Double Banana Plug Connector Crimp/Solder Attachment for RG174, RG316, RG188, 0.100 inch, PE-B100, PE-C100, LMR-100 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: Double Banana Plug Connector Crimp/Solder Attachment for RG174, RG316, RG188, 0.100 inch, PE-B100, PE-C100, LMR-100 PE44145

URL: https://www.pasternack.com/banana-plug-standard-rg174-rg316-rg188-connector-pe44145-p.aspx

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

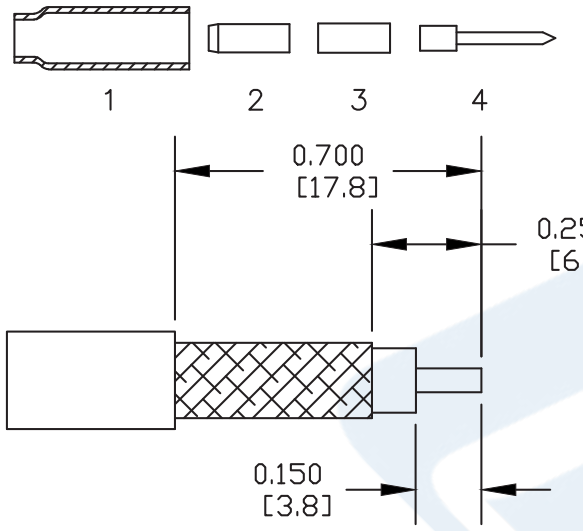
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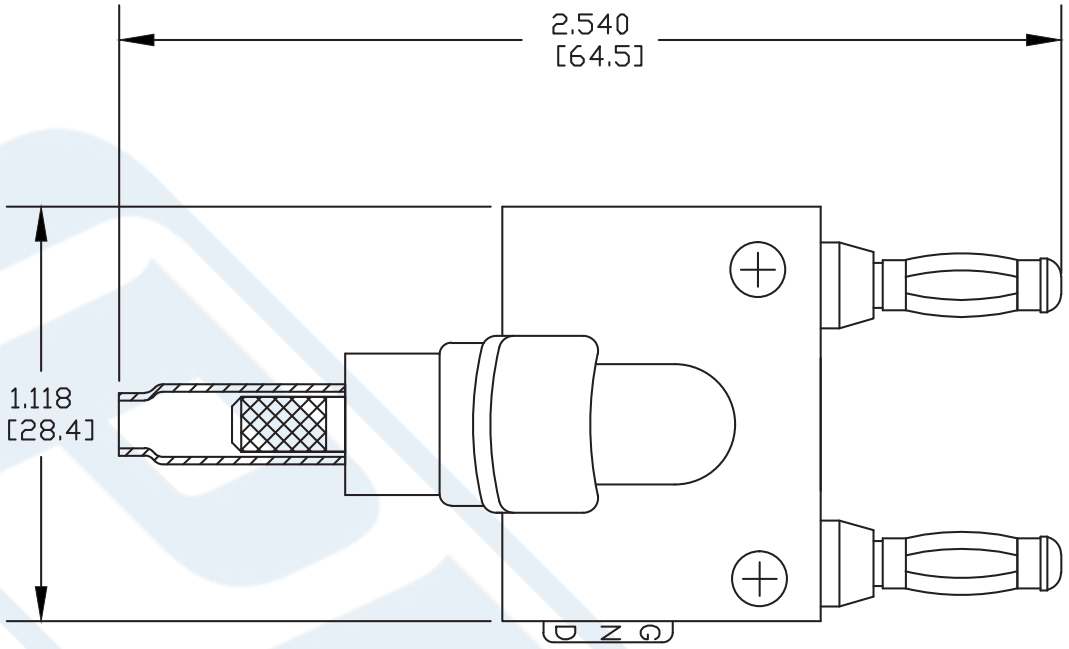
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PE44145 CAD Drawing

Double Banana Plug Connector Crimp/Solder Attachment for RG174, RG316, RG188, 0.100 inch, PE-B100, PE-C100, LMR-100



STRIPPING DIMENSIONS



ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN & SLIDE FERRULE (1) ONTO CABLE.
2. FLARE END OF CABLE BRAID & SLIDE METAL SPACER (2) & PTFE (3) SPACER OVER CABLE DIELECTRIC.
3. THE CONTACT (4) SHOULD BUTT AGAINST THE DIELECTRIC & PTFE SPACER. CRIMP CONTACT TO CABLE CENTER CONDUCTOR.
4. INSTALL CABLE ASSEMBLY INTO BODY SO THAT THE INNER FERRULE PORTION OF BODY SLIDES UNDER BRAID. PUSH CABLE ASSEMBLY FORWARD UNTIL CONTACT SITS IN PLACE. SLIDE FERRULE OVER BRAID AND UP AGAINST CONNECTOR BODY & CRIMP.

CRIMP SIZE REQUIRED

CONTACT: .068" HEX CRIMP TOOL
FERRULE: .178" HEX CRIMP TOOL

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DWG TITLE

PE44145

NOTES:
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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	CAD FILE 010406	SCALE N/A	SIZE A	127

Flexible RG174 Coax Cable Single Shielded with Black PVC Jacket

RF Cables Technical Data Sheet

RG174A/U

Configuration

- Flexible Cable
- 1 Shield(s)

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		1,000	MHz
Impedance		50		Ohms
Velocity of Propagation		66		%
Nominal Capacitance		31.08 [101.97]		pF/ft [pF/m]

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	100	400	1,000			MHz
Attenuation, Typ	8.4	27.56	32			dB/100ft
	27.56	90.42	104.99			dB/100m

Mechanical Specifications

Diameter	0.11 in [2.79 mm]
Weight	0.009 lbs/ft [0.01 Kg/m]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper Clad Steel, 7 Strands	0.019 in [0.48 mm]
Conductor Type	Stranded	
Dielectric	PE	0.06 in [1.52 mm]
First Shield	Tinned Copper Braid	0.078 in [1.98 mm]

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications: Flexible RG174 Coax Cable Single Shielded with Black PVC Jacket RG174A/U

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Flexible RG174 Coax Cable Single Shielded with Black PVC Jacket

RF Cables Technical Data Sheet RG174A/U

Jacket	PVC, Black	0.11 in [2.79 mm]

Environmental Specifications

Temperature

Operating Range	-40 to +80 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Flexible RG174 Coax Cable Single Shielded with Black PVC 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 RG174 Coax Cable Single Shielded with Black PVC Jacket RG174A/U

URL: https://www.pasternack.com/flexible-0.100-rg174-50-ohm-coax-cable-pvc-jacket-rg174a-u-p.aspx

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

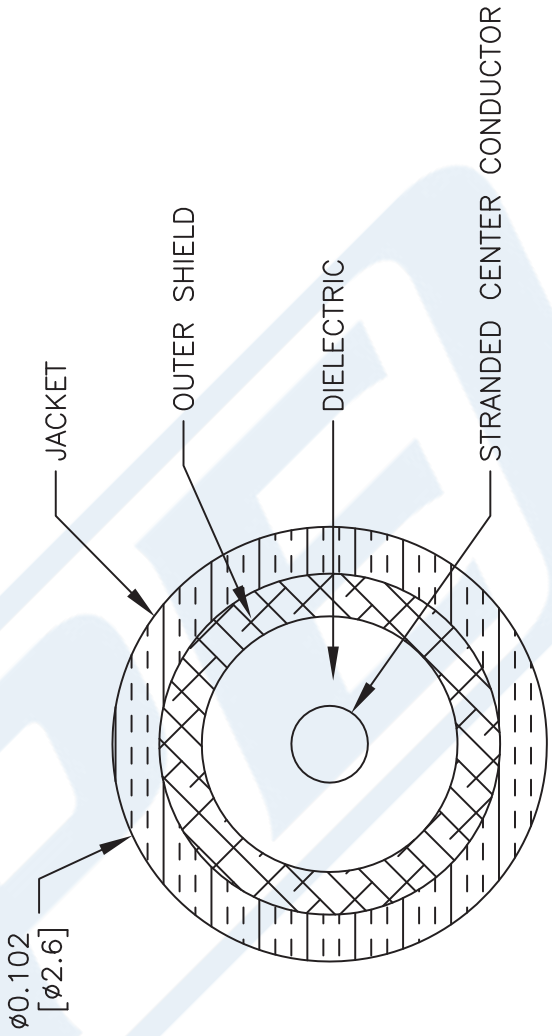
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RG174A/U CAD Drawing

Flexible RG174 Coax Cable Single Shielded with Black PVC Jacket





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CAD FILE	SCALE	SIZE
111716	N/A	A

DWG TITLE: RG174A/U

FSCM NO. 53919

41742

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