



## 1.0/2.3 Jack Bulkhead Connector Crimp/Solder Attachment For RG174, RG316, RG188, .217 inch DD Hole

### TECHNICAL DATA SHEET

PE44254

#### 1.0/2.3 Jack Bulkhead Connector Crimp/Solder Attachment For RG174, RG316, RG188, .217 inch DD Hole

##### Configuration

Connector	1.0/2.3 Jack
Connector Interface Type	RG174, RG316, RG188
Cable Attachment Method (Shield/Contact)	Crimp/Solder
Body Style	Straight
Mount Method	Bulkhead

##### Electrical Specifications

Impedance, Ohms	50
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##### Mechanical Specifications

Size	
Length, in [mm]	0.955 [24.26]
Width/Dia., in [mm]	0.275 [6.99]
Weight, lbs [g]	0.006 [2.72]

##### Connector

Type	1.0/2.3 Jack
Contact Material and Plating	Gold
Body Material and Plating	Brass, Gold
Dielectric Type	PTFE

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

RoHS Compliant	Yes
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##### Plotted and Other Data

Notes:	Values at 25 °C, sea level
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1.0/2.3 Jack Bulkhead Connector Crimp/Solder Attachment For RG174, RG316, RG188, .217 inch DD Hole 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.

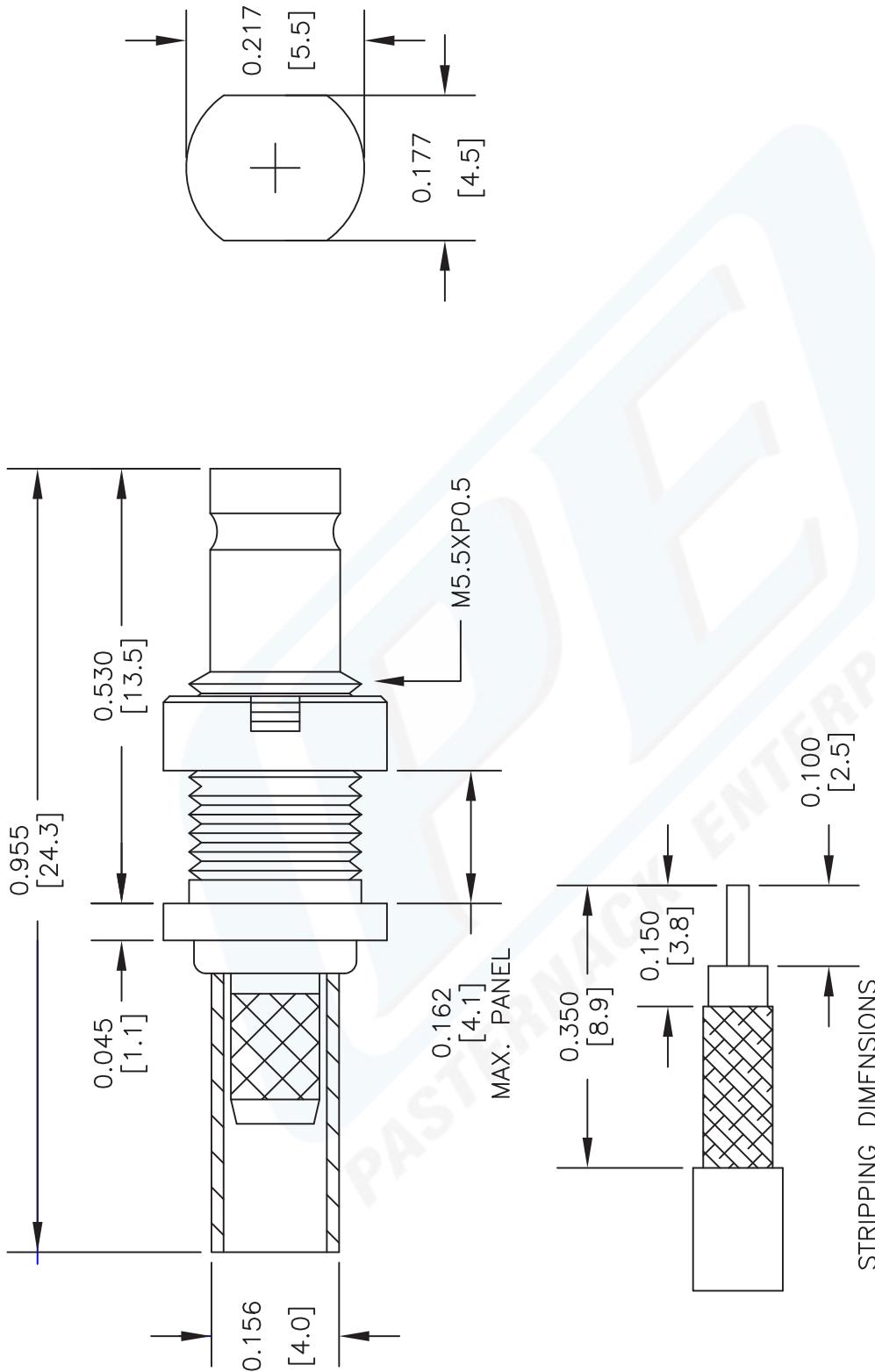
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [1.0/2.3 Jack Bulkhead Connector Crimp/Solder Attachment For RG174, RG316, RG188, .217 inch DD Hole PE44254](http://www.pasternack.com/1.0-2.3-jack-standard-rg174-rg316-rg188-connector-pe44254-p.aspx)

URL: <http://www.pasternack.com/1.0-2.3-jack-standard-rg174-rg316-rg188-connector-pe44254-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.

# PE44254 CAD Drawing

1.0/2.3 Jack Bulkhead Connector Crimp/Solder Attachment  
For RG174, RG316, RG188, .217 inch DD Hole



## CRIMP SIZE REQUIRED

CONTACT: SOLDER  
FERRULE: .128" HEX CRIMP TOOL

DWG TITLE	PE44254
FSCM NO. 53919	CAD FILE 080102 SCALE N/A SIZE A 2233

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.



## SMA Female Connector Crimp/Solder Attachment for RG316, RG174, LMR-100

### RF Connectors Technical Data Sheet

PE45137

#### Configuration

- SMA Female Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- RG316, RG174, LMR-100 Interface Type
- Crimp/Solder Attachment

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
VSWR			1.3:1	
Operating Voltage (AC)			335	Vrms

#### Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 3					GHz
VSWR, Max	1.21:1					

#### Mechanical Specifications

Size	
Length	0.591 in [15.01 mm]
Width/Dia.	0.25 in [6.35 mm]
Weight	0.013 lbs [5.9 g]

#### Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold 50 $\mu$ in. minimum
Insulation	Teflon	
Outer Conductor	Brass	Gold 3 $\mu$ in. minimum
Body	Brass	Gold 3 $\mu$ in. minimum

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Female Connector Crimp/Solder Attachment for RG316, RG174, LMR-100 PE45137](#)



## SMA Female Connector Crimp/Solder Attachment for RG316, RG174, LMR-100

### RF Connectors Technical Data Sheet

PE45137

#### Environmental Specifications

##### Temperature

Operating Range

-65 to 165 deg C

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

RoHS Compliant

REACH Compliant

12/17/2014

#### Plotted and Other Data

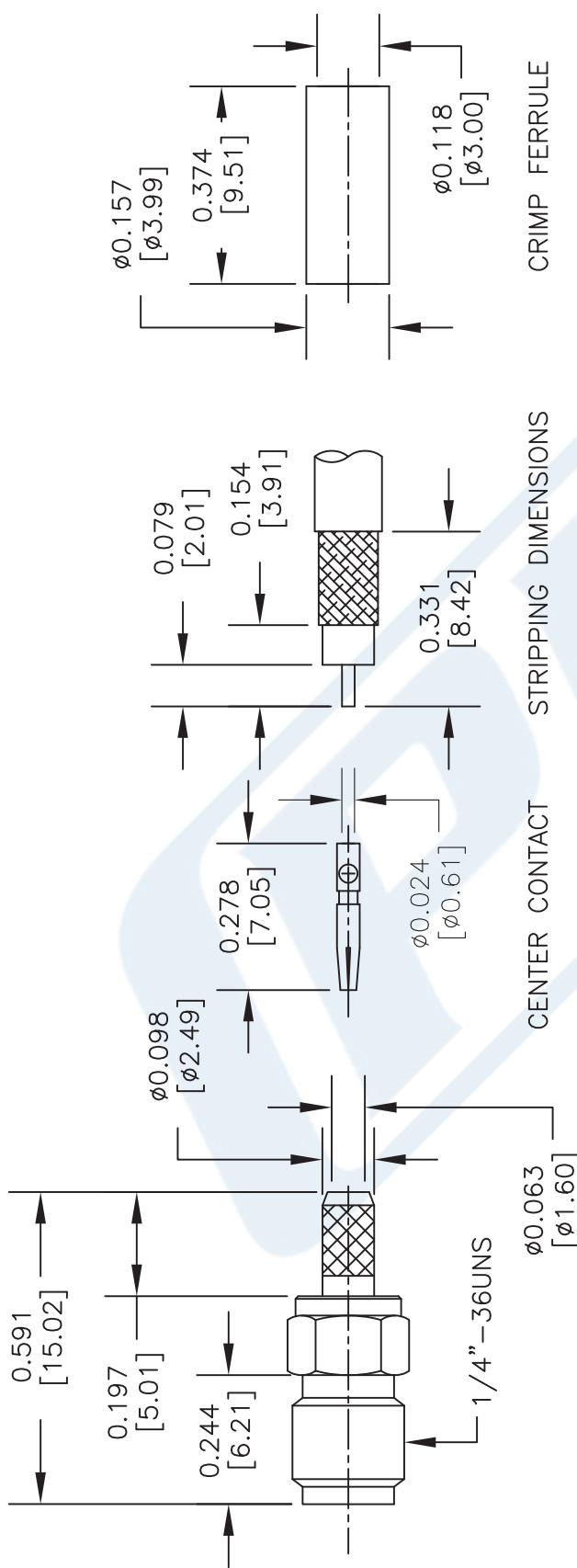
Notes:

SMA Female Connector Crimp/Solder Attachment for RG316, RG174, 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: [SMA Female Connector Crimp/Solder Attachment for RG316, RG174, LMR-100 PE45137](http://www.pasternack.com/sma-female-rg316-rg174-lmr-100-connector-pe45137-pe45137.html)

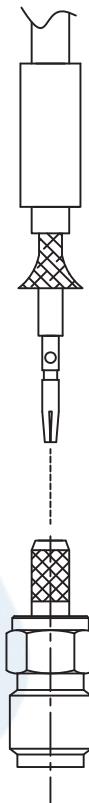
URL: <http://www.pasternack.com/sma-female-rg316-rg174-lmr-100-connector-pe45137-p.aspx>

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## ASSEMBLY PROCEDURES

1. STRIP CABLE TO THE DIMENSIONS SHOWN, DO NOT NICK CENTER CONDUCTOR OR BRAID.
2. SLIDE FERRULE ONTO CABLE.
3. PUSH CENTER CONDUCTOR FULLY INTO CONTACT AND SOLDER, REMOVE ANY EXCESS SOLDER.
4. FLARE BRAID AND INSERT CONTACT INTO THE BODY UNTIL IT SEATS.
5. SLIDE FERRULE OVER BRAID AND CRIMP WITH  $.138''$  [3.5] HEX. CRIMP TOOL.



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PASTERNACK® THE ENGINEER'S RF SOURCE	DWG TITLE <b>PE45137</b>	FSCM NO. 53919	CAD FILE 021215	SCALE N/A	SIZE A	200
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## Flexible RG174 Coax Cable Single Shielded with Black PVC Jacket

### RF Cables Technical Data Sheet

#### 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](#)

## 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]
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#### **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.

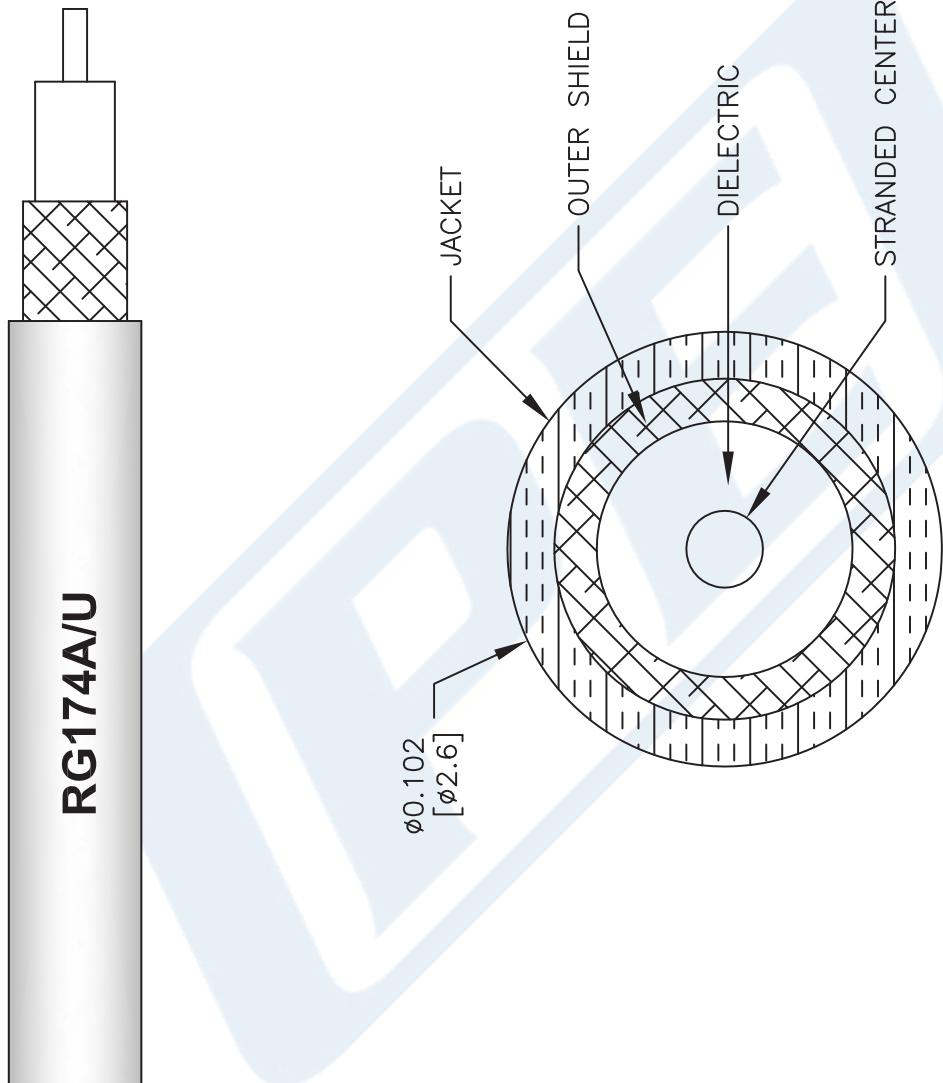
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG174 Coax Cable Single Shielded with Black PVC Jacket RG174A/U](#)

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

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# RG174A/U CAD Drawing

Flexible RG174 Coax Cable Single Shielded with Black PVC Jacket



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DWG TITLE  
**RG174A/U**

FSCM NO.	53919	CAD FILE	111716	SCALE	N/A	SIZE	A
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