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10-32 Female Bulkhead Connector Clamp/Solder Attachment For RG174, RG316, RG188, .295 inch D Hole

TECHNICAL DATA SHEET PE44367

10-32 Female Bulkhead Connector Clamp/Solder Attachment For RG174, RG316, RG188, .295 inch D Hole

Configuration

Connector	10-32 Female
Connector Interface Type	RG174,RG316,RG188
Cable Attachment Method (Shield/Contact)	Clamp/Solder
Body Style	Straight
Mount Method	Bulkhead

Electrical Specifications

Impedance, Ohms	50

Mechanical Specifications

Size

Length, in [mm]	0.72 [18.29]
Width/Dia., in [mm]	0.438 [11.13]
Weight, lbs [g]	0.016 [7.26]

Connector

Type	10-32 Female
Contact Material and Plating	Gold
Body Material and Plating	Brass, Nickel

Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant	Yes

Plotted and Other Data

Notes:	Values at 25 °C, sea level

10-32 Female Bulkhead Connector Clamp/Solder Attachment For RG174, RG316, RG188, .295 inch D 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: 10-32 Female Bulkhead Connector Clamp/Solder Attachment For RG174, RG316, RG188, .295 inch D Hole PE44367

URL: http://www.pasternack.com/10-32-female-standard-rg174-rg316-rg188-connector-pe44367-p.aspx

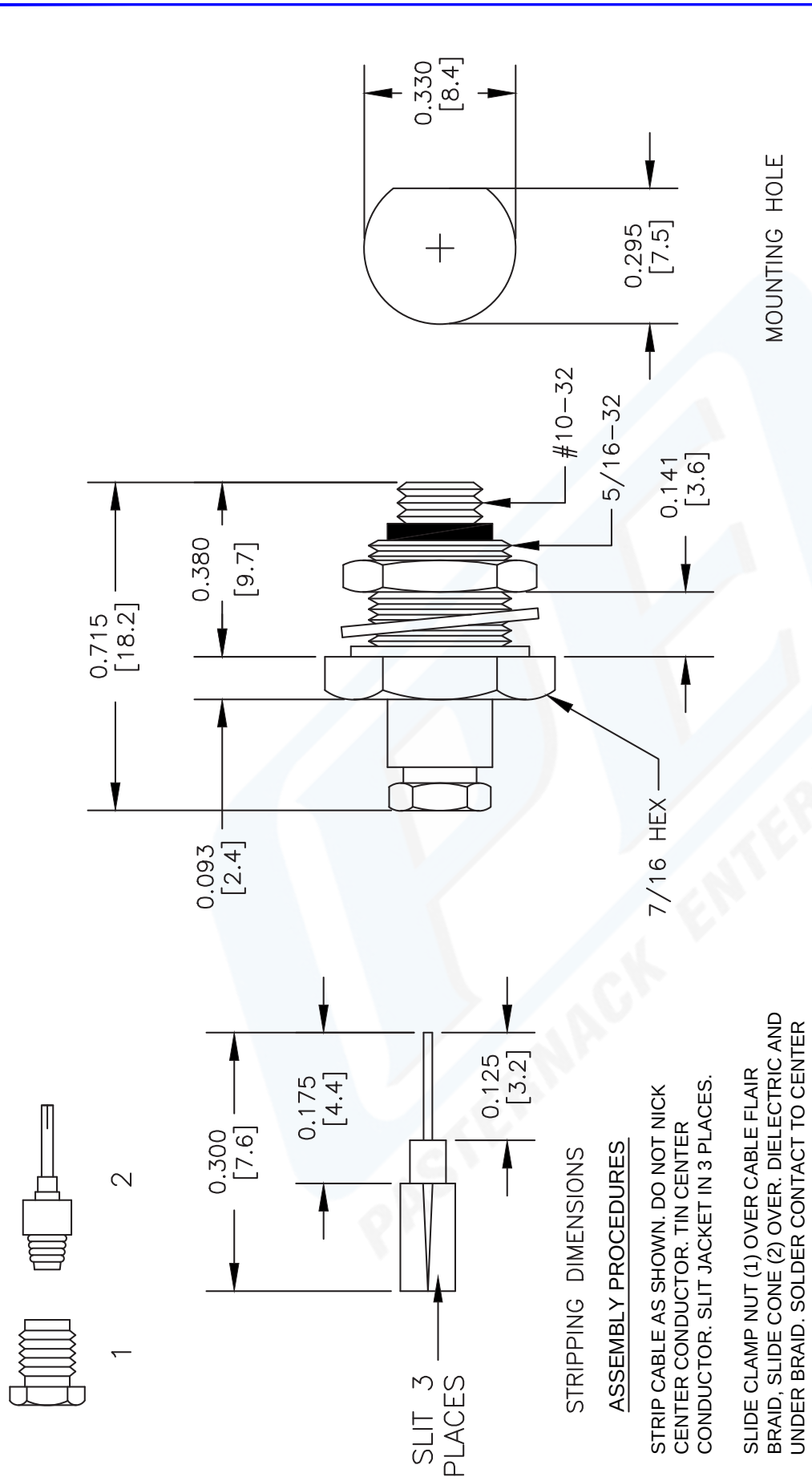
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PE44367 CAD Drawing

10-32 Female Bulkhead Connector Clamp/Solder Attachment
For RG174, RG316, RG188, .295 inch D Hole



STRIPPING DIMENSIONS

ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN. DO NOT NICK CENTER CONDUCTOR. TIN CENTER CONDUCTOR. SLIT JACKET IN 3 PLACES.
2. SLIDE CLAMP NUT (1) OVER CABLE FLAIR BRAID, SLIDE CONE (2) OVER. DIELECTRIC AND UNDER BRAID. SOLDER CONTACT TO CENTER SOLDER CONTACT TO CENTER CONDUCTOR THROUGH HOLE IN CONTACT.
3. INSERT ASSEMBLY 1 AND 2 INTO BODY & TIGHTEN.

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.

DWG TITLE	CAD FILE	SCALE	SIZE
PE44367	090803	N/A	A

FSCM NO. 53919

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10-32 Male Right Angle Connector Crimp/Solder Attachment for RG174, RG316, RG188, PE-B100, PE-C100, 0.100 inch, LMR-100



RF Connectors
Technical Data Sheet

PE44355

Configuration

- 10-32 Male Connector
- MIL-C-39012
- 50 Ohms
- Right Angle Body Geometry
- Connector Interface Types: RG174, RG316, RG188, PE-B100, PE-C100, .100 inch, LMR-100

Features

- Max. Operating Frequency 2 GHz
- Gold over Nickel Plated Brass Contact
- Contact plating according to MIL-G-45204

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE44355 10-32 male right angle connector with crimp/solder attachment for RG174, RG316, RG188, PE-B100, PE-C100, .100 inch and LMR-100 is part of our full line of RF components available for same-day shipping. Our 10-32 male connector operates up to a maximum frequency of 2 GHz. Its right angle body geometry allows for easier connections in tight spaces.

Our 10-32 male right angle connector PE44355 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)			1,000	Vrms
Insulation Resistance	5,000			MOhms

Mechanical Specifications

Size	
Length	0.655 in [16.64 mm]
Width/Dia.	0.25 in [6.35 mm]
Height	0.53 in [13.46 mm]
Weight	0.009 lbs [4.08 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 10-32 Male Right Angle Connector Crimp/Solder Attachment for RG174, RG316, RG188, PE-B100, PE-C100, 0.100 inch, LMR-100 PE44355

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10-32 Male Right Angle Connector Crimp/Solder Attachment for RG174, RG316, RG188, PE-B100, PE-C100, 0.100 inch, LMR-100

Material Specifications

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

Environmental Specifications

Temperature

Operating Range -62 to +200 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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URL: https://www.pasternack.com/10-32-male-standard-rg174-rg316-rg188-connector-pe44355-p.aspx

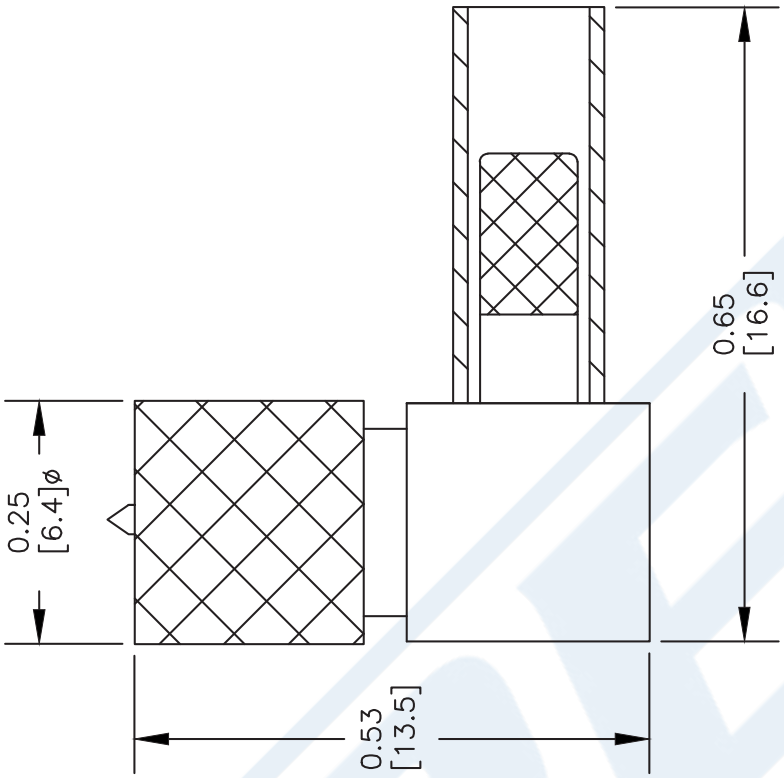
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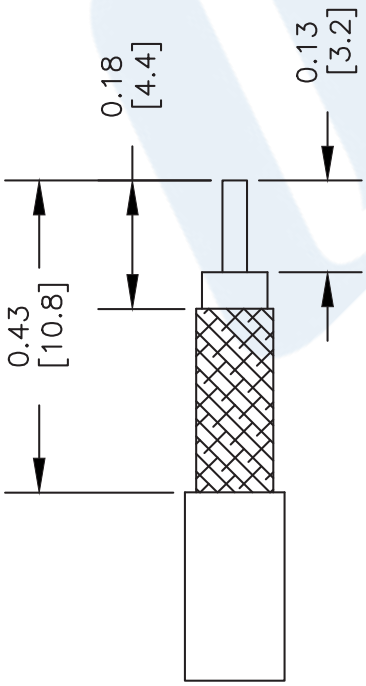
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PE44355 CAD Drawing

10-32 Male Right Angle Connector Crimp/Solder Attachment for RG174, RG316, RG188, PE-B100, PE-C100, 0.100 inch, LMR-100





STRIPPING DIMENSIONS

ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN & SLIDE FERRULE OVER CABLE.
2. INSTALL CABLE INTO BODY OF CONNECTOR AND SOLDER CENTER CONDUCTOR IN PLACE.
3. CRIMP FERRULE & PRESS CAP DOWN.

CRIMP SIZE REQUIRED

FERRULE: .128" HEX CRIMP TOOL

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.

CAD FILE	090903	SCALE N/A	SIZE A	XXXX

DWG TITLE **PE44355**

FSCM NO. 53919

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Flexible RG174 Coax Cable Single Shielded with Black PVC Jacket

RF Cables
Technical Data Sheet

TIMES MICROWAVE SYSTEMS An Amphenol Company

RG174A/U

Times Microwave Systems Coax Cable Specification

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]
Power@ 1GHz			17	Watts

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	100	400	1,000			MHz
Attenuation, Typ	8.4	19	32			dB/100ft
	27.56	62.34	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

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:

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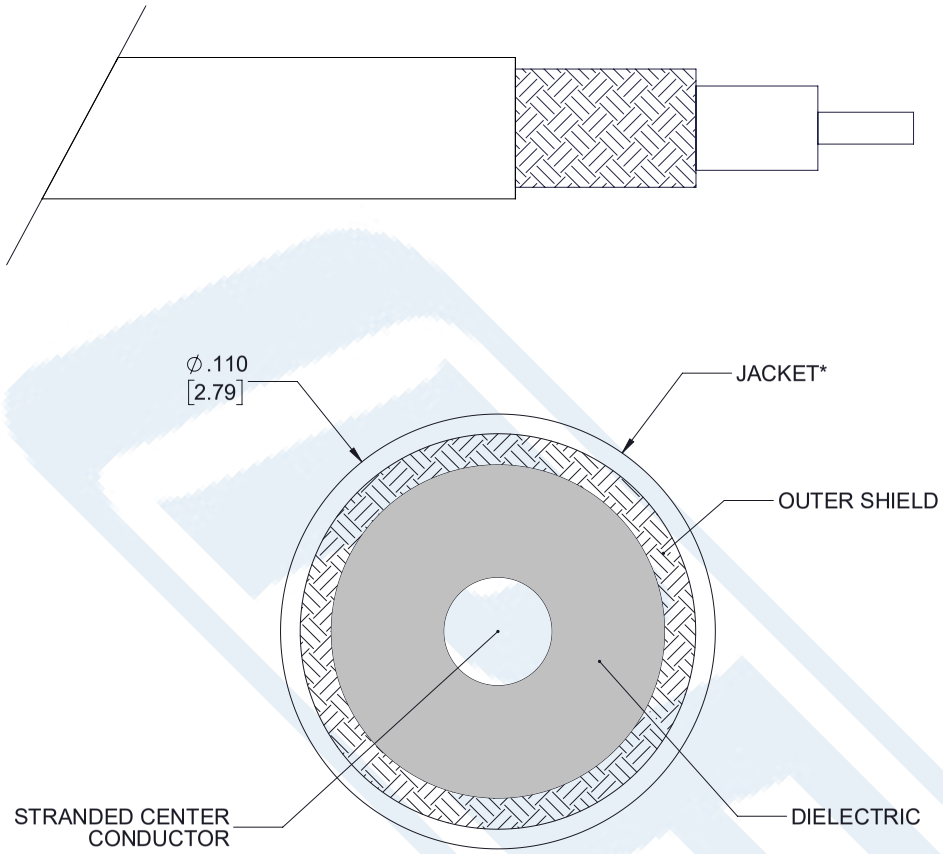
URL: https://www.pasternack.com/flexible-0.100-rg174-50-ohm-coax-cable-pvc-jacket-rg174a-u-p.aspx

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SECTION VIEW

NOTE:

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

STANDARD TOLERANCES	
.X	±0.2
.XX	±0.01
.XXX	±0.005

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DWG TITLE

RG174A/U

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CAGE CODE 53919	CAD FILE 05/25/18	SCALE N/A	SIZE A	7361

TIMES MICROWAVE SYSTEMS
An Amphenol Company

RG174A/U CAD Drawing

Flexible RG174 Coax Cable Single Shielded with Black PVC Jacket