Mini UHF Male Push-On Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400

RF Connectors Technical Data Sheet   PE44088

Configuration

- Push-On Mini UHF Male Connector
- 50 Ohms
- Straight Body Geometry
- RG55, RG141, RG142, RG223, RG400 Interface Type
- Crimp/Solder Attachment

Features

- Gold Plated Contact

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE44088 Mini UHF male push-on connector with crimp/solder attachment for RG55, RG141, RG142, RG223 and RG400 is part of our full line of RF components available for same-day shipping.

Our Mini UHF male connector PE44088 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	1.2 in [30.48 mm]
Width/Dia.	0.475 in [12.07 mm]
Weight	0.018 lbs [8.16 g]

Material Specifications

Description	Material	Plating
Contact		Gold
Insulation	PTFE	
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: Mini UHF Male Push-On Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400 PE44088

Mini UHF Male Push-On Connector Crimp/Solder
Attachment for RG55, RG141, RG142, RG223, RG400

RF Connectors Technical Data Sheet   PE44088

Compliance Certifications (see product page for current document)

Plotted and Other Data
    Notes:

Mini UHF Male Push-On Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400 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.
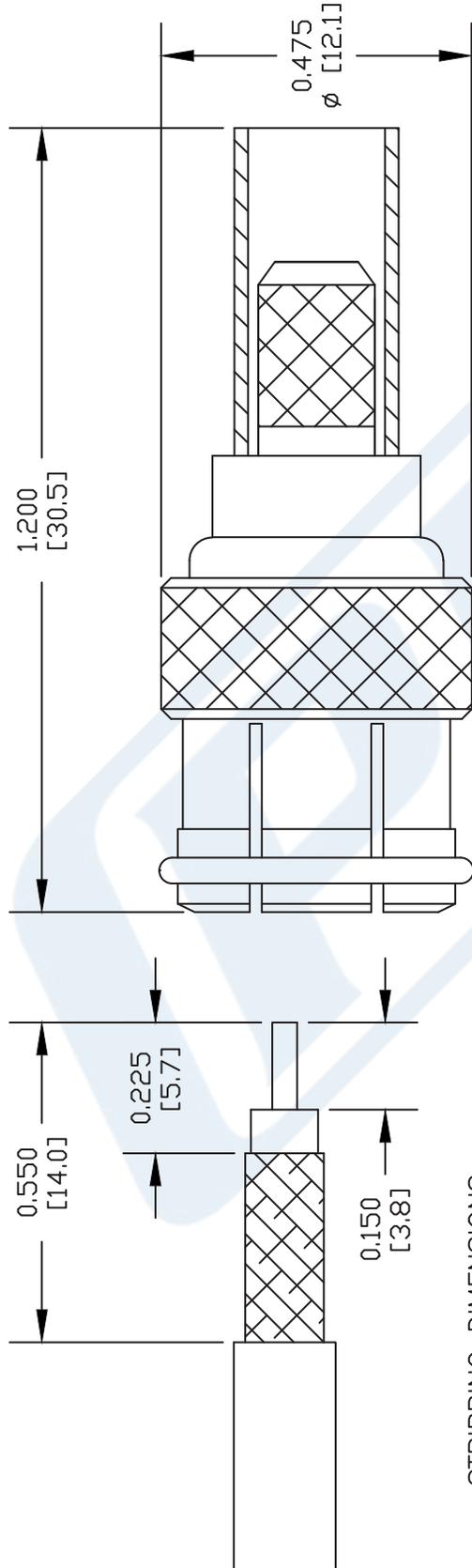
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URL: https://www.pasternack.com/mini-uhf-male-standard-rg55-rg141-rg142-rg223-rg400-connector-pe44088-p.aspx

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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Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
Sales@Pasternack.com • Techsupport@Pasternack.com

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PE44088 CAD Drawing
Mini UHF Male Push-On Connector Crimp/Solder Attachment
for RG55, RG141, RG142, RG223, RG400

0.475 [12.1] ⌀

1.200 [30.5]

0.550 [14.0]

0.225 [5.7]

0.150 [3.8]

STRIPPING DIMENSIONS

<u>CRIMP SIZE REQUIRED</u>

CONTACT: .068" HEX CRIMP TOOL
FERRULE: .213" 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.

SIZE A 127

SCALE N/A

CAD FILE 062502

DWG TITLE
PE44088

FSCM NO. **53919**

PE44088 REV 1.1

3

Mini UHF Male Push-On Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400

RF Connectors Technical Data Sheet   PE44088

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Mini UHF Male Push-On Connector Crimp/Solder
Attachment for RG55, RG141, RG142, RG223, RG400

RF Connectors Technical Data Sheet   PE44088

Compliance Certifications (see product page for current document)

Plotted and Other Data
   Notes:

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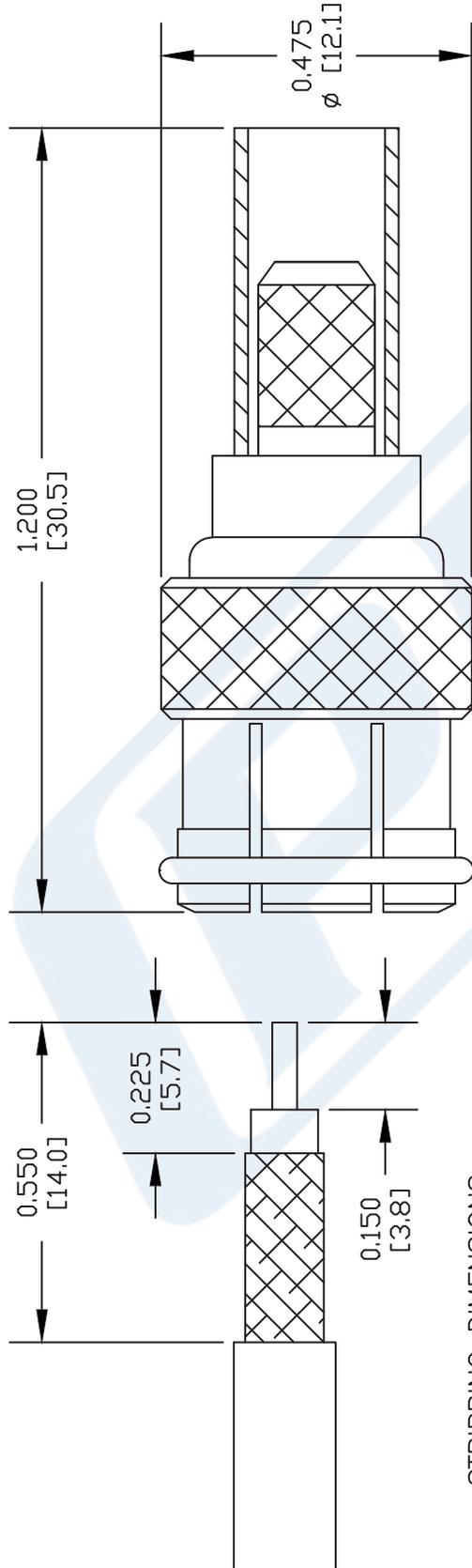
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URL: https://www.pasternack.com/mini-uhf-male-standard-rg55-rg141-rg142-rg223-rg400-connector-pe44088-p.aspx

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PE44088 CAD Drawing
Mini UHF Male Push-On Connector Crimp/Solder Attachment
for RG55, RG141, RG142, RG223, RG400

0.475 ⌀ [12.1]

1.200 [30.5]

0.550 [14.0]

0.225 [5.7]

0.150 [3.8]

STRIPPING DIMENSIONS

CRIMP SIZE REQUIRED

CONTACT: .068" HEX CRIMP TOOL
FERRULE: .213" HEX CRIMP TOOL

127

SIZE A

SCALE N/A

CAD FILE 062502

DWG TITLE
PE44088

FSCM NO. **53919**

TECHNICAL DATA SHEET — RG142B/U

Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket

Configuration

Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Shield Materials	Silver Plated Copper Braid, Silver Plated Copper Braid
Jacket Material and Color	FEP, Tan

Electrical Specifications

Impedance, Ohms	50
Velocity of Propagation, %	69.2
Maximum Operating Frequency, GHz	8
RF Shielding, dB	90
Capacitance, pF/ft [pF/m]	29.4 [96.46]
Maximum Operating Voltage, Volts	1,900

Electrical Specifications by Frequency

Frequency 1

Frequency, MHz	100
Attenuation, dB/100ft [dB/100m]	3.9 [12.8]

Frequency 2

Frequency, MHz	1000
Attenuation, dB/100ft [dB/100m]	13 [42.65]

Frequency 3

Frequency, GHz	3
Attenuation, dB/100ft [dB/100m]	23.8 [78.08]

Frequency 4

Frequency, GHz	5
Attenuation, dB/100ft [dB/100m]	36 [118.11]

Mechanical Specifications

Temperature

Operating Range, deg C	-55 to +200

Inner Conductor

Number of Strands	1
Material	Copper Clad Steel
Plating	Silver
Diameter, in [mm]	0.037 [0.94]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket RG142B/U

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.

TECHNICAL DATA SHEET   RG142B/U

Dielectric:
Type	PTFE
Diameter, in [mm]	0.116 [2.95]

Shield:
Number of	2
Material 1	Silver Plated Copper Braid
Material 2	Silver Plated Copper Braid
Diameter, in [mm]	0.156 [3.96]

Jacket:
Material	FEP
Diameter, in [mm]	0.195 [4.95]
Color	Tan
One Time Minimum Bend Radius, in [mm]	0.984 [24.99]
Repeated Minimum Bend Radius, in [mm]	2 [50.8]
Weight, lbs/ft [Kg/m]	0.046 [0.07]

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

Plotted and Other Data
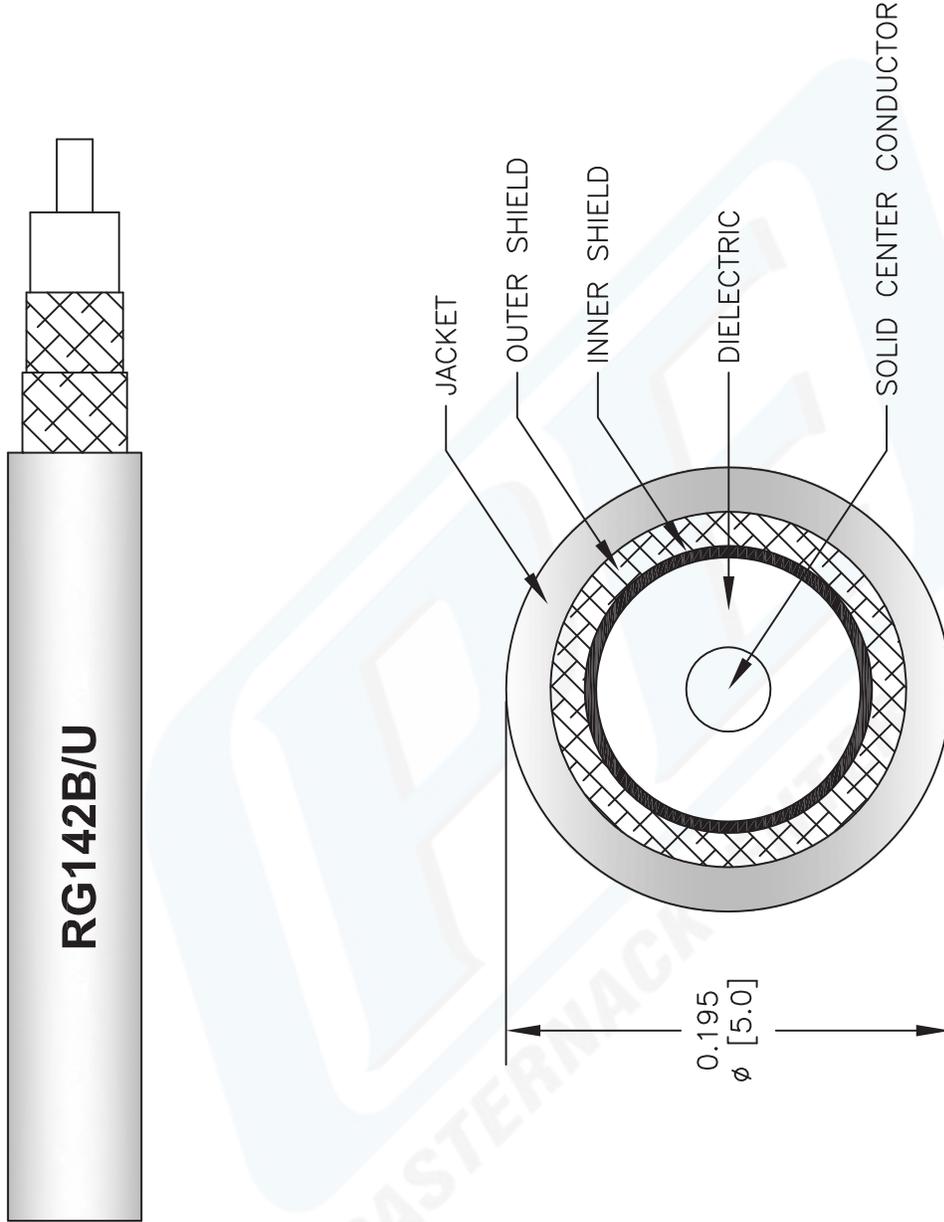|	
Notes:	Values at 25 °C, sea level

URL: http://www.pasternack.com/flexible-0.195-rg142-50-ohm-coax-cable-fep-jacket-rg142b-u-p.aspx

Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket 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.

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RG142B/U CAD Drawing
Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket

RG142B/U

JACKET

OUTER SHIELD

INNER SHIELD

DIELECTRIC

SOLID CENTER CONDUCTOR

0.195 ø [5.0]

NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
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3. DIMENSIONS ARE IN INCHES [mm].

CAD FILE	022808-A	
SCALE N/A		
SIZE A		
2233		

DWG TITLE

RG142B/U

FSCM NO. 53919

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RG142B/U REV

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