



SMA Male QD Connector Crimp/Solder Attachment  
For RG142, RG223, RG400, RG55

RF Connectors Technical Data Sheet

PE44461

**Configuration**

- SMA Male Connector
- 50 Ohms
- Straight Body Geometry
- RG142, RG223, RG400, RG55 Interface Type
- Crimp/Solder Attachment

**Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		12.4	GHz
VSWR			1.27:1	
Operating Voltage (AC)			335	Vrms
Dielectric Withstanding Voltage (AC)			1,000	

**Mechanical Specifications**

**Size**

Length	1.12 in [28.45 mm]
Width/Dia.	0.51 in [12.95 mm]
Weight	0.018 lbs [8.16 g]

**Material Specifications**

Description	Material	Plating
Contact	Beryllium Copper	Gold 50µ in. minimum
Insulation	Teflon	
Body	Brass	Gold 10µ in. minimum
Coupling Nut	Brass	Nickel 100µ in. minimum

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

Not RoHS Compliant

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male QD Connector Crimp/Solder Attachment For RG142, RG223, RG400, RG55 PE44461](#)



SMA Male QD Connector Crimp/Solder Attachment  
For RG142, RG223, RG400, RG55

RF Connectors Technical Data Sheet

PE44461

**Plotted and Other Data**

Notes:

SMA Male QD Connector Crimp/Solder Attachment For RG142, RG223, RG400, RG55 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.

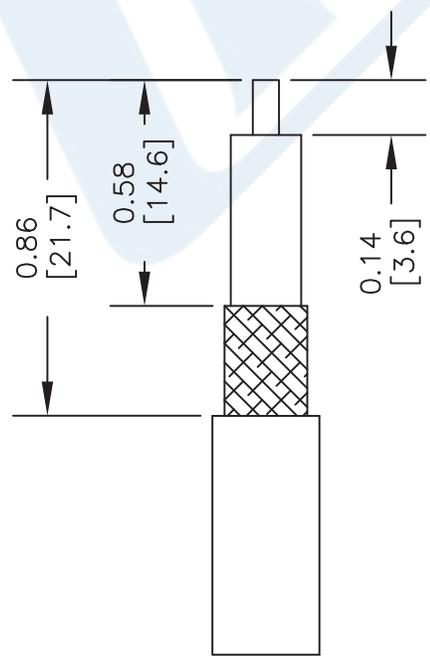
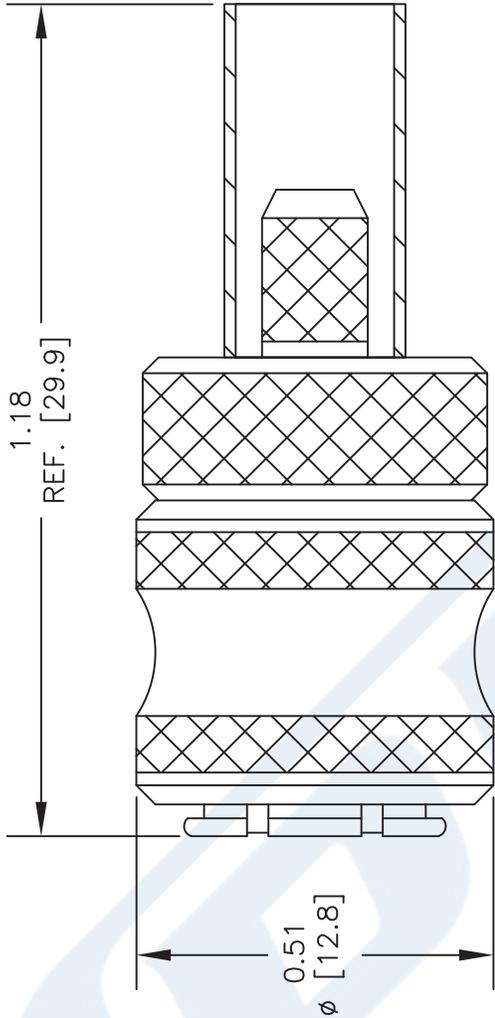
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male QD Connector Crimp/Solder Attachment For RG142, RG223, RG400, RG55 PE44461](http://www.pasternack.com/sma-male-quick-disconnect-for-rg223u-pe44461-p.aspx)

URL: <http://www.pasternack.com/sma-male-quick-disconnect-for-rg223u-pe44461-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.

# PE44461 CAD Drawing

SMA Male QD Connector Crimp/Solder Attachment For RG142, RG223, RG400, RG55



STRIPPING DIMENSIONS  
CRIMP SIZE REQUIRED  
 CONTACT: SOLDER  
 FERRULE: .213" HEX CRIMP TOOL

<p>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.</p>	<p>DWG TITLE  <b>PE44461</b></p>	<p><b>PASTERNAK®</b>                  Pasternack Enterprises, Inc.                  P.O. Box 16759   Irvine   CA   92623                  Phone: (949) 261-1920   Fax: (949) 261-7451                  Website: www.pasternack.com   E-Mail: sales@pasternack.com</p>
<p>CAD FILE 050613</p>	<p>FSCM NO. 53919</p>	<p>SCALE N/A</p>
<p>SIZE A</p>	<p>2233</p>	<p></p>



## TNC Male Right Angle Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400

### RF Connectors Technical Data Sheet

PE4450

#### Configuration

- TNC Male Connector
- MIL-STD-348A
- 50 Ohms
- Right Angle Body Geometry
- RG55, RG141, RG142, RG223, RG400 Interface Type
- Crimp/Solder Attachment

#### Features

- Max. Operating Frequency 3 GHz
- Good VSWR of 1.3:1
- Gold Plated Brass Contact
- 30  $\mu$ m minimum contact plating

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE4450 TNC male right angle 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 TNC male connector operates up to a maximum frequency of 3 GHz and offers good VSWR of 1.3:1. Its right angle body geometry allows for easier connections in tight spaces.

Our TNC male right angle connector PE4450 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		3	GHz
VSWR			1.3:1	
Operating Voltage (AC)			500	Vrms

#### Mechanical Specifications

Size	
Length	1.35 in [34.29 mm]
Width/Dia.	0.57 in [14.48 mm]
Height	1.14 in [28.96 mm]
Weight	0.062 lbs [28.12 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Male Right Angle Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400 PE4450](#)



TNC Male Right Angle Connector Crimp/Solder Attachment  
for RG55, RG141, RG142, RG223, RG400

RF Connectors Technical Data Sheet

PE4450

**Material Specifications**

Description	Material	Plating
Contact	Brass	Gold 30 µin minimum
Insulation	PTFE	
Body	Brass	Nickel 100 µin minimum
Coupling Nut	Brass	Nickel 100 µin minimum

**Environmental Specifications**

**Temperature**

Operating Range

-65 to +165 deg C

**Compliance Certifications** (see [product page](#) for current document)

**Plotted and Other Data**

Notes:

TNC Male Right Angle 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.

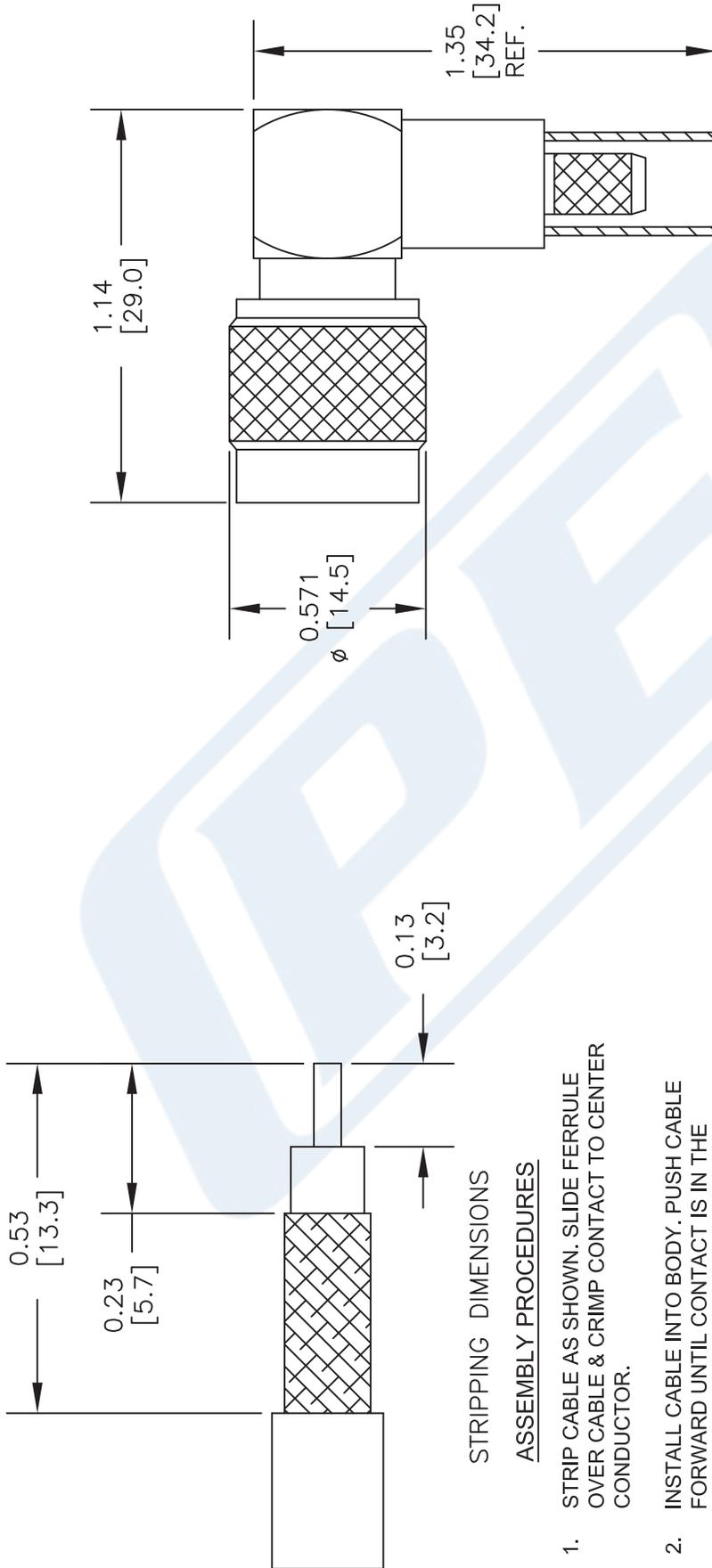
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Male Right Angle Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400 PE4450](#)

URL: <https://www.pasternack.com/tnc-male-standard-rg55-rg141-rg142-rg223-rg400-connector-pe4450-p.aspx>

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# PE4450 CAD Drawing

TNC Male Right Angle Connector Crimp/Solder Attachment  
for RG55, RG141, RG142, RG223, RG400



DWG TITLE

**PE4450**

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].

FSCM NO. 53919

CAD FILE 080916

SCALE N/A

SIZE A

2233

**PE PASTERNAK**  
THE ENGINEER'S RF SOURCE  
Pasternack Enterprises, Inc.  
P.O. Box 16759 | Irvine | CA | 92623

Phone: (949) 261-1920 | Fax: (949) 261-7451

Website: www.pasternack.com | E-Mail: sales@pasternack.com


**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
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**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](#)

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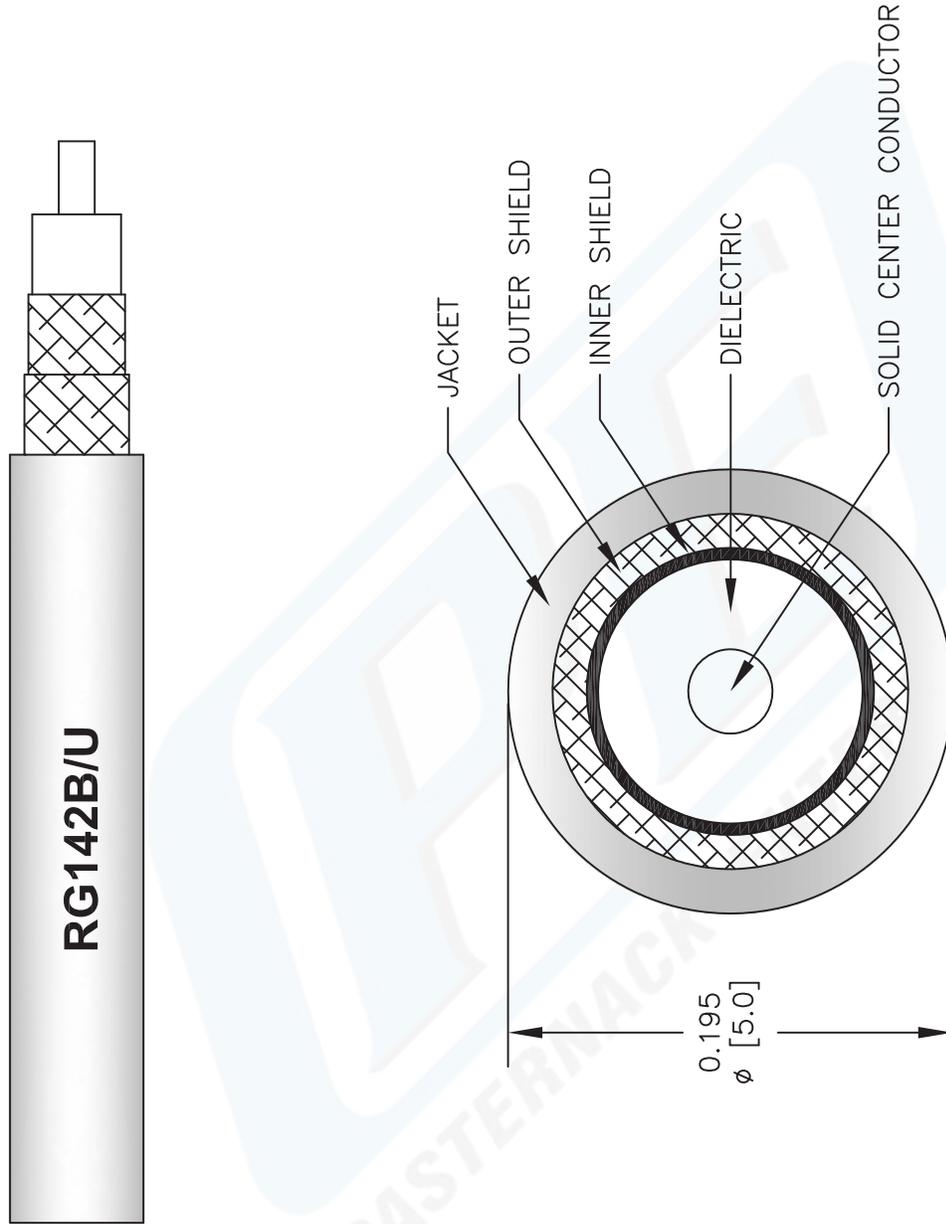
URL: <http://www.pasternack.com/flexible-0.195-rg142-50-ohm-coax-cable-fep-jacket-rg142b-u-p.aspx>

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



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DWG TITLE  
**RG142B/U**

FSCM NO. 53919

CAD FILE 022808-A

SCALE N/A

SIZE A

2233

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Phone: (949) 261-1920 | Fax: (949) 261-7451  
Website: www.pasternack.com | E-Mail: sales@pasternack.com