



## N Male Connector Crimp/Solder Attachment For RG223, RG142, RG400, RG55

### TECHNICAL DATA SHEET

PE44788

#### Configuration

Connector	N Male
Connector Specification	MIL-STD-348A
Connector Interface Type	RG223, RG142, RG400, RG55
Cable Attachment Method (Shield/Contact)	Crimp/Solder
Body Style	Straight

#### Electrical Specifications

Frequency Range, GHz	DC to 11
Impedance, Ohms	50
Maximum Operating Voltage, Volts	1,500

#### Frequency 1

Frequency, GHz	DC to 6
VSWR	1.3:1

#### Mechanical Specifications

Temperature	
Operating Range, deg C	-65 to +165
Size	
Length, in [mm]	1.37 [34.8]
Width/Dia., in [mm]	0.83 [21.08]
Weight, lbs [g]	0.06 [27.22]

#### Connector

Type	N Male
Contact Material and Plating	Brass, Gold
Coupling Nut Material and Plating	Brass, Tri-Metal
Hex Size, mm	18
Torque, in-lbs [Nm]	9 [1.02]
Body Material and Plating	Brass, Tri-Metal
Dielectric Type	Teflon

#### Compliance Certifications

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

RoHS Compliant	Yes
REACH Compliant	06/18/2012

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Connector Crimp/Solder Attachment For RG223, RG142, RG400, RG55 PE44788](#)

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.



## N Male Connector Crimp/Solder Attachment For RG223, RG142, RG400, RG55

### TECHNICAL DATA SHEET

PE44788

#### Plotted and Other Data

Notes:

Values at 25 °C, sea level

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

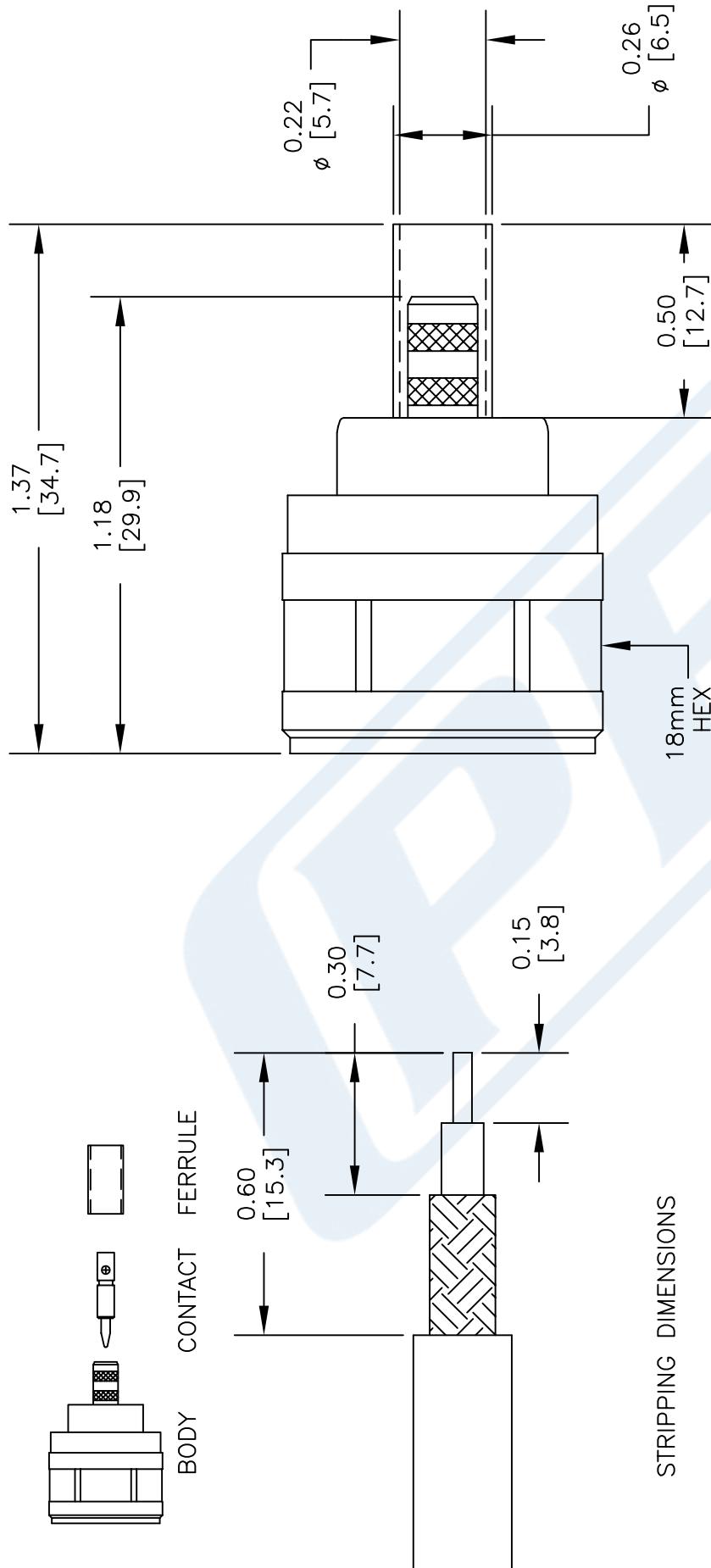
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Connector Crimp/Solder Attachment For RG223, RG142, RG400, RG55 PE44788](#)

URL: <http://www.pasternack.com/n-male-standard-rg223-rg142-rg400-rg55-connector-pe44788-p.aspx>

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# PE44788 CAD Drawing

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



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.

PASTERNACK®	DWG TITLE
<b>PE</b>	<b>PE44788</b>
Pasternack Enterprises, Inc. P.O. Box 16759   Irvine   CA   92623 Phone: (949) 261-1920   Fax: (949) 261-7451 Website: <a href="http://www.pasternack.com">www.pasternack.com</a>   E-Mail: <a href="mailto:sales@pasternack.com">sales@pasternack.com</a>	
FSCM NO. 53919	CAD FILE 100813 SCALE N/A SIZE A
	150



## 7/16 DIN Male Right Angle Connector Clamp/Solder Attachment For RG58, RG55, RG141, RG142, RG223, RG400

### TECHNICAL DATA SHEET

PE44281

#### 7/16 DIN Male Right Angle Connector Clamp/Solder Attachment For RG58, RG55, RG141, RG142, RG223, RG400

##### Configuration

Connector	7/16 DIN Male
Connector Specification	MIL-C-39012
Connector Interface Type	RG58, RG55, RG141, RG142, RG223, RG400
Cable Attachment Method (Shield/Contact)	Clamp/Solder
Body Style	Right Angle

##### Electrical Specifications

Frequency Range, GHz	DC to 7.5
Impedance, Ohms	50
Maximum Operating Voltage, Volts	2,700

##### Mechanical Specifications

Temperature	
Operating Range, deg C	-65 to +165
<b>Size</b>	
Length, in [mm]	1.7 [43.18]
Width/Dia., in [mm]	1.25 [31.75]
Height, in [mm]	1.14 [28.96]
Weight, lbs [g]	0.275 [124.74]

##### Connector

Type	7/16 DIN Male
Contact Material and Plating	Silver
Contact Plating Specification	QQ-S-365
Hex Size, in.	1 1/4
Torque, ft-lbs [Nm]	18.417 [24.97]
Body Material and Plating	Brass, Nickel
Dielectric Type	Teflon

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

RoHS Compliant	Yes
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Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [7/16 DIN Male Right Angle Connector Clamp/Solder Attachment For RG58, RG55, RG141, RG142, RG223, RG400 PE44281](#)

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**7/16 DIN Male Right Angle Connector Clamp/Solder Attachment  
For RG58, RG55, RG141, RG142, RG223, RG400**

**TECHNICAL DATA SHEET**

**PE44281**

**Plotted and Other Data**

Notes:

Values at 25 °C, sea level

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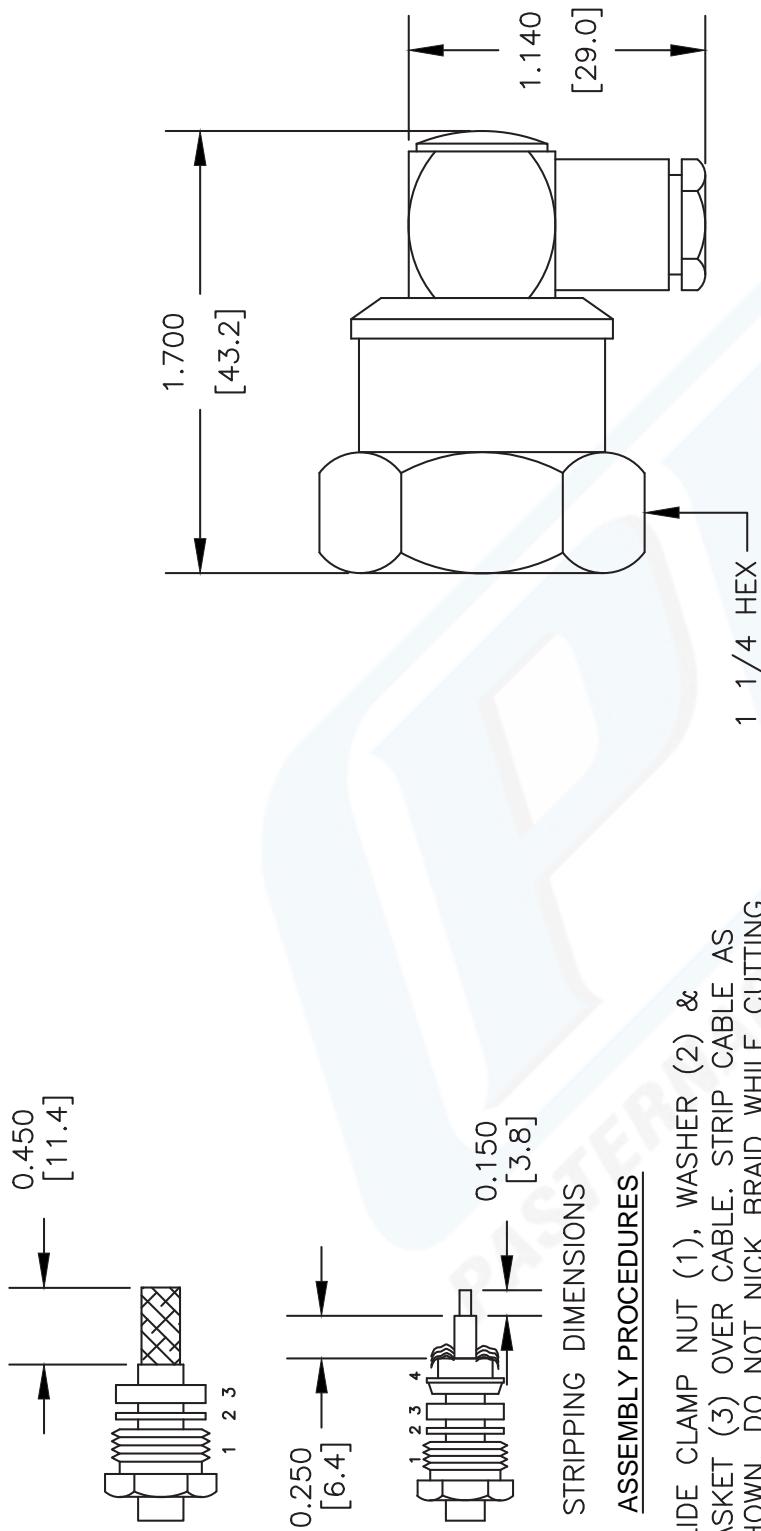
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [7/16 DIN Male Right Angle Connector Clamp/Solder Attachment For RG58, RG55, RG141, RG142, RG223, RG400 PE44281](#)

URL: <http://www.pasternack.com/7-16-male-standard-rg58-rg55-rg141-rg142-rg223-rg400-connector-pe44281-p.aspx>

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# PE44281 CAD Drawing

7/16 DIN Male Right Angle Connector Clamp/Solder Attachment  
For RG58, RG55, RG141, RG142, RG223, RG400



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4. FITS MIL-C-17 AND EQUIVALENT CABLES.

DWG TITLE	PE44281	SCALE N/A	SIZE A	xxxx
<b>PASTERNACK</b> Pasternack Enterprises, Inc. P.O. Box 167/59   Irvine   CA   92623 Phone: (949) 261-1920   Fax: (949) 261-7451 Website: <a href="http://www.pasternack.com">www.pasternack.com</a>   E-Mail: <a href="mailto:sales@pasternack.com">sales@pasternack.com</a>	FSCM NO. 53919	CAD FILE 070202		

# Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket

## 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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# Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket

## 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

### Plotted and Other Data

Notes: Values at 25 °C, sea level

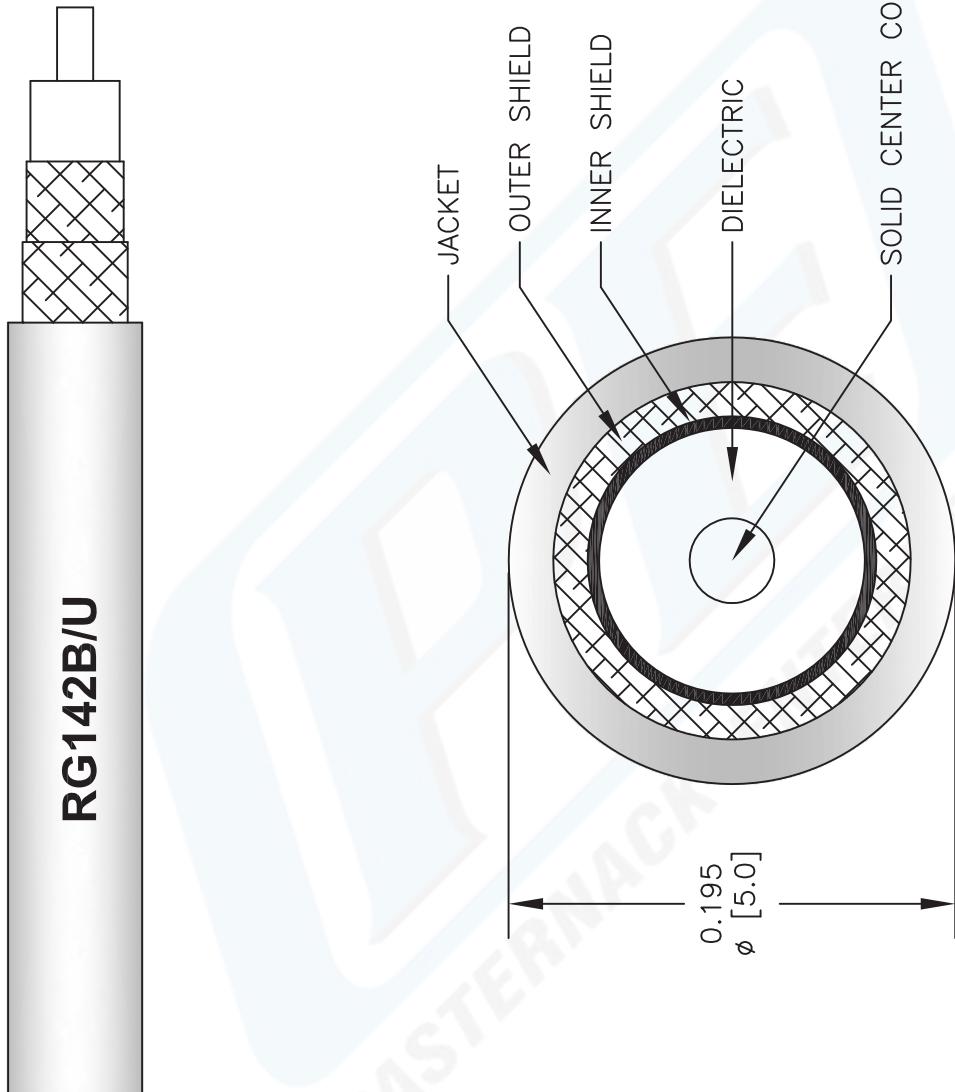
URL: <http://www.pasternack.com/flexible-0.195-rg142-50-ohm-coax-cable-fep-jacket-rg142b-u-p.aspx>

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**

DWG TITLE

**RG142B/U**

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FSM NO.	CAD FILE	SCALE	SIZE	REV
53919	022808-A	N/A	A	2233