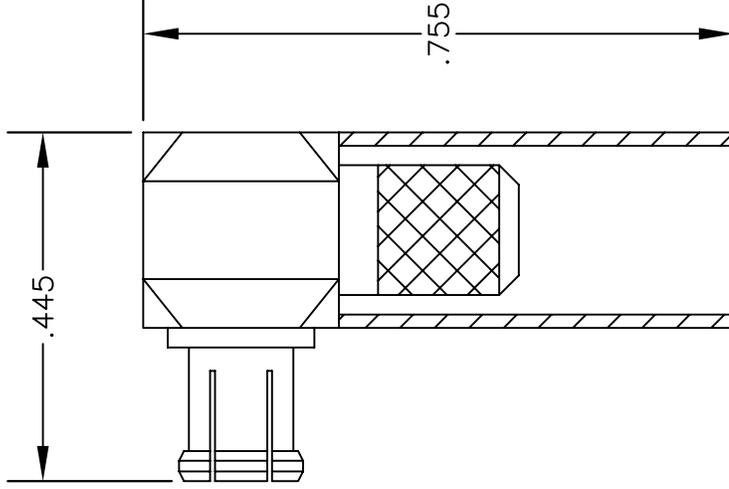


**MATERIALS**

BODY	BRASS NICKEL PLATED
CONTACT	GOLD PLATED
INSULATOR	PTFE

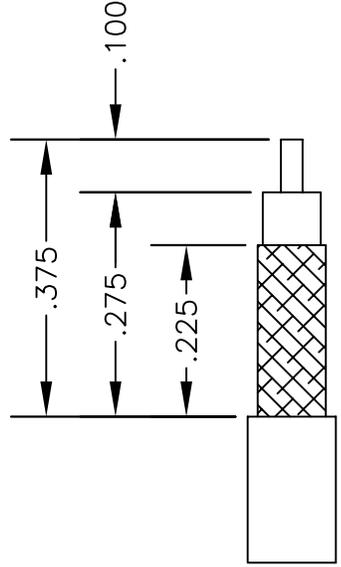


ASSEMBLY PROCEDURES

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

CRIMP SIZE REQUIRED

FERRULE: .213" HEX CRIMP TOOL



STRIPPING DIMENSIONS



**PASTERMACK ENTERPRISES, INC.**  
 P.O. BOX 16759, IRVINE, CA 92623  
 PHONE (949) 261-1920 FAX (949) 261-7451  
 WEB ADDRESS: [www.pasternack.com](http://www.pasternack.com)  
 E-MAIL ADDRESS: [sales@pasternack.com](mailto:sales@pasternack.com)  
**COAXIAL & FIBER OPTICS**

DWG TITLE		DES.	SCALE	
<b>PE4883</b>		MCX PLUG, RIGHT ANGLE, CRIMP ATTACHMENT FOR RG55, RG142, RG223 & RG400	N/A	
SIZE A	FSCM NO. 53919	CAD FILE	061802	127

NOTES:

1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.



## SMA Male Connector Solder Attachment for RG58, RG55, RG142, RG223, RG400

### RF Connectors Technical Data Sheet

PE4037

#### Configuration

- SMA Male Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- RG58, RG55, RG142, RG223, RG400 Interface Type
- Solder/Solder Attachment
- 5/16 in Hex

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		12.4	GHz
VSWR			1.28:1	
Operating Voltage (AC)			500	Vrms
Dielectric Withstanding Voltage (AC)			1,000	

#### Mechanical Specifications

##### Size

Length	0.906 in [23.01 mm]
Width/Dia.	0.315 in [8.00 mm]
Weight	0.013 lbs [5.9 g]
Mating Torque	5 in-lbs [0.57 Nm]

##### Material Specifications

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

#### Environmental Specifications

##### Temperature

Operating Range	-65 to 165 deg C
-----------------	------------------

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Connector Solder Attachment for RG58, RG55, RG142, RG223, RG400 PE4037](#)



## SMA Male Connector Solder Attachment for RG58, RG55, RG142, RG223, RG400

### RF Connectors Technical Data Sheet

PE4037

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

**Plotted and Other Data**  
Notes:

SMA Male Connector Solder Attachment for RG58, RG55, 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.

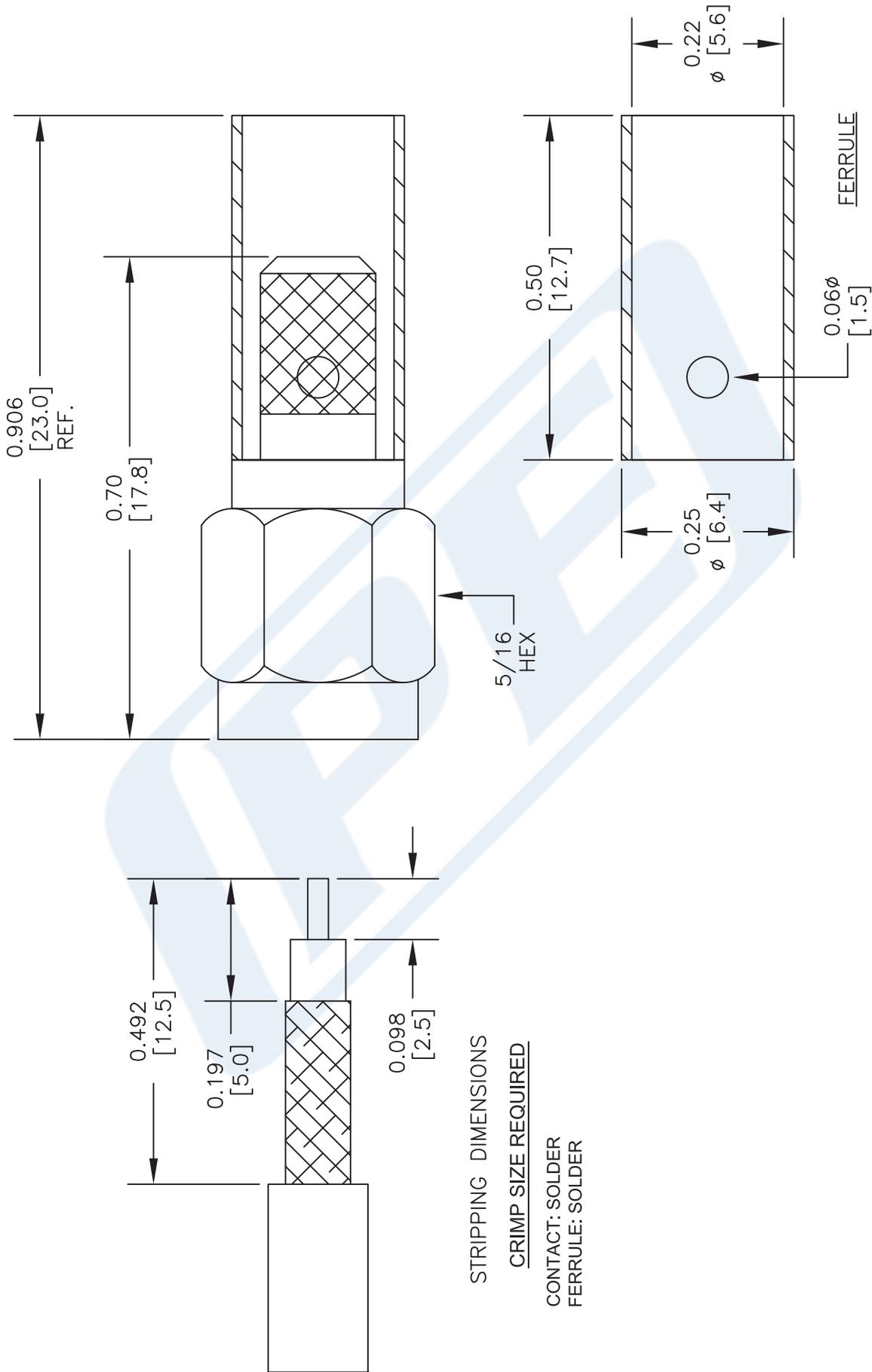
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Connector Solder Attachment for RG58, RG55, RG142, RG223, RG400 PE4037](http://www.Pasternack.com/sma-male-standard-rg58-rg55-rg142-rg223-rg400-connector-pe4037-p.aspx)

URL: <http://www.pasternack.com/sma-male-standard-rg58-rg55-rg142-rg223-rg400-connector-pe4037-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.

# PE4037 CAD Drawing

SMA Male Connector Solder Attachment for RG58, RG55, RG142, RG223, RG400



DWG TITLE

**PE4037**

- 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.

FSCM NO. 53919

CAD FILE 050516

SCALE N/A

SIZE A

2233



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
------------------------	-------------

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

RoHS Compliant	Yes
----------------	-----

**Plotted and Other Data**

Notes:	Values at 25 °C, sea level
--------	----------------------------

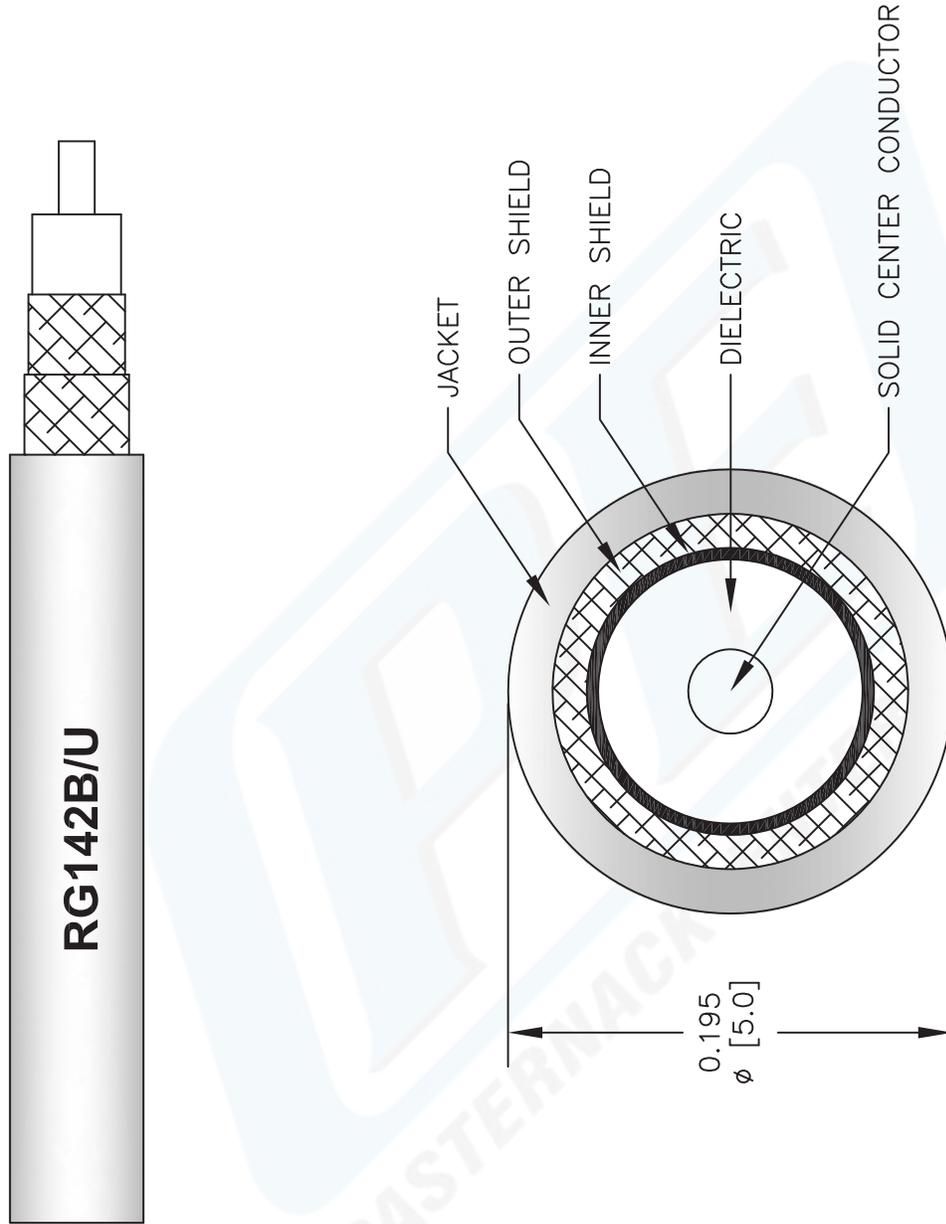
URL: <http://www.pasternack.com/flexible-0.195-rg142-50-ohm-coax-cable-fep-jacket-rg142b-u-p.aspx>

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.

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.

# RG142B/U CAD Drawing

Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket



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].

DWG TITLE  
**RG142B/U**

FSCM NO. 53919

CAD FILE 022808-A

SCALE N/A

SIZE A

2233

**PE PASTERNAK®**  
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