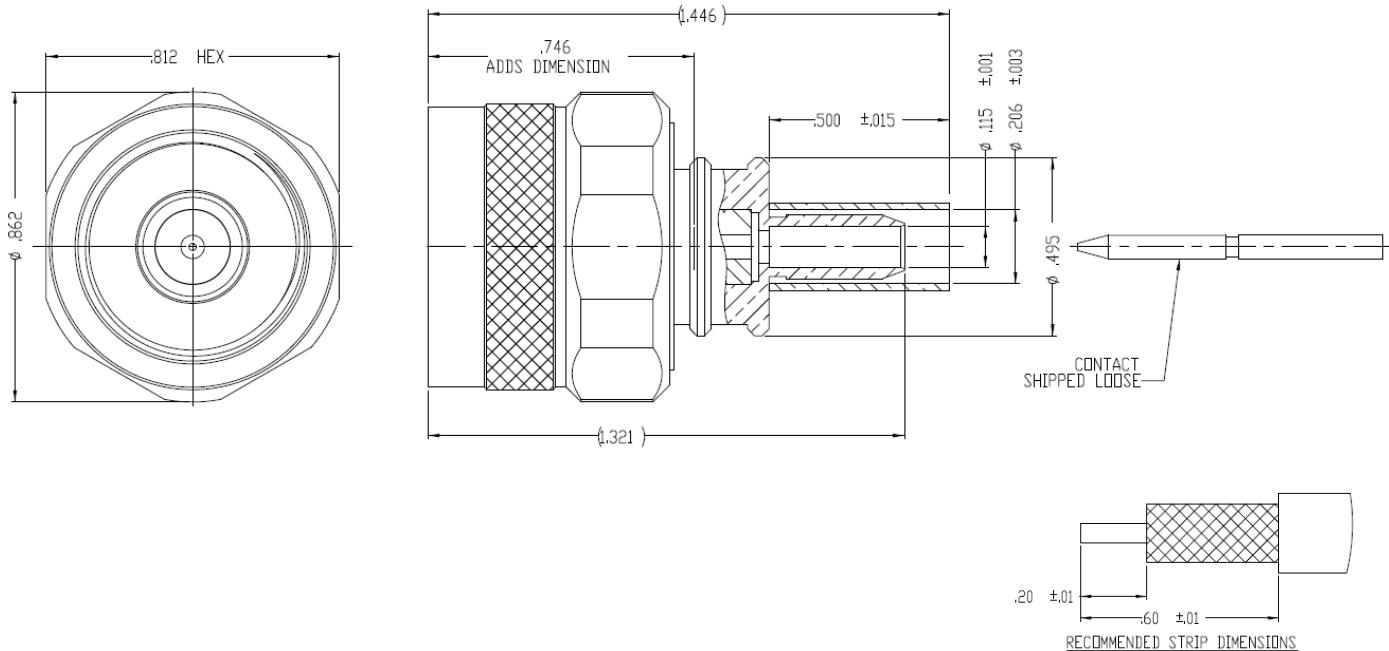


NOTICE OF PROPRIETARY RIGHTS THIS DOCUMENT CONTAINS CONFIDENTIAL TECHNICAL DATA, INCLUDING TRADE SECRETS, PROPRIETARY TO TIMES MICROWAVE SYSTEMS. DISCLOSURE OF THIS DATA IS EXPRESSLY CONDITIONED UPON YOUR ASSENT THAT ITS USE IS LIMITED TO USE WITHIN YOUR COMPANY ONLY. ANY OTHER USE IS STRICTLY PROHIBITED WITHOUT THE PRIOR WRITTEN CONSENT OF TIMES MICROWAVE SYSTEMS.

SYM	REVISION DESCRIPTION	DFTM	DATE	APPD	DATE
A	RELEASED FOR PRODUCTION	N.N.N	1/15/14	J.D.B.	1/15/14



NOTES:

1. ASSEMBLED CONNECTOR INTERFACE IS DESIGNED IN ACCORDANCE WITH MIL-STD-348.

2. MATERIAL:

BODY, CONTACT - BRASS PER ASTM B16, C36000 ALLOY, TEMPER H02  
 INSULATOR - TEFLON PER ASTM D1710, TYPE 1, GRADE 1, CLASS A  
 SHRINK SLEEVE - HEAT SHRINKABLE ATUM PER MIL-I-23053/4 (NOT SHOWN)  
 CRIMP SLEEVE - D.H.P. COPPER CDA, ALLOY #122, TEMPER HARD  
 GASKET - SILICONE RUBBER PER A-A-59588, 50-75 DUROMETER  
 LOCKING RING - PHOSPHOR BRONZE PER ASTM B139, C54400 ALLOY, TEMPER HD

3. FINISH:

CONTACT - GOLD PLATE PER ASTM B488  
 CRIMP SLEEVE - SILVER PLATE PER ASTM B700  
 ALL OTHER METAL PARTS - ALBALOY PLATE

MATERIAL	UNLESS OTHERWISE SPECIFIED		DFTM	N. N. N	TIME MICROWAVE SYSTEMS
	ALL DIMENSIONS ARE IN INCHES	MACHINED SURFACES FINISH 63 RMS MAX.	DATE	1/15/14	
USED ON:	REMOVE ALL BURRS .004 MAX.	BREAK MACHINE CORNERS .005 MAX. FILLET R.	CHKD	J. D. B.	TC-195-NMH-X
	XX ± .01	XXX ± .005	DATE	1/15/14	CONNECTOR ASSEMBLY
	ANGLES ± 1°	FRACTIONS ± 1/64	APPD	J. D. B.	N Male for LMR-195
SCALE: NONE	DWG SIZE A	DO NOT SCALE DRAWING	CODE IDENT	68999	DATE 1/15/14
			SH	1 of 1	SD3190-2880 REV A



Mini UHF Male Connector Crimp/Solder Attachment for RG58,  
 RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch

## RF Connectors Technical Data Sheet

PE4342

### Configuration

- Mini UHF Male Connector
- 50 Ohms
- Straight Body Geometry

- RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch Interface Type
- Crimp/Solder Attachment

### Features

- Max. Operating Frequency 2.5 GHz
- Good VSWR of 1.5:1

- Gold Plated Brass Contact
- 30  $\mu$ in minimum contact plating

### Applications

- General Purpose Test
- Custom Cable Assemblies

### Description

Pasternack's PE4342 Mini UHF male connector with crimp/solder attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195 and 0.195 inch is part of our full line of RF components available for same-day shipping. Our Mini UHF male connector operates up to a maximum frequency of 2.5 GHz and offers good VSWR of 1.5:1.

Our Mini UHF male connector PE4342 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		2.5	GHz
VSWR			1.5:1	
Operating Voltage (AC)			335	Vrms

### Mechanical Specifications

Size	
Length	1.098 in [27.89 mm]
Width/Dia.	0.452 in [11.48 mm]
Weight	0.018 lbs [8.16 g]

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 Connector Crimp/Solder Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch PE4342](#)



Mini UHF Male Connector Crimp/Solder Attachment for RG58,  
 RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch

## RF Connectors Technical Data Sheet

PE4342

### Material Specifications

Description	Material	Plating
Contact	Brass	Gold 30 $\mu$ in minimum
Insulation	PTFE	
Body	Brass	Nickel 100 $\mu$ in minimum
Coupling Nut	Brass	Nickel 100 $\mu$ in minimum

### Environmental Specifications

#### Temperature

Operating Range

-55 to +85 deg C

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

### Plotted and Other Data

Notes:

Mini UHF Male Connector Crimp/Solder Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch 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.

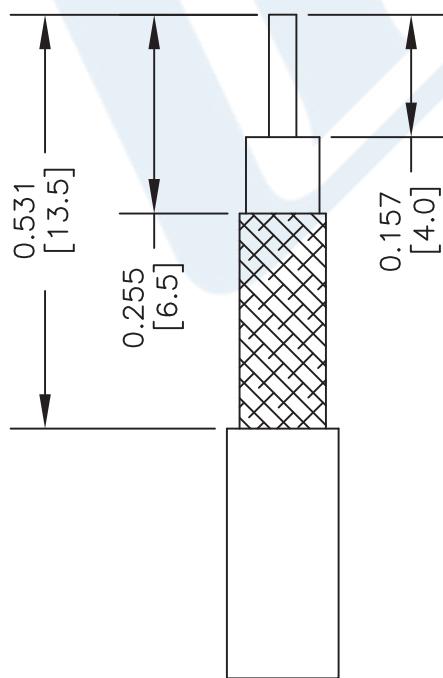
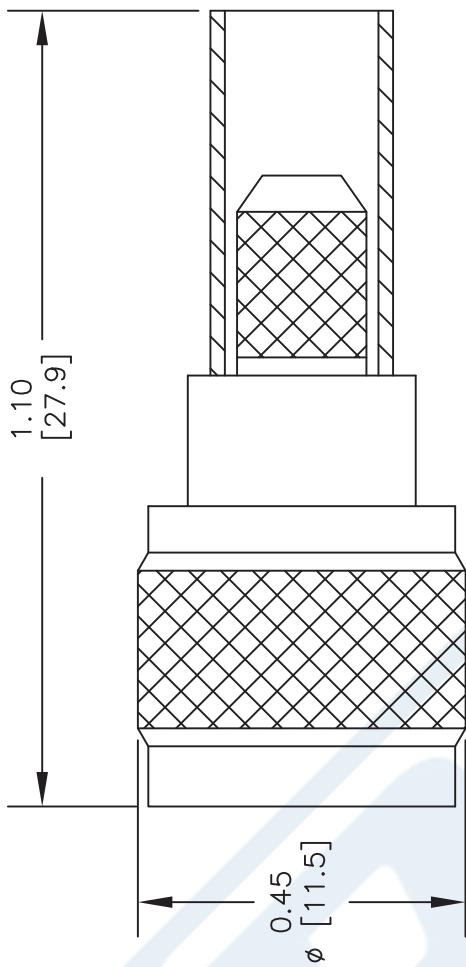
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Mini UHF Male Connector Crimp/Solder Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch PE4342](#)

URL: <https://www.pasternack.com/mini-uhf-male-standard-rg58-connector-pe4342-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.

# PE4342 CAD Drawing

Mini UHF Male Connector Crimp/Solder Attachment for RG58,  
RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch



## STRIPPING DIMENSIONS

## CRIMP SIZE REQUIRED

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



Pasternack Enterprises, Inc.  
P.O. Box 16759 | Irvine | CA | 92623

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

Website: [www.pasternack.com](http://www.pasternack.com) | E-Mail: [sales@pasternack.com](mailto:sales@pasternack.com)

DWG TITLE	PE4342
FSCM NO.	53919

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.

SCALE	N/A	SIZE	A	2233
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## Flexible RG303 Coax Cable Single Shielded with Tan FEP Jacket

### TECHNICAL DATA SHEET

**RG303/U**

#### Flexible RG303 Coax Cable Single Shielded with Tan FEP Jacket

##### Configuration

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

##### Electrical Specifications

Impedance, Ohms	50
Maximum Operating Frequency, GHz	3
Capacitance, pF/ft [pF/m]	32 [104.99]
Dielectric Withstanding Voltage, Vrms	5,000

##### Electrical Specifications by Frequency

###### Frequency 1

Frequency, MHz	400
Attenuation, dB/100ft [dB/100m]	8.6 [28.22]

##### Mechanical Specifications

###### Inner Conductor

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

###### Dielectric:

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

###### Shield:

Number of	1
Material 1	Silver Plated Copper Braid
Diameter, in [mm]	0.146 [3.71]

###### Jacket:

Material	FEP
Diameter, in [mm]	0.17 [4.32]
Color	Tan
Weight, lbs/ft [Kg/m]	0.039 [0.06]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG303 Coax Cable Single Shielded with Tan FEP Jacket RG303/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.



## Flexible RG303 Coax Cable Single Shielded with Tan FEP Jacket

### TECHNICAL DATA SHEET

RG303/U

#### 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

Flexible RG303 Coax Cable Single 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.

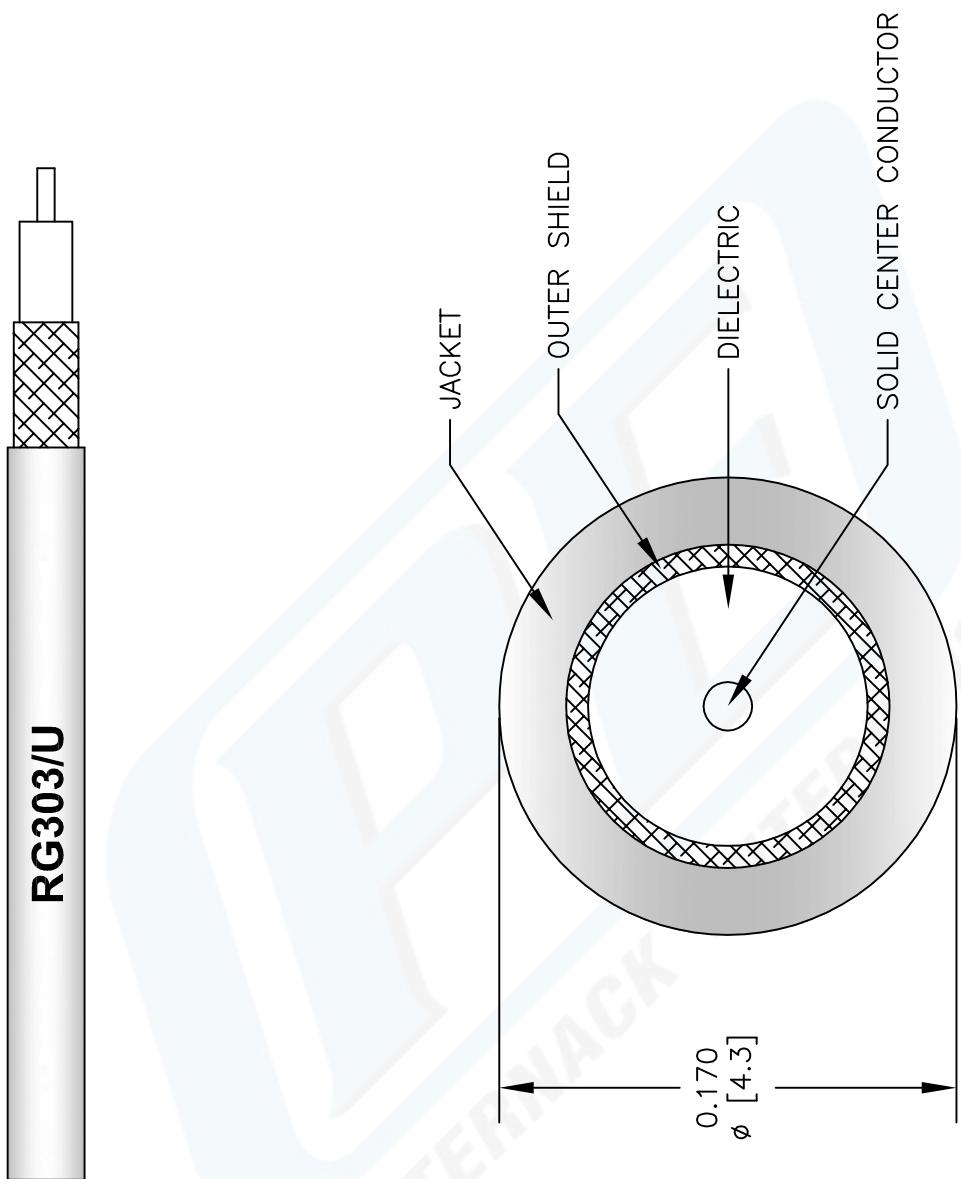
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG303 Coax Cable Single Shielded with Tan FEP Jacket RG303/U](http://www.pasternack.com/flexible-0.170-rg303-50-ohm-coax-cable-fep-jacket-rg303-u-p.aspx)

URL: <http://www.pasternack.com/flexible-0.170-rg303-50-ohm-coax-cable-fep-jacket-rg303-u-p.aspx>

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# RG303/U CAD Drawing

Flexible RG303 Coax Cable Single 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		RG303/U		
REV. A	FSCM NO.	53919	CAD FILE	022908-A
SCALE	N/A	SIZE	A	147

<b>PE</b> <b>PASTERNAK</b> Pasternack Enterprises, Inc. P.O. Box 16759   Irvine   CA   92623 Phone: (949) 261-1920   Fax: (949) 261-7451 Website: <a href="http://www.pasterнак.com">www.pasterнак.com</a>   E-Mail: <a href="mailto:sales@pasterнак.com">sales@pasterнак.com</a>
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