



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

RF Connectors Technical Data Sheet

PE4215

Configuration

- SMA Male Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, .195 inch Interface Type
- Crimp/Solder Attachment
- 5/16 inch Hex

Features

- Max. Operating Frequency 12.4 GHz
- Good VSWR of 1.5:1
- Gold Plated Brass Contact
- 50 µin minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4215 SMA male connector with crimp/solder attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195 and .195 inch is part of our full line of RF components available for same-day shipping. Our SMA male connector operates up to a maximum frequency of 12.4 GHz and offers good VSWR of 1.5:1.

Our SMA male connector PE4215 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		12.4	GHz
VSWR			1.5:1	
Operating Voltage (AC)			500	Vrms
Dielectric Withstanding Voltage (AC)			1,000	Vrms

Mechanical Specifications

Size

Length	0.906 in [23.01 mm]
Width/Dia.	0.315 in [8.00 mm]
Weight	0.016 lbs [7.26 g]
Mating Torque	3 to 5 in-lbs [0.34 to 0.57 Nm]

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 Crimp/Solder Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch PE4215](#)



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Material Specifications

Description	Material	Plating
Contact	Brass	Gold 50 µin minimum
Insulation	PTFE	
Body	Brass	Nickel 100 µin minimum
Coupling Nut	Brass	Nickel 100 µin minimum
Crimp Sleeve	Brass	Nickel

Environmental Specifications

Temperature

Operating Range -65 to +165 deg C

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

Plotted and Other Data

Notes:

Assembly Instruction

SMA 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 99.4% availability and are part of the broadest selection in the industry.

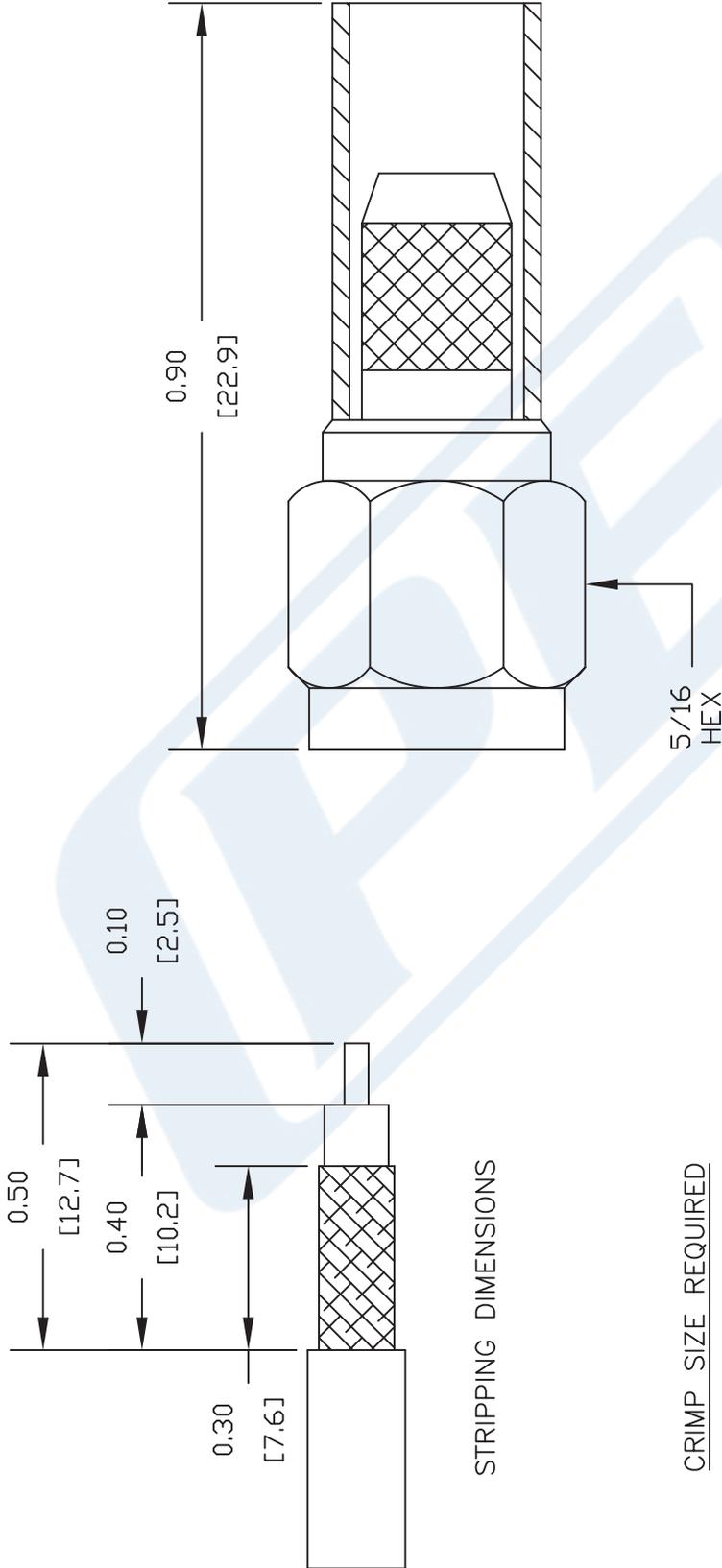
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URL: <https://www.pasternack.com/sma-male-standard-rg58-connector-pe4215-p.aspx>

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.

PE4215 CAD Drawing

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



STRIPPING DIMENSIONS

CRIMP SIZE REQUIRED

CONTACT: SOLDER

FERRULE: .213" HEX CRIMP TOOL

DWG TITLE

PE4215

- 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.

REV. -

FSCM NO. 53919

CAD FILE 010611

SCALE N/A

SIZE A

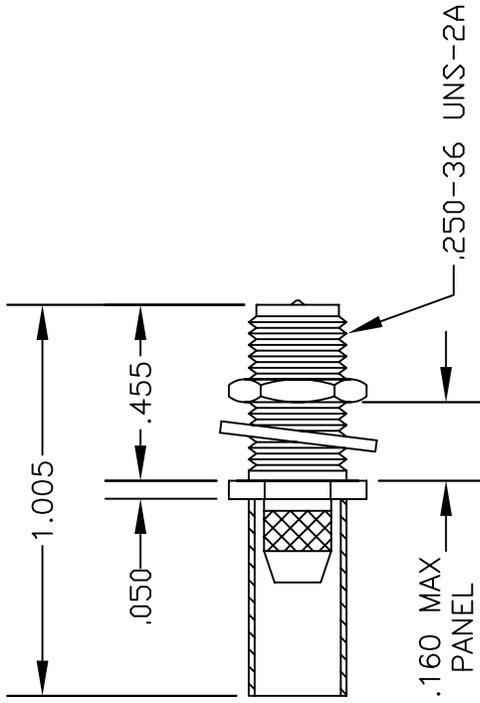
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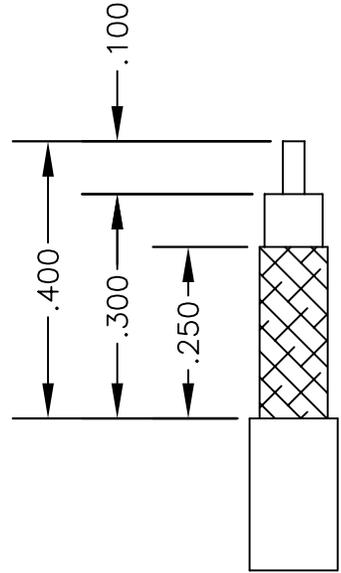
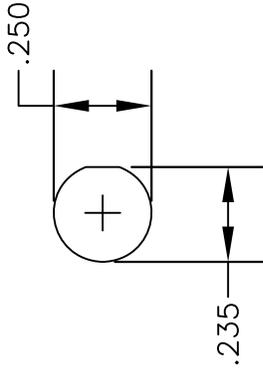
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MATERIALS

BODY	BRASS NICKEL PLATED
CONTACT	GOLD PLATED
INSULATOR	PTFE



MOUNTING HOLE



STRIPPING DIMENSIONS

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



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COAXIAL & FIBER OPTICS

DWG TITLE		DES.	
PE4857		REVERSE POLARITY SMA FEMALE, BULKHEAD, CRIMP ATTACHMENT FOR RG58	
SIZE A	FSCM NO. 53919	CAD FILE	062402
		SCALE	N/A
			127

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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](#)

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Flexible RG303 Coax Cable Single Shielded with Tan FEP Jacket

TECHNICAL DATA SHEET

RG303/U

Compliance Certifications (visit 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.

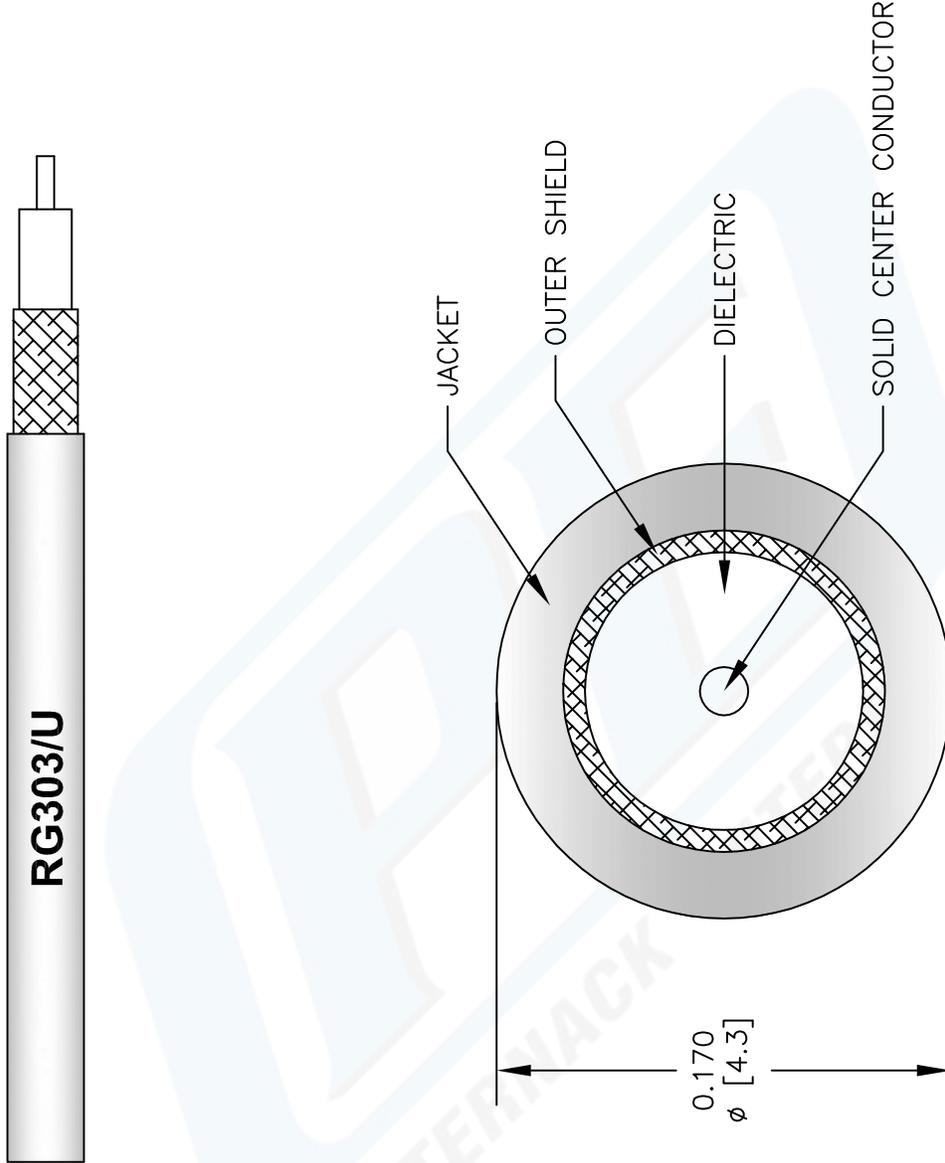
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG303 Coax Cable Single Shielded with Tan FEP Jacket RG303/U](#)

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



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DWG TITLE
RG303/U

CAD FILE	022908-A	SCALE	N/A	SIZE	A	147
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REV. A	FSCM NO. 53919
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