



Reverse Polarity SMA Male Right Angle Connector Crimp/
Solder Attachment for RG58, RG141, PE-C195, PE-P195

RF Connectors Technical Data Sheet

PE45012

Configuration

- SMA Male Reverse Polarity Connector
- 50 Ohms
- Right Angle Body Geometry
- RG58, RG141, PE-C195, PE-P195 Interface Type
- Crimp/Solder Attachment
- 5/16 in Hex

Mechanical Specifications

Size

Length	0.63 in [16 mm]
Width/Dia.	0.312 in [7.92 mm]
Height	0.79 in [20.07 mm]
Weight	0.013 lbs [5.9 g]
Mating Torque	5 in-lbs [0.57 Nm]

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold
Insulation	PTFE	
Body	Brass	Nickel
Coupling Nut	Brass	Nickel

Compliance Certifications (visit www.Pasternack.com for current document)
RoHS Compliant

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Reverse Polarity SMA Male Right Angle Connector Crimp/Solder Attachment for RG58, RG141, PE-C195, PE-P195 PE45012](#)



Reverse Polarity SMA Male Right Angle Connector Crimp/ Solder Attachment for RG58, RG141, PE-C195, PE-P195

RF Connectors Technical Data Sheet

PE45012

Plotted and Other Data

Notes:

Reverse Polarity SMA Male Right Angle Connector Crimp/Solder Attachment for RG58, RG141, PE-C195, PE-P195 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.

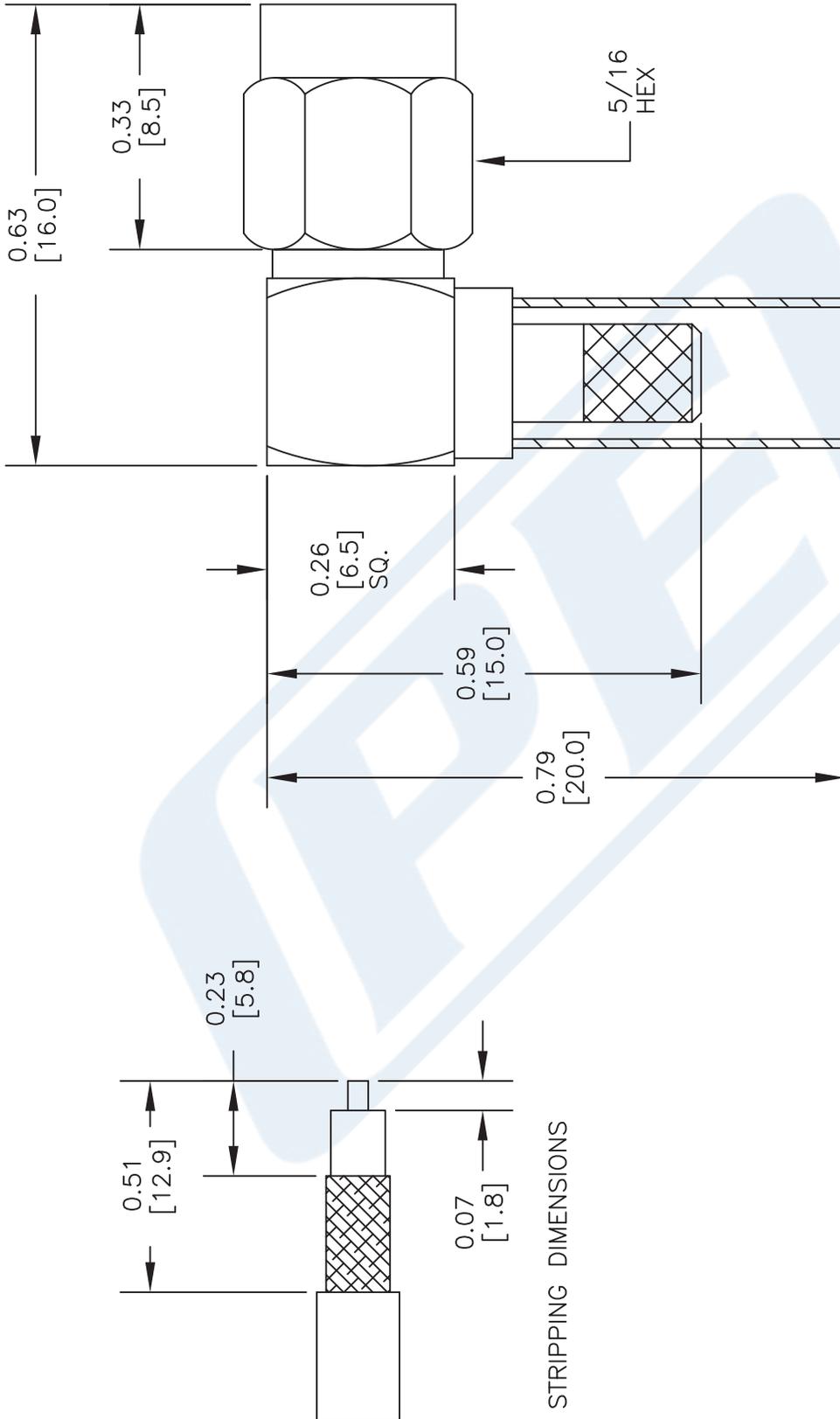
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Reverse Polarity SMA Male Right Angle Connector Crimp/Solder Attachment for RG58, RG141, PE-C195, PE-P195 PE45012](http://www.pasternack.com/sma-male-reverse-polarity-rg58-rg141-pe-c195-pe-p195-connector-pe45012-p.aspx)

URL: <http://www.pasternack.com/sma-male-reverse-polarity-rg58-rg141-pe-c195-pe-p195-connector-pe45012-p.aspx>

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PE45012 CAD Drawing

Reverse Polarity SMA Male Right Angle Connector Crimp/Solder
Attachment for RG58, RG141, PE-C195, PE-P195



DWG TITLE

PE45012

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 110215

SCALE N/A

SIZE A

2233



THE ENGINEER'S RF SOURCE
 Pasternack Enterprises, Inc.
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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 μ m 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]

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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

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.

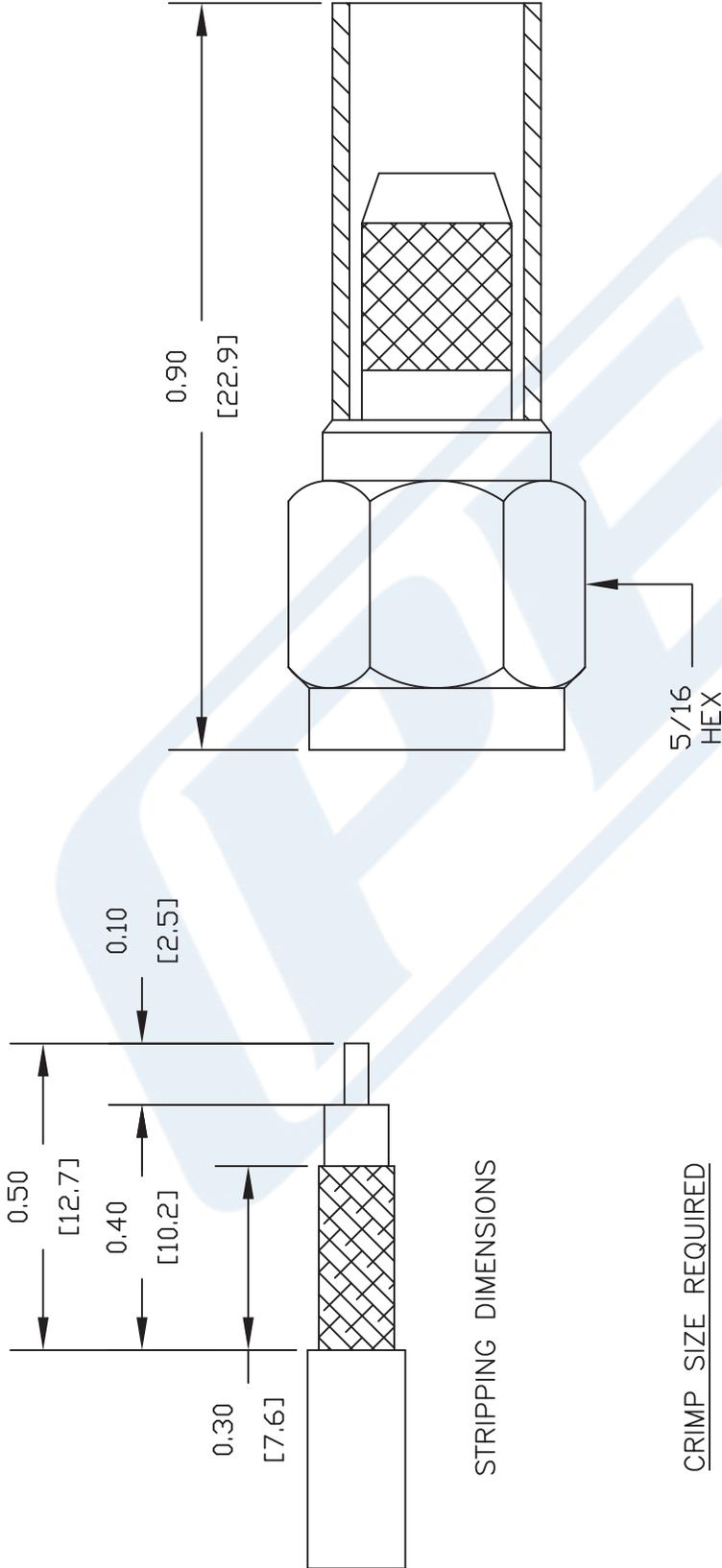
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URL: <https://www.pasternack.com/sma-male-standard-rg58-connector-pe4215-p.aspx>

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PE4215 CAD Drawing

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



DWG TITLE

PE4215

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

REV. -

FSCM NO. 53919

CAD FILE 010611

SCALE N/A

SIZE A

127



PASTERNAK®
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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

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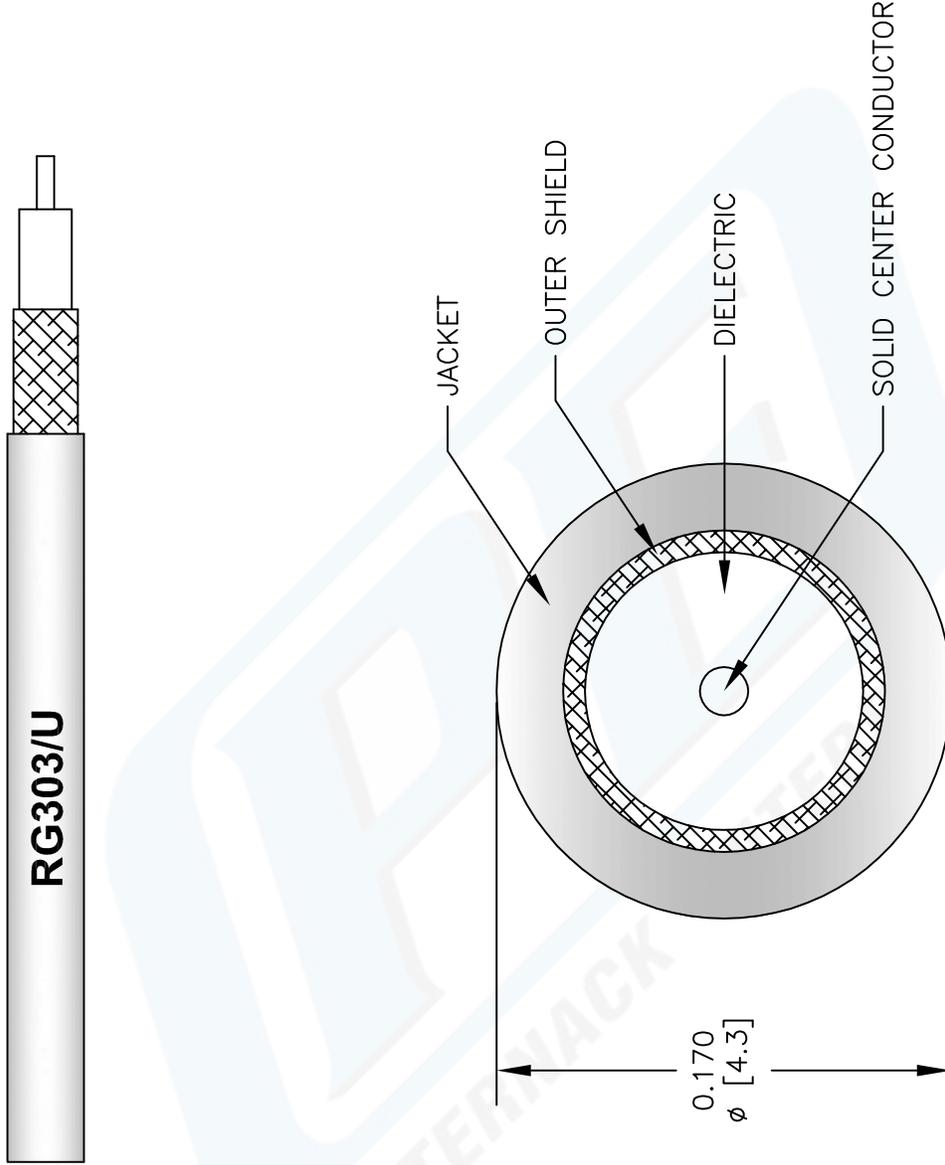
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG303 Coax Cable Single Shielded with Tan FEP Jacket RG303/U](#)

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

REV. A FSCM NO. 53919

CAD FILE 022908-A SCALE N/A SIZE A 147

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