



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

RF Connectors Technical Data Sheet

PE44503

Configuration

- QMA Male Connector
- 50 Ohms
- Straight Body Geometry
- PE-C195, PE-P195, RG58, RG141, RG303, LMR-195, 0.195 inch Interface Type
- Crimp/Solder Attachment

Features

- Max. Operating Frequency 6 GHz
- Excellent VSWR of 1.15:1
- Gold Plated Brass Contact

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE44503 QMA male connector with crimp/solder attachment for PE-C195, PE-P195, RG58, RG141, RG303, LMR-195 and 0.195 inch is part of our full line of RF components available for same-day shipping. Our QMA male connector operates up to a maximum frequency of 6 GHz and offers excellent VSWR of 1.15:1.

Our QMA male connector PE44503 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		6	GHz
VSWR			1.15:1	
Operating Voltage (AC)			333	Vrms
Dielectric Withstanding Voltage (AC)			1,000	Vrms

Mechanical Specifications

Size	
Length	0.932 in [23.67 mm]
Width/Dia.	0.41 in [10.41 mm]
Weight	0.015 lbs [6.8 g]
Mating Cycles	500 Cycles

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [QMA Male Connector Crimp/Solder Attachment for PE-C195, PE-P195, RG58, RG141, RG303, LMR-195, 0.195 inch PE44503](#)



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Material Specifications

Description	Material	Plating
Contact	Brass	Gold
Insulation	PTFE	
Outer Conductor	Phosphor Bronze	Tri-Metal
Body	Brass	Tri-Metal

Environmental Specifications

Temperature

Operating Range -65 to +165 deg C

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

Plotted and Other Data

Notes:

QMA Male Connector Crimp/Solder Attachment for PE-C195, PE-P195, RG58, RG141, RG303, 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.

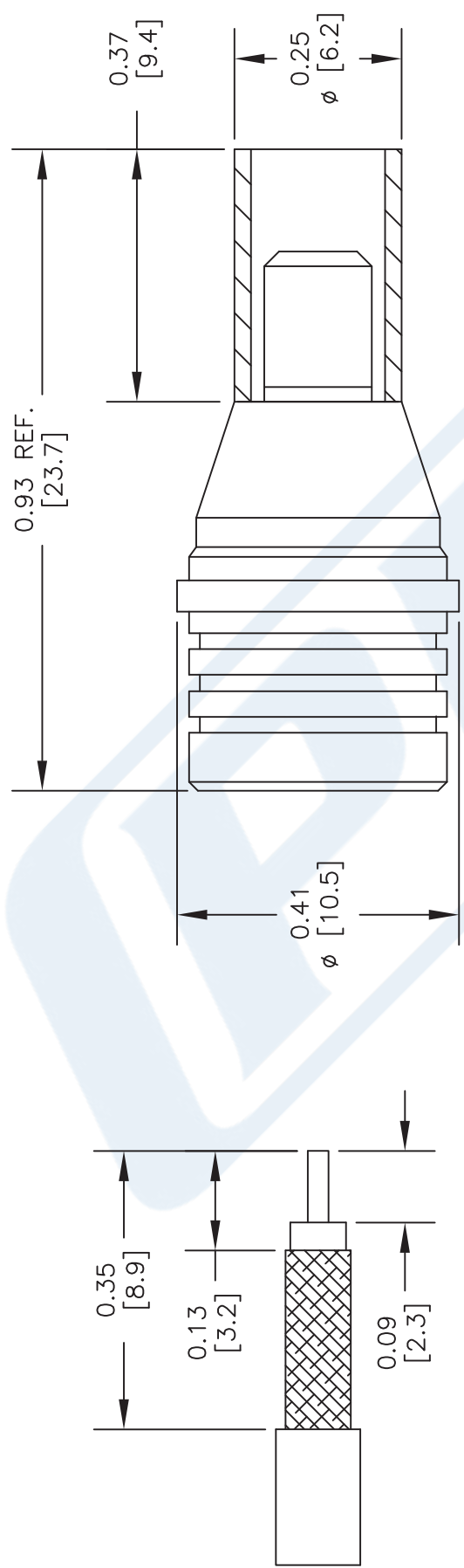
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URL: <https://www.pasternack.com/qma-male-standard-rg58-rg141-connector-pe44503-p.aspx>

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PE44503 CAD Drawing

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



STRIPPING DIMENSIONS

CRIMP SIZE REQUIRED

CONTACT: SOLDER
FERRULE: .213" HEX CRIMP TOOL

PE PASTERNAK®
THE ENGINEER'S RF SOURCE
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

DWG TITLE
PE44503

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. G	FSCM NO. 53919	CAD FILE 032312	SCALE N/A	SIZE A	2233
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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

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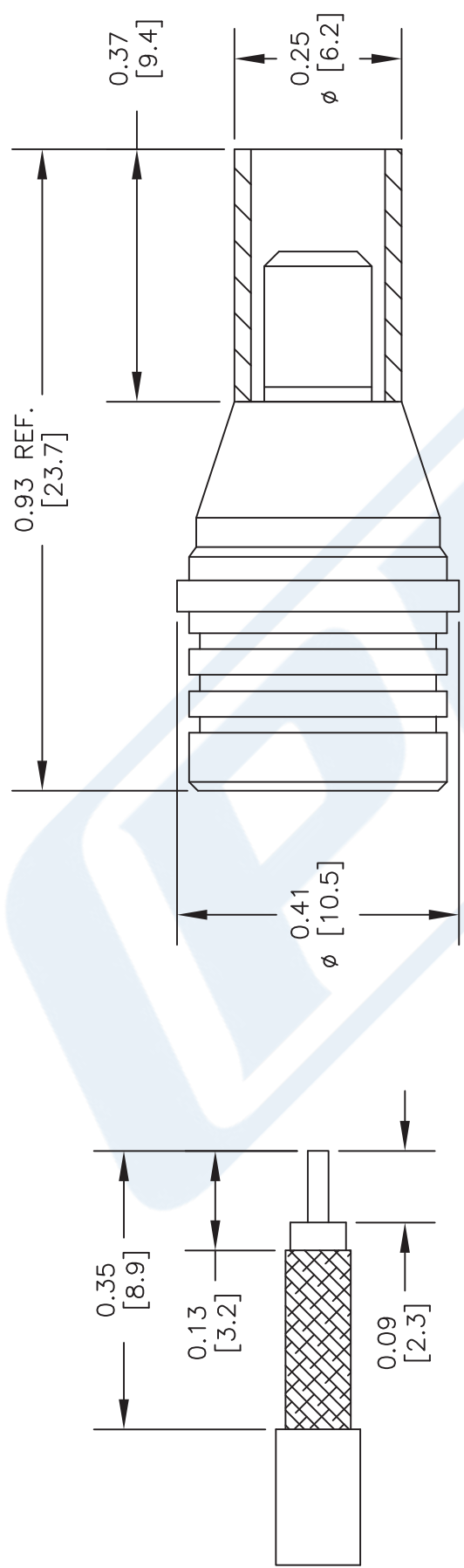
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URL: <https://www.pasternack.com/qma-male-standard-rg58-rg141-connector-pe44503-p.aspx>

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REV. G	FSCM NO. 53919	CAD FILE 032312	SCALE N/A	SIZE A	2233
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Low Loss Flexible RG142 Type Coax Cable
Triple Shielded with Tan FEP Jacket

TECHNICAL DATA SHEET

PE-P195

Low Loss Flexible RG142 Type Coax Cable Triple Shielded with Tan FEP Jacket

Configuration

Cable Design	Low Loss
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Shield Materials	Silver Plated Copper, Aluminum Tape
Jacket Material and Color	FEP, Tan

Electrical Specifications

Impedance, Ohms	50
Capacitance, pF/ft [pF/m]	29 [95.14]
Jacket Spark, Vrms	2,000

Electrical Specifications by Frequency

Frequency 1

Frequency, MHz	500
Attenuation, dB/100ft [dB/100m]	9 [29.53]

Frequency 2

Frequency, MHz	1000
Attenuation, dB/100ft [dB/100m]	12.5 [41.01]

Frequency 3

Frequency, GHz	3
Attenuation, dB/100ft [dB/100m]	23.3 [76.44]

Frequency 4

Frequency, GHz	5
Attenuation, dB/100ft [dB/100m]	31 [101.71]

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]	0.11 [2.79]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Low Loss Flexible RG142 Type Coax Cable Triple Shielded with Tan FEP Jacket PE-P195](#)

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Low Loss Flexible RG142 Type Coax Cable
Triple Shielded with Tan FEP Jacket

TECHNICAL DATA SHEET

PE-P195

Shield:

Number of	3
Material 1	Silver Plated Copper
Material 2	Aluminum Tape
Material 3	Silver Plated Copper Braid
Diameter, in [mm]	0.155 [3.94]

Jacket:

Material	FEP
Diameter, in [mm]	0.195 [4.95]
Color	Tan
Weight, lbs/ft [Kg/m]	0.002 [0]

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

RoHS Compliant	Yes
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Plotted and Other Data

Notes:	Values at 25 °C, sea level
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Low Loss Flexible RG142 Type Coax Cable Triple 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.

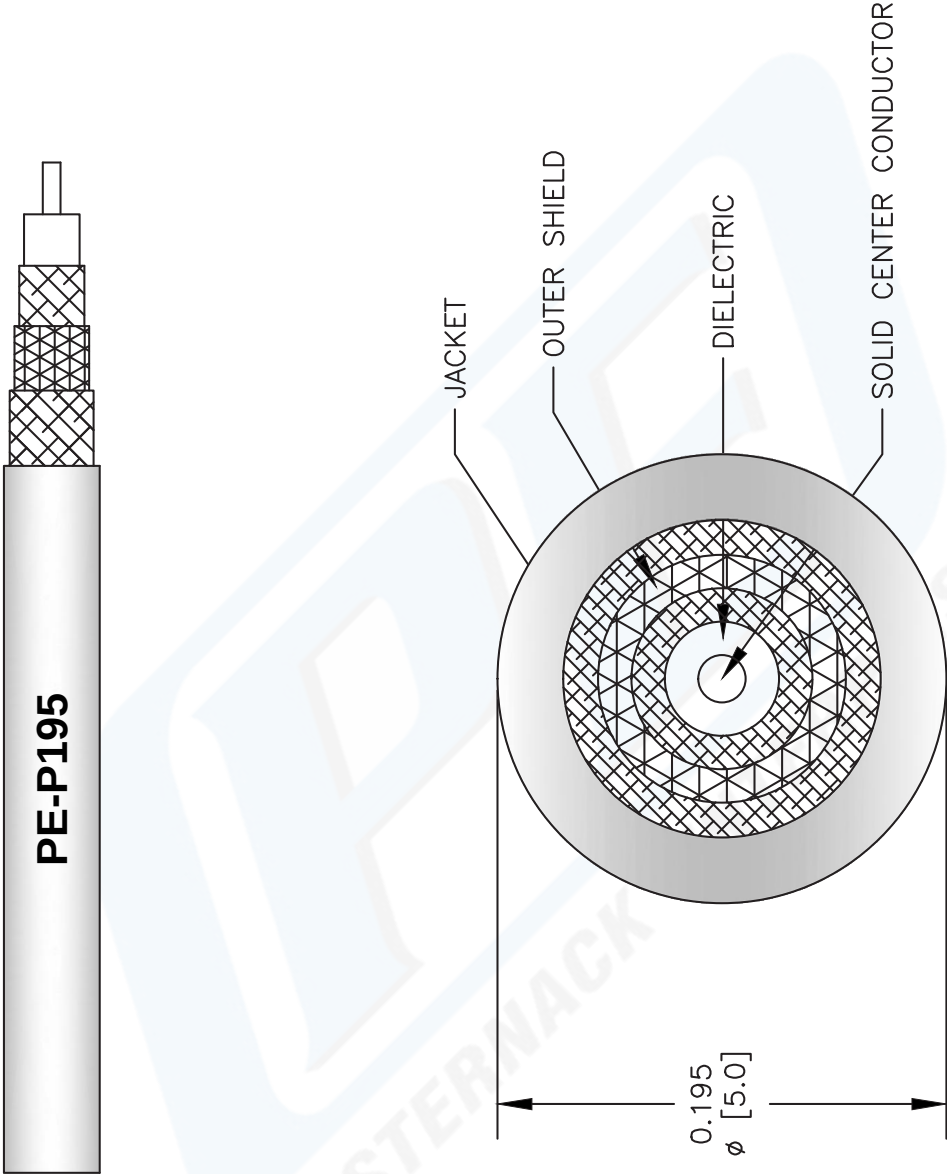
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PE-P195 CAD Drawing

Low Loss Flexible RG142 Type Coax Cable Triple Shielded with Tan FEP Jacket



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DWG TITLE

PE-P195

REV. D

FSCM NO. 53919

CAD FILE 081512-D

SCALE N/A

SIZE A

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