



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](#)



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

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.

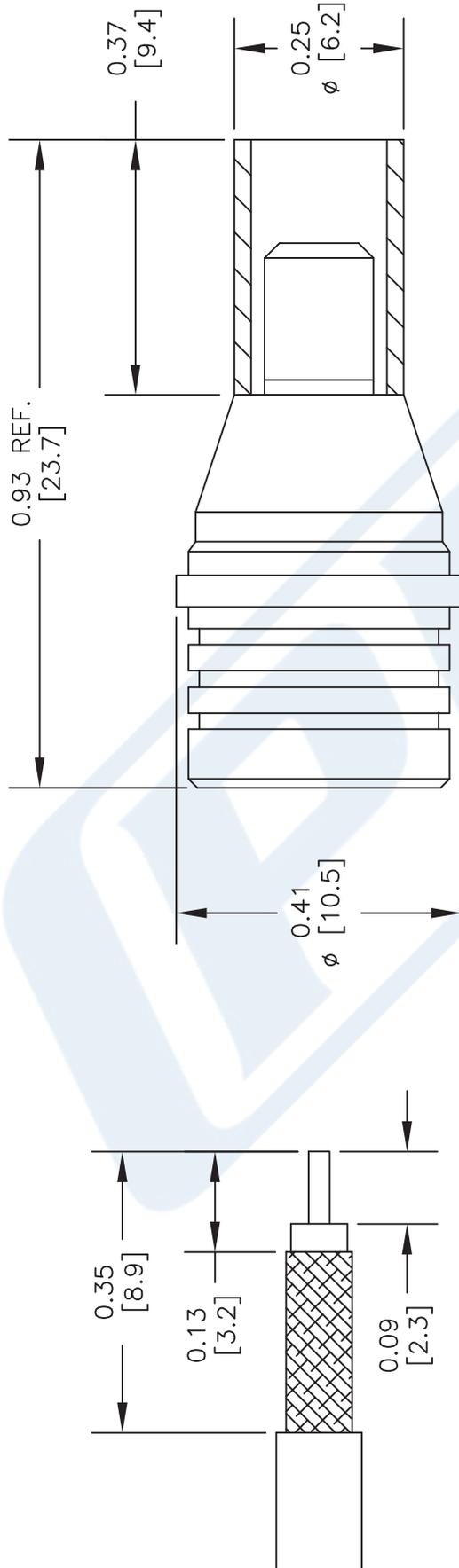
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [QMA Male Connector Crimp/Solder Attachment for PE-C195, PE-P195, RG58, RG141, RG303, LMR-195, 0.195 inch PE44503](#)

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

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

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



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



N Male Connector Crimp/Solder Attachment for LMR-195, PE-C195

RF Connectors Technical Data Sheet



TC-195-NMH-X

Times Microwave Systems Connector Specification

Configuration

- N Male Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: LMR-195, PE-C195
- 13/16 Inch Hex

Features

- Max. Operating Frequency 8 GHz
- Good VSWR of 1.3:1
- Gold Plated Brass Contact
- 50 μ m minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's TC-195-NMH-X type N male connector with crimp/solder attachment for LMR-195 and PE-C195 is part of our full line of RF components available for same-day shipping. Our type N male connector operates up to a maximum frequency of 8 GHz and offers good VSWR of 1.3:1.

Our type N male connector TC-195-NMH-X 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 | | 8 | GHz |
| VSWR | | | 1.3:1 | |
| Insertion Loss | | | 0.28 | dB |
| Dielectric Withstanding Voltage (AC) | | | 1,000 | Vrms |
| Insulation Resistance | 5,000 | | | MOhms |

Mechanical Specifications

Size

| | |
|---------------|----------------------------------|
| Length | 1.4 in [35.56 mm] |
| Width/Dia. | 0.81 in [20.57 mm] |
| Weight | 0.084 lbs [38.1 g] |
| Mating Cycles | 500 Cycles |
| Mating Torque | 9 to 14 in-lbs [1.02 to 1.58 Nm] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Connector Crimp/Solder Attachment for LMR-195, PE-C195 TC-195-NMH-X](#)



N Male Connector Crimp/Solder Attachment for LMR-195, PE-C195

RF Connectors Technical Data Sheet



TC-195-NMH-X

Material Specifications

| Description | Material | Plating |
|--------------|----------|------------------------|
| Contact | Brass | Gold 50 µin minimum |
| Insulation | Teflon | |
| Body | Brass | Tri-Metal |
| Coupling Nut | Brass | Tri-Metal |

Environmental Specifications

Temperature

Operating Range

-40 to 125 deg C

Shock

MIL-STD 202G, Meth. 213, Cond. I

Vibration

MIL-STD 202G, Meth. 204, Cond. B

Thermal Shock

MIL-STD-202G, Meth. 107, Cond. B

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

Plotted and Other Data

Notes:

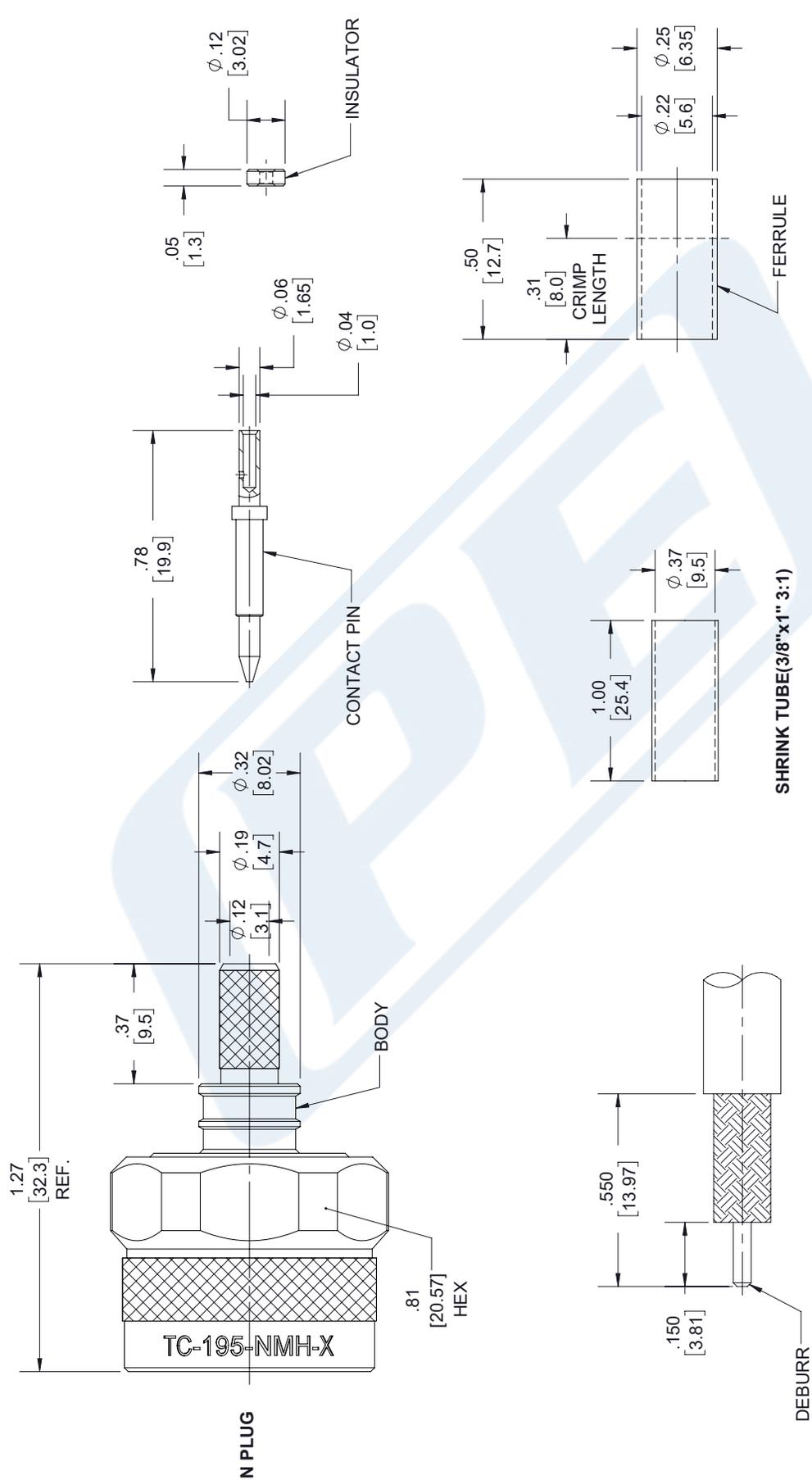
N Male Connector Crimp/Solder Attachment for LMR-195, PE-C195 from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Connector Crimp/Solder Attachment for LMR-195, PE-C195 TC-195-NMH-X](#)

URL: <https://www.pasternack.com/n-male-lmr-195-pe-c195-connector-tc-195-nmh-x-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.

| REVISIONS | | | |
|-----------|---------------------------|----------|----------|
| REV. | DESCRIPTION | DATE | APPROVED |
| A | PCR TC-195-NMH-X 20200625 | 07/01/20 | SRAUTUS |



PE PASTERNAK
 an INFINITE brand

Pasternack Enterprises, Inc.
 P.O. Box 16759, Irvine, CA 92623.
 Phone: 1.949.261.1920 | 1.866.727.8376
 Fax: 1.949.261.7451
 Website: www.pasternack.com
 E-mail: sales@pasternack.com

UNLESS OTHERWISE SPECIFIED
 LEADING DIMENSIONS ARE INCHES
 DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:

| | | | |
|---|--------|------------------------------|--------|
| .X = ±.2 | [5.08] | FRACTIONS | ± 1/32 |
| .XX = ±.02 | [.51] | ANGLES ± 1° | |
| .XXX = ±.005 | [.13] | CABLE LENGTH (L) TOLERANCES: | |
| L ≤ 12 [305] = +1 [25] / -0 | | | |
| 12 [305] < L ≤ 60 [1524] = +2 [51] / -0 | | | |
| 60 [1524] < L ≤ 120 [3048] = +4 [102] / -0 | | | |
| 120 [3048] < L ≤ 300 [7620] = +6 [152] / -0 | | | |
| 300 [7620] < L = +5%L / -0 | | | |

ALL DIMENSIONS SHOWN
 ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION

THE INFORMATION AND DESIGN ARE PROPERTY OF PASTERNAK CORPORATION ALL RIGHTS RESERVED.

SHEET 1 OF 1
 SCALE N/A

| | |
|-----|---|
| REV | A |
| REV | A |

ITEM NO. TC-195-NMH-X

CAGE CODE 53919 DRAWN BY SLI



Low Loss Flexible PE-P195 Coax Cable Triple Shielded with Tan FEP Jacket

RF Cables Technical Data Sheet

PE-P195

Configuration

- Low Loss Flexible Cable
- 3 Shield(s)

Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|--------------------------------------|---------|------------|---------|--------------|
| Frequency Range | DC | | 22 | GHz |
| Impedance | | 50 | | Ohms |
| Velocity of Propagation | | 70 | | % |
| Operating Voltage (AC) | | | 1,900 | Vrms |
| Dielectric Withstanding Voltage (AC) | | | 5,000 | Vrms |
| Nominal Capacitance | | 29 [95.14] | | pF/ft [pF/m] |

Performance by Frequency Band

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|------------------|------|-------|-------|--------|--------|----------|
| Frequency | 0.1 | 0.5 | 1 | 5 | 10 | GHz |
| Attenuation, Typ | 3.9 | 8.8 | 12.5 | 31.5 | 45 | dB/100ft |
| | 12.8 | 28.87 | 41.01 | 103.35 | 147.64 | dB/100m |

| Description | F6 | F7 | F8 | F9 | F10 | Units |
|------------------|--------|--------|--------|-------|-----|----------|
| Frequency | 15 | 18 | 20 | 22 | | GHz |
| Attenuation, Typ | 58 | 65 | 69 | 73 | | dB/100ft |
| | 190.29 | 213.25 | 226.38 | 239.5 | | dB/100m |

Mechanical Specifications

| | |
|-----------------------------|--------------------------|
| Diameter | 0.195 in [4.95 mm] |
| Weight | 0.038 lbs/ft [0.06 Kg/m] |
| Min. Bend Radius (Repeated) | 1 in [25.4 mm] |

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 PE-P195 Coax Cable Triple Shielded with Tan FEP Jacket PE-P195](#)



Low Loss Flexible PE-P195 Coax Cable Triple Shielded with Tan FEP Jacket

RF Cables Technical Data Sheet

PE-P195

Construction Specifications

| Description | Material and Plating | Diameter |
|-----------------|--|--------------------|
| Inner Conductor | Copper Clad Steel, Silver, 1 Strands | 0.037 in [0.94 mm] |
| Conductor Type | Solid | |
| Dielectric | PTFE | 0.116 in [2.95 mm] |
| First Shield | Silver Plated Copper Braid 96% coverage | 0.126 in [3.2 mm] |
| Second Shield | Aluminum Tape | 0.132 in [3.35 mm] |
| Third Shield | Silver Plated Copper Braid 96% coverage | 0.155 in [3.94 mm] |
| Jacket | FEP, Tan | 0.195 in [4.95 mm] |

Environmental Specifications

Temperature

Operating Range -55 to +200 deg C

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

Plotted and Other Data

Notes:

Low Loss Flexible PE-P195 Coax Cable Triple Shielded with Tan FEP Jacket 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.

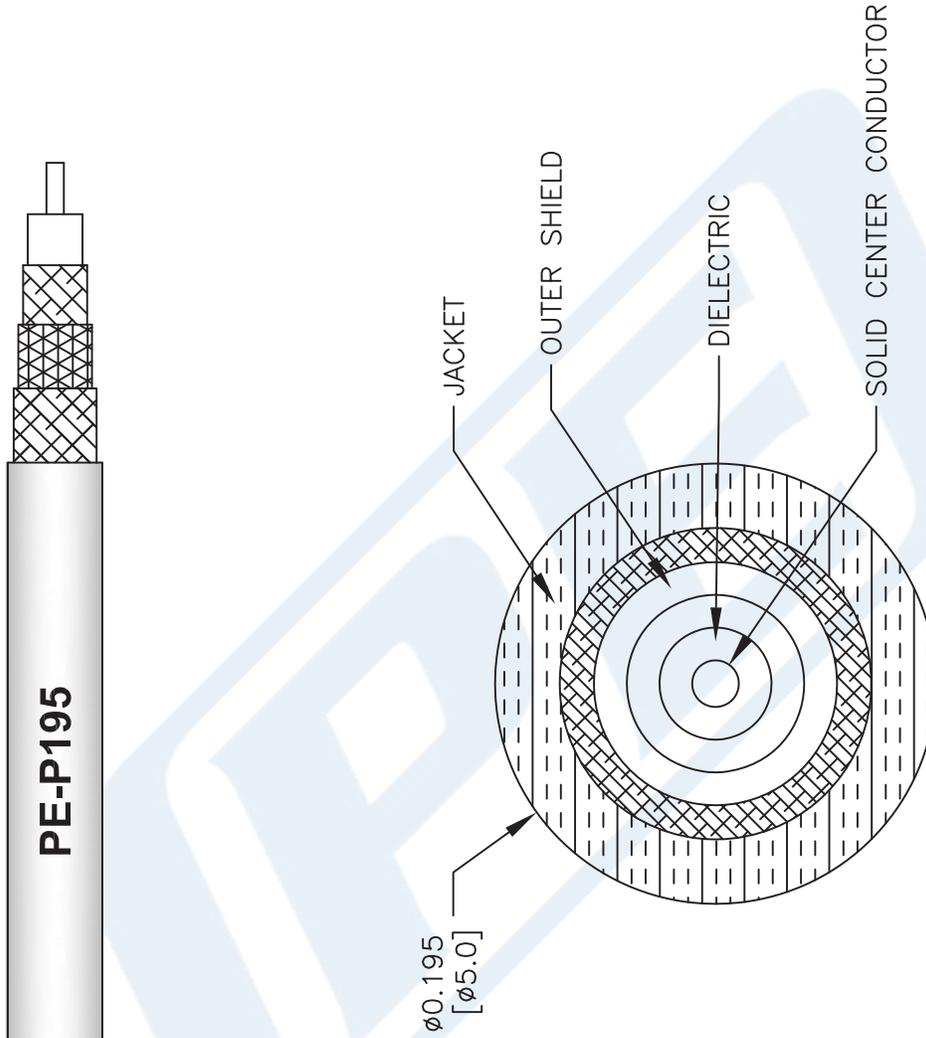
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Low Loss Flexible PE-P195 Coax Cable Triple Shielded with Tan FEP Jacket PE-P195](#)

URL: <https://www.pasternack.com/precision-0.195-rg142-solid-center-conductor-52-ohm-coax-cable-fep-jacket-pe-p195-p.aspx>

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PE-P195 CAD Drawing

Low Loss Flexible PE-P195 Coax Cable Triple 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 | |
| PE-P195 | |
| FSCM NO. 53919 | CAD FILE 111716 |
| SCALE N/A | SIZE A |
| | 41742 |

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