



SMA Male Connector Crimp/Solder Attachment for PE-P195

RF Connectors Technical Data Sheet

PE44203

Configuration

- SMA Male Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry
- PE-P195 Interface Type
- Crimp/Solder Attachment
- 5/16 inch Hex

Features

- Max. Operating Frequency 12.4 GHz
- Gold Plated Brass Contact
- Contact plating according to MIL-G-45204

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE44203 SMA male connector with crimp/solder attachment for PE-P195 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.

Our SMA male connector PE44203 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 |
| Dielectric Withstanding Voltage (AC) | | | 750 | Vrms |
| Insulation Resistance | 5,000 | | | MOhms |

Mechanical Specifications

| Size | |
|---------------|---------------------------------|
| Length | 0.95 in [24.13 mm] |
| Width/Dia. | 0.315 in [8.00 mm] |
| Weight | 0.011 lbs [4.99 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 PE-P195 PE44203](#)



SMA Male Connector Crimp/Solder Attachment for PE-P195

RF Connectors Technical Data Sheet

PE44203

Material Specifications

| Description | Material | Plating |
|--------------|----------|---------------------|
| Contact | Brass | Gold MIL-G-45204 |
| Insulation | PTFE | |
| Body | Brass | Nickel QQ-N-290 |
| Coupling Nut | Brass | Nickel QQ-N-290 |
| 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 PE-P195 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.

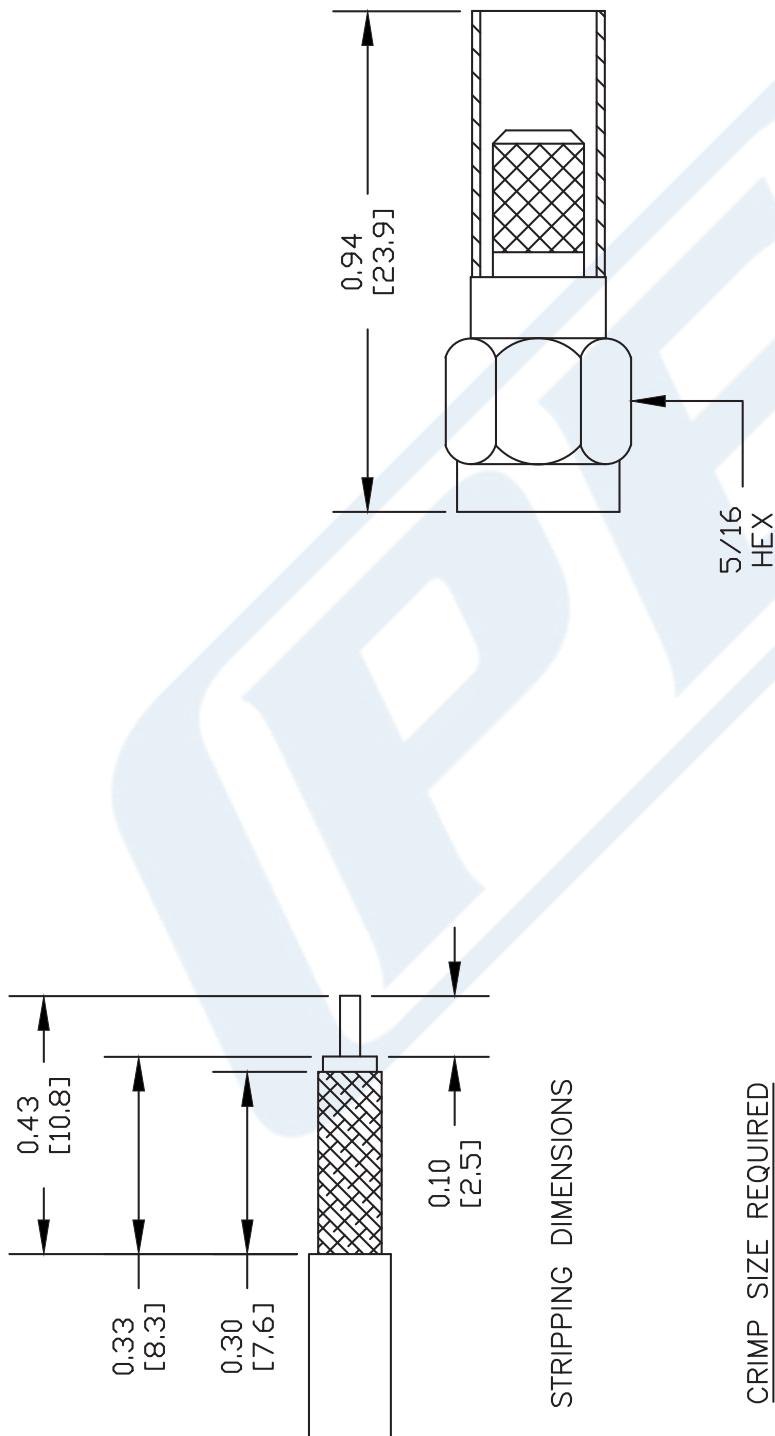
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Connector Crimp/Solder Attachment for PE-P195 PE44203](#)

URL: <https://www.pasternack.com/sma-male-standard-pe-p195-connector-pe44203-p.aspx>

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PE44203 CAD Drawing

SMA Male Connector Crimp/Solder Attachment for PE-P195



CRIMP SIZE REQUIRED

CONTACT: SOLDER
FERRULE: 213" HEX CRIMP TOOL

PASTERNAK®

Pasternack Enterprises, Inc.

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Website: www.pastermack.com | **E-Mail:** sales@pastermack.com

DWG TITLE

PE44203

NOTES:
1. UNL
2. ALL S
3. DIME
4. ETS

REV. A **FSCM NO. 53919** CAD FILE 050609 SCALE N/A SIZE A 127



SMB Plug Right Angle Connector Crimp/Solder Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch

RF Connectors Technical Data Sheet

PE4522

Configuration

- SMB Plug Connector
- MIL-STD-348A
- 50 Ohms
- Right Angle Body Geometry

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

Features

- Max. Operating Frequency 4 GHz
- Good VSWR of 1.3:1

- Gold Plated Beryllium Copper Contact
- 30 μ in minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4522 SMB plug right angle 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 SMB plug connector operates up to a maximum frequency of 4 GHz and offers good VSWR of 1.3:1. Its right angle body geometry allows for easier connections in tight spaces.

Our SMB plug right angle connector PE4522 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 | | 4 | GHz |
| VSWR | | | 1.3:1 | |
| Operating Voltage (AC) | | | 335 | Vrms |

Mechanical Specifications

| Size | |
|------------|--------------------|
| Length | 0.77 in [19.56 mm] |
| Width/Dia. | 0.275 in [6.99 mm] |
| Height | 0.551 in [14 mm] |
| Weight | 0.016 lbs [7.26 g] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMB Plug Right Angle Connector Crimp/Solder Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch PE4522](#)



SMB Plug Right Angle Connector Crimp/Solder Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch

RF Connectors Technical Data Sheet

PE4522

Material Specifications

| Description | Material | Plating |
|-------------|------------------|--------------------------------|
| Contact | Beryllium Copper | Gold 30 μ in minimum |
| Insulation | PTFE | |
| Body | Brass | Nickel 100 μ in minimum |

Environmental Specifications

Temperature

Operating Range

-65 to +165 deg C

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

Plotted and Other Data

Notes:

SMB Plug Right Angle 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.

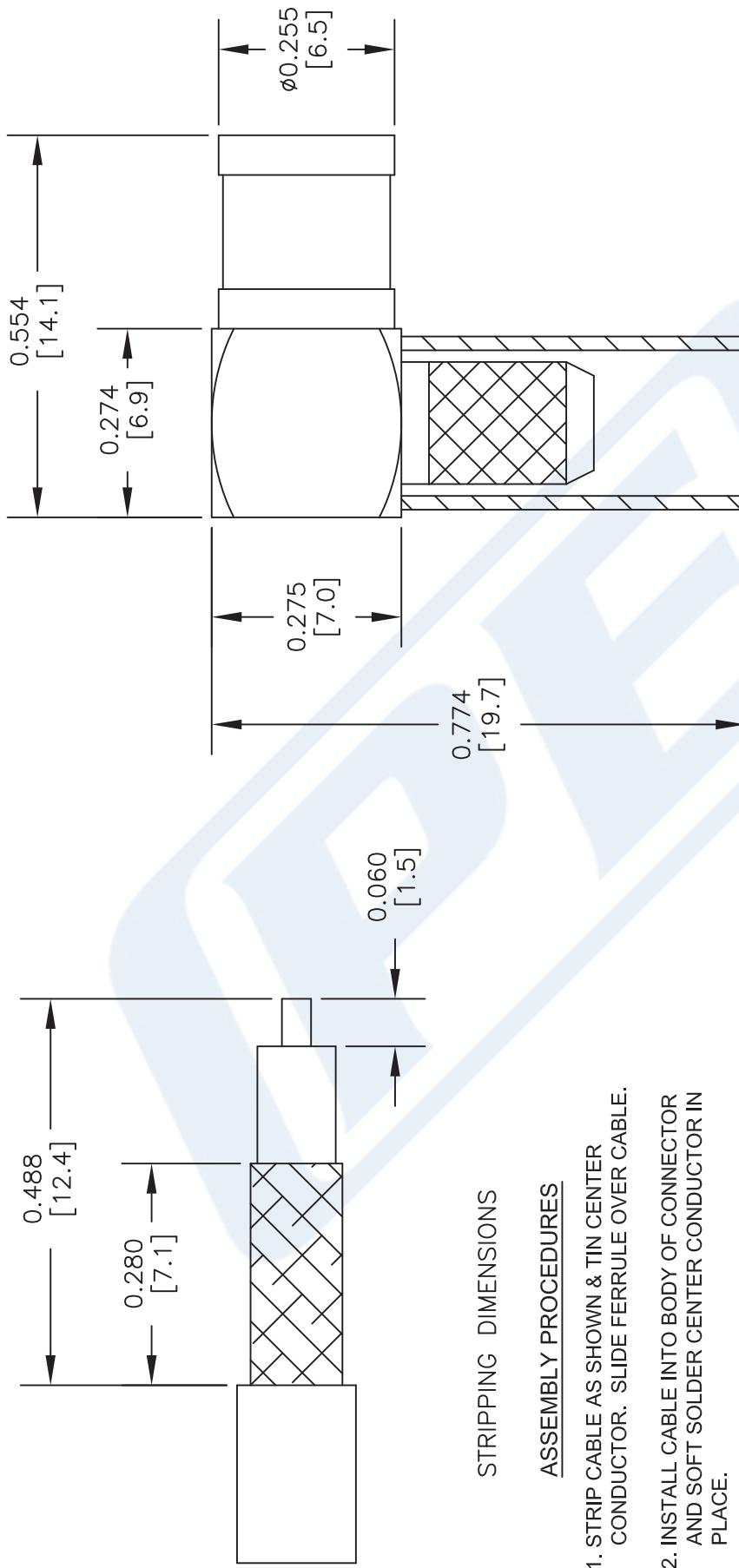
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMB Plug Right Angle Connector Crimp/Solder Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch PE4522](#)

URL: <https://www.pasternack.com/smb-plug-standard-rg58-connector-pe4522-p.aspx>

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PE4522 CAD Drawing

SMB Plug Right Angle Connector Crimp/Solder Attachment for RG58,
RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch



CRIMP SIZE REQUIRED
FERRULE: .213" HEX CRIMP TOOL

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.

| DWG TITLE | PE4522 | SCALE N/A | SIZE A | xxxx |
|----------------|-----------------|-----------|--------|------|
| FSCM NO. 53919 | CAD FILE 101816 | | | |

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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.

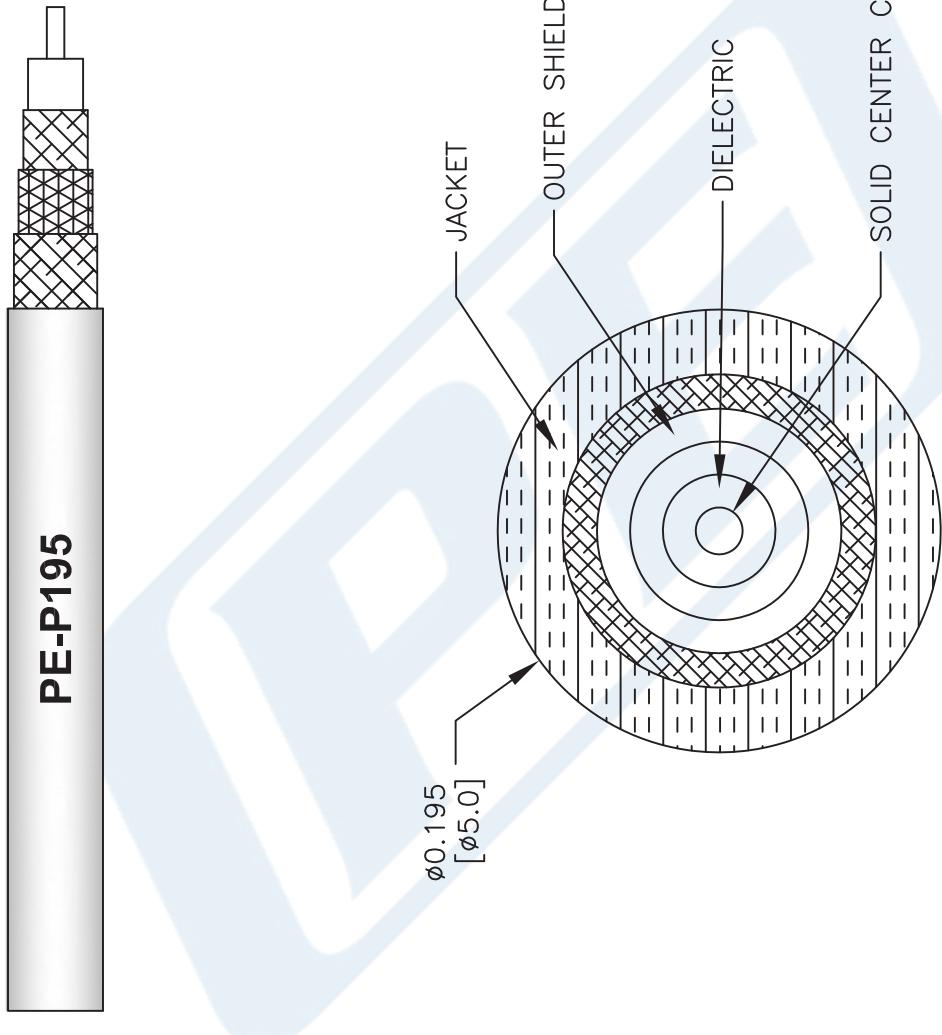
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Low Loss Flexible PE-P195 Coax Cable Triple Shielded with Tan FEP Jacket PE-P195](#)

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



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| | |
|-----------|---------|
| DWG TITLE | PE-P195 |
| FSCM NO. | 53919 |

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