



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

RF Connectors Technical Data Sheet

PE4093

Configuration

- MHV Male Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch Interface Type
- Crimp/Solder Attachment

Features

- Max. Operating Frequency 300 MHz
- Good VSWR of 1.3:1
- Gold Plated Brass Contact
- 30 µin minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4093 MHV male 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 MHV male connector operates up to a maximum frequency of 300 MHz and offers good VSWR of 1.3:1.

Our MHV male connector PE4093 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 | | 300 | MHz |
| VSWR | | | 1.3:1 | |
| Operating Voltage (AC) | | | 1,400 | Vrms |

Mechanical Specifications

Size

| | |
|------------|---------------------|
| Length | 1.508 in [38.3 mm] |
| Width/Dia. | 0.57 in [14.48 mm] |
| Weight | 0.038 lbs [17.24 g] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [MHV Male Connector Crimp/Solder Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch PE4093](#)



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

RF Connectors Technical Data Sheet

PE4093

Material Specifications

| Description | Material | Plating |
|--------------|----------|---------------------------|
| Contact | Brass | Gold 30 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:

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

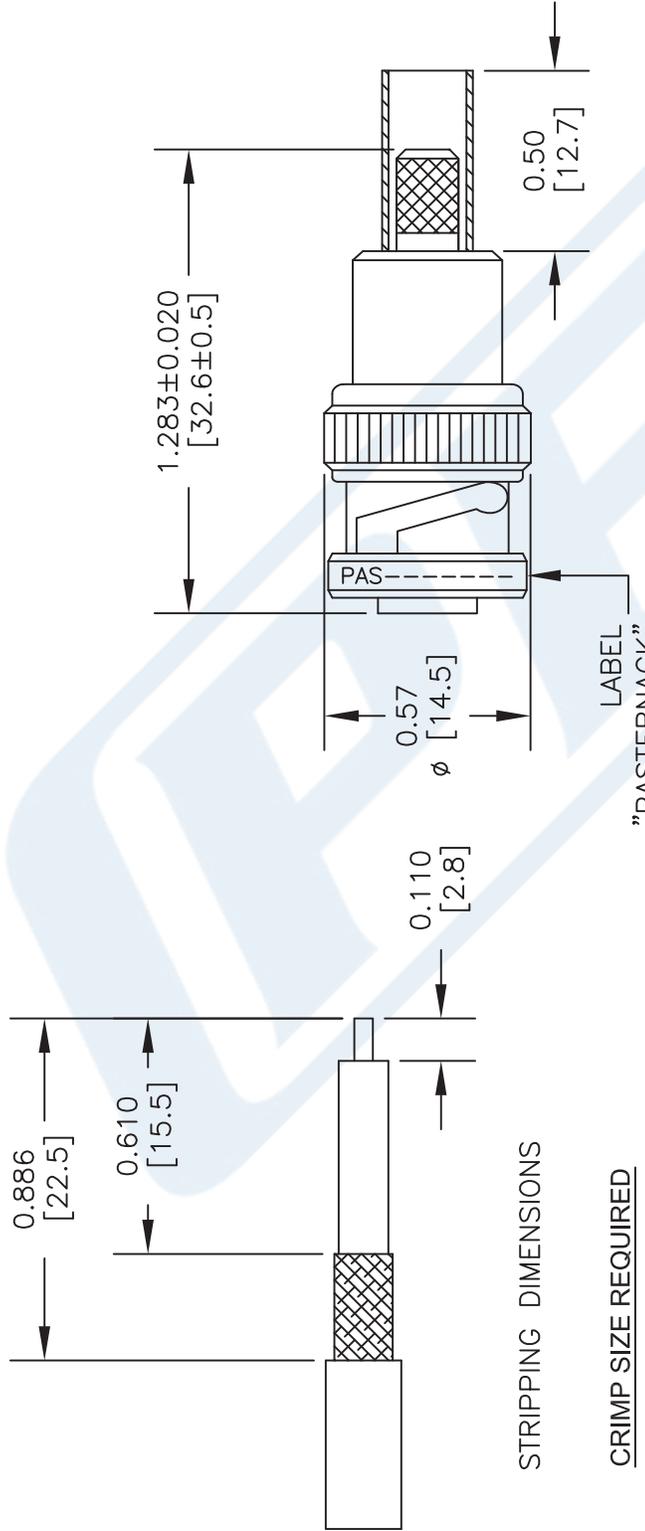
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [MHV Male Connector Crimp/Solder Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch PE4093](#)

URL: <https://www.pasternack.com/mhv-male-rg58-rg303-rg141-pe-c195-pe-p195-lmr-195-connector-pe4093-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.

PE4093 CAD Drawing

MHV 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

STANDARD TOLERANCES

.X ±0.2
.XX ±0.1
.XXX ±0.05

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES



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DWG TITLE

PE4093

FSCM NO. 53919

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].

CAD FILE 040116

SCALE N/A

SIZE A

3045



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

RF Connectors Technical Data Sheet

PE44102

Configuration

- MHV Female Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry
- PE-P195, PE-C195, RG58, RG141, RG303, 0.195 inch, LMR-195 Interface Type
- Crimp/Solder Attachment

Features

- Silver Plated Contact
- Contact plating according to QQ-S-365

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE44102 MHV female connector with crimp/solder attachment for PE-P195, PE-C195, RG58, RG141, RG303, 0.195 inch and LMR-195 is part of our full line of RF components available for same-day shipping.

Our MHV female connector PE44102 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.

Mechanical Specifications

Size

| | |
|------------|--------------------|
| Length | 1.5 in [38.1 mm] |
| Width/Dia. | 0.5 in [12.70 mm] |
| Weight | 0.028 lbs [12.7 g] |

Material Specifications

| Description | Material | Plating |
|-------------|----------|--------------------|
| Contact | | Silver QQ-S-365 |
| Insulation | PTFE | |
| Body | Brass | Nickel QQ-N-290 |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [MHV Female Connector Crimp/Solder Attachment for PE-P195, PE-C195, RG58, RG141, RG303, 0.195 inch, LMR-195 PE44102](#)



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

RF Connectors Technical Data Sheet

PE44102

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

Plotted and Other Data

Notes:

MHV Female Connector Crimp/Solder Attachment for PE-P195, PE-C195, RG58, RG141, RG303, 0.195 inch, LMR-195 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.

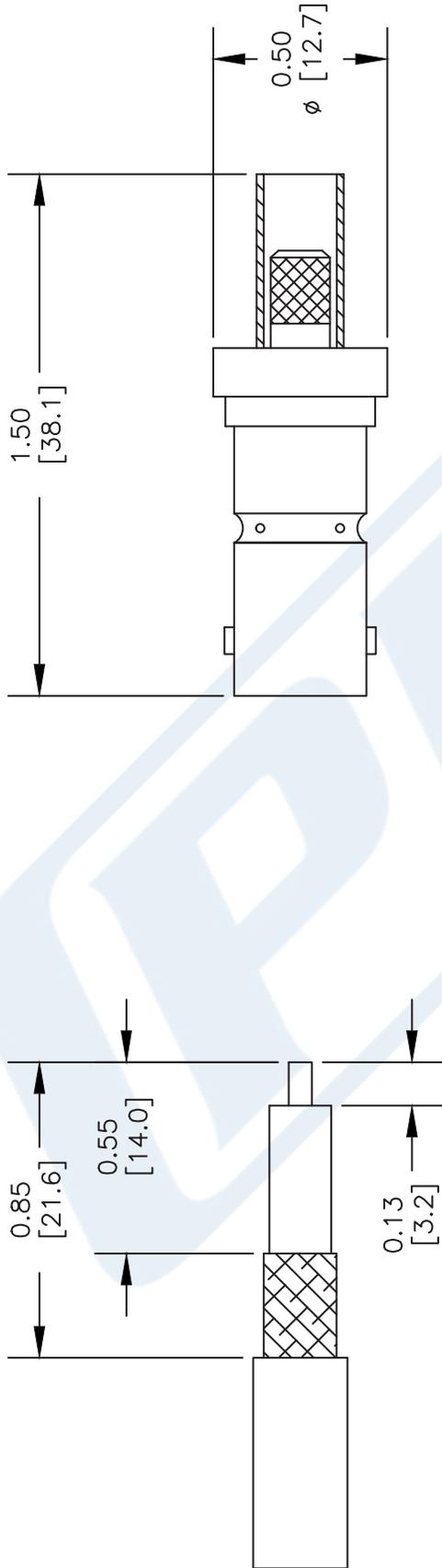
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [MHV Female Connector Crimp/Solder Attachment for PE-P195, PE-C195, RG58, RG141, RG303, 0.195 inch, LMR-195 PE44102](#)

URL: <https://www.pasternack.com/mhv-female-standard-rg58-connector-pe44102-p.aspx>

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PE44102 CAD Drawing

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



STRIPPING DIMENSIONS

CRIMP SIZE REQUIRED

CONTACT: SOLDER

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
PE44102

CAD FILE 062502 SCALE N/A SIZE A 2233

FSCM NO. 53919

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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.

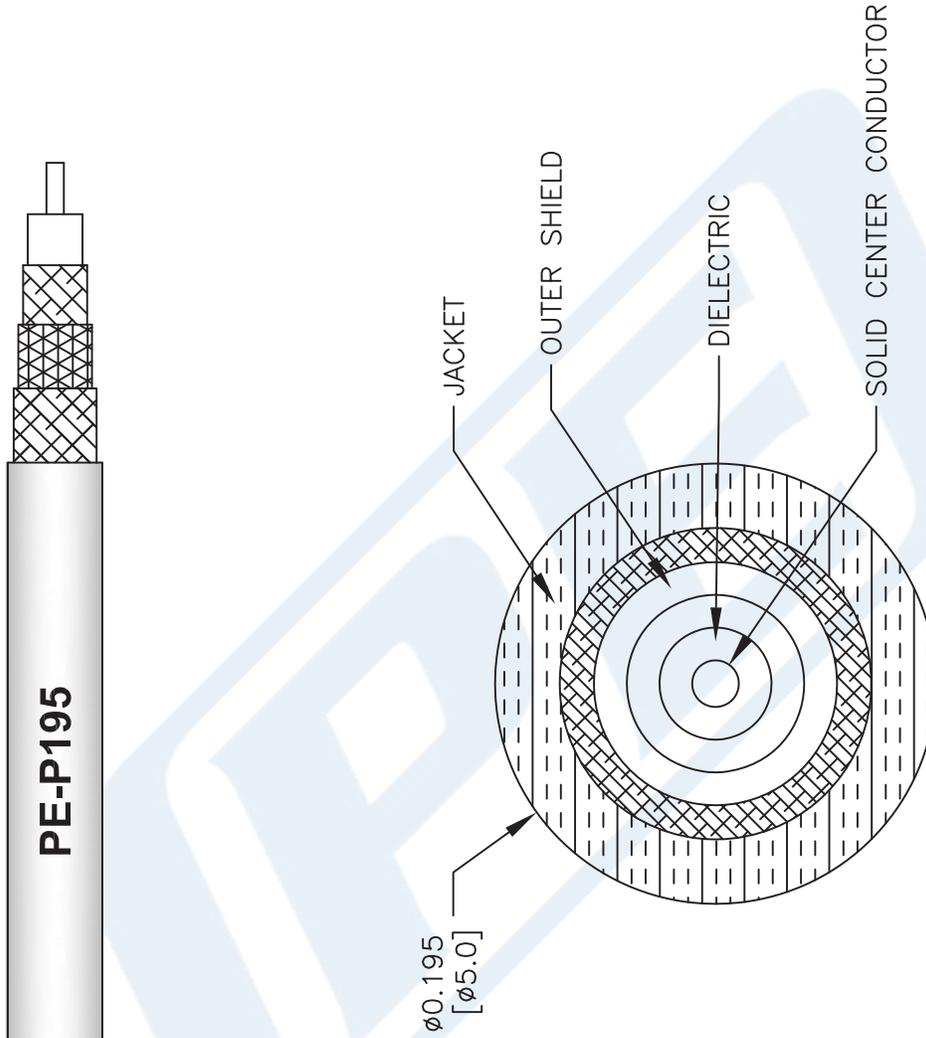
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Low Loss Flexible PE-P195 Coax Cable Triple Shielded with Tan FEP Jacket PE-P195](#)

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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 3. DIMENSIONS ARE IN INCHES [mm].

| | | | |
|----------------|--|----------------|-----------|
| DWG TITLE | | FSCM NO. 53919 | |
| PE-P195 | | CAD FILE | SCALE N/A |
| | | 111716 | SIZE A |
| | | | 41742 |

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