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# SMA Female Connector Crimp/Solder Attachment For RG58

## TECHNICAL DATA SHEET PE4413

**SMA Female Connector Crimp/Solder Attachment For RG58**

### Configuration

| | |
|---|---|
| Connector | SMA Female |
| Connector Interface Type | RG58 |
| Cable Attachment Method (Shield/Contact) | Crimp/Solder |
| Body Style | Straight |

### Electrical Specifications

| | |
|---|---|
| Impedance, Ohms | 50 |
| Maximum VSWR | 1.28:1 |
| Maximum Operating Voltage, Volts | 500 |

### Mechanical Specifications

**Temperature**

| | |
|---|---|
| Operating Range, deg C | -65 to +165 |

**Size**

| | |
|---|---|
| Length, in [mm] | 0.893 [22.68] |
| Width/Dia., in [mm] | 0.25 [6.35] |
| Weight, lbs [g] | 0.008 [3.63] |

**Connector**

| | |
|---|---|
| Type | SMA Female |
| Contact Material and Plating | Beryllium Copper, Gold |
| Contact Plating Specification | 50µ in. minimum |
| Body Material and Plating | Brass, Nickel |
| Body Plating Specification | 100µ in. minimum |
| Dielectric Type | PTFE |

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

| | |
|---|---|
| RoHS Compliant | Yes |

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications: SMA Female Connector Crimp/Solder Attachment For RG58 PE4413

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.

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# SMA Female Connector Crimp/Solder Attachment For RG58

## TECHNICAL DATA SHEET PE4413

### Plotted and Other Data

Notes: Values at 25 °C, sea level

SMA Female Connector Crimp/Solder Attachment For RG58 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.

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications: SMA Female Connector Crimp/Solder Attachment For RG58 PE4413

URL: http://www.pasternack.com/sma-female-standard-rg58-connector-pe4413-p.aspx

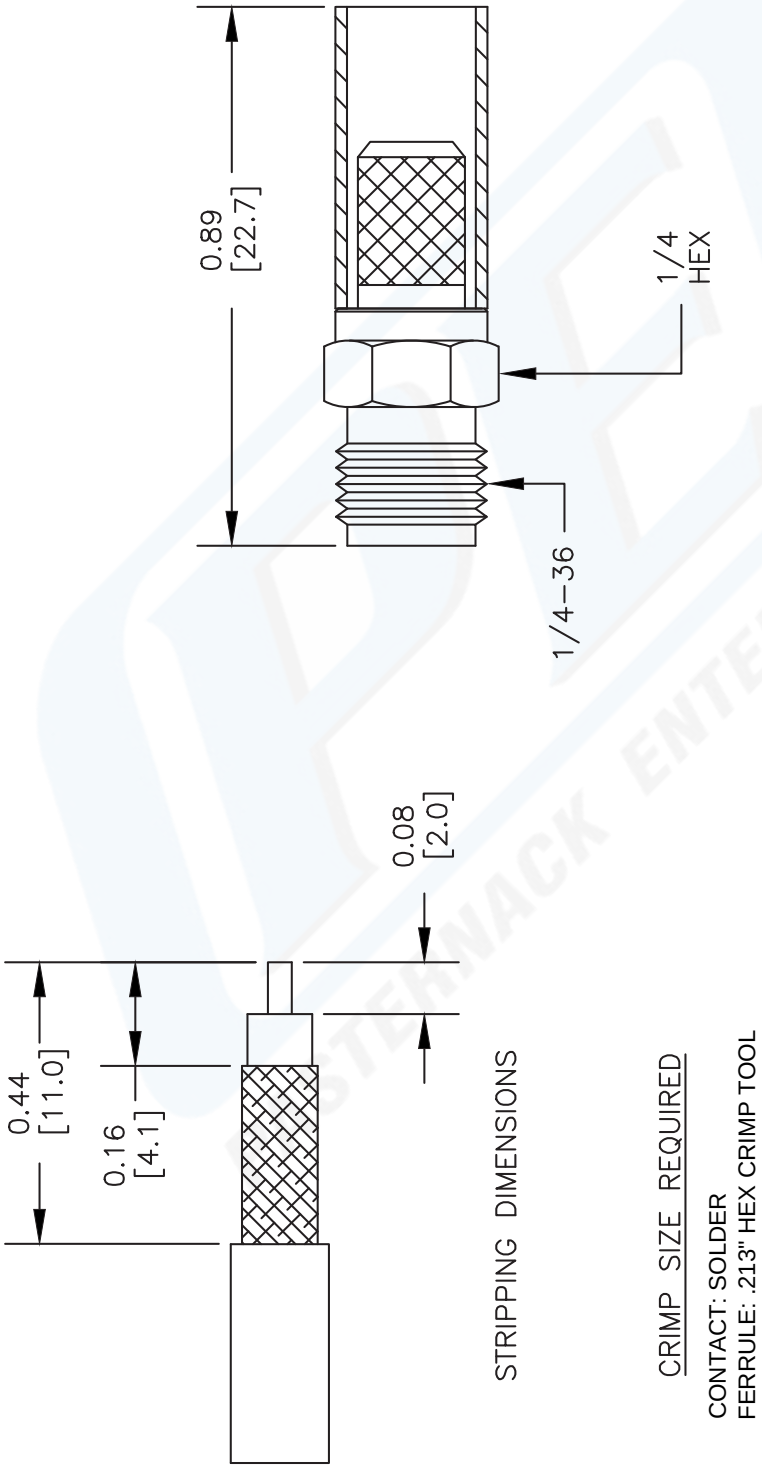
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# PE4413 CAD Drawing

SMA Female Connector Crimp/Solder Attachment For RG58




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.

| CAD FILE | 070113 | SCALE N/A | SIZE A | 2233 |
|---|---|---|---|---|

DWG TITLE **PE4413**

**FSCM NO. 53919**


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# D-Sub Receptacle Contact Crimp/Solder Attachment for PE-C195, PE-P195, RG58, RG141, RG303, LMR-195, 0.195 inch






## Configuration

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

## Features

- Gold Plated Contact

## Applications

- General Purpose Test
- Custom Cable Assemblies

### Description

Pasternack's PE4800 D-Sub receptacle contact 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 D-Sub receptacle connector PE4800 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 | 1.049 in [26.64 mm] |
| Width/Dia. | 0.236 in [5.99 mm] |
| Weight | 0.006 lbs [2.72 g] |

**Material Specifications**

| Description | Material | Plating |
|---|---|---|
| Contact | | Gold |
| Insulation | PTFE | |
| Body | Brass | Gold |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: D-Sub Receptacle Contact Crimp/Solder Attachment for PE-C195, PE-P195, RG58, RG141, RG303, LMR-195, 0.195 inch PE4800

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# D-Sub Receptacle Contact Crimp/Solder Attachment for PE-C195, PE-P195, RG58, RG141, RG303, LMR-195, 0.195 inch



**Compliance Certifications** (see product page for current document)

**Plotted and Other Data**

Notes:

D-Sub Receptacle Contact 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/d-sub-receptacle-standard-rg58-rg141-rg303-connector-pe4800-p.aspx

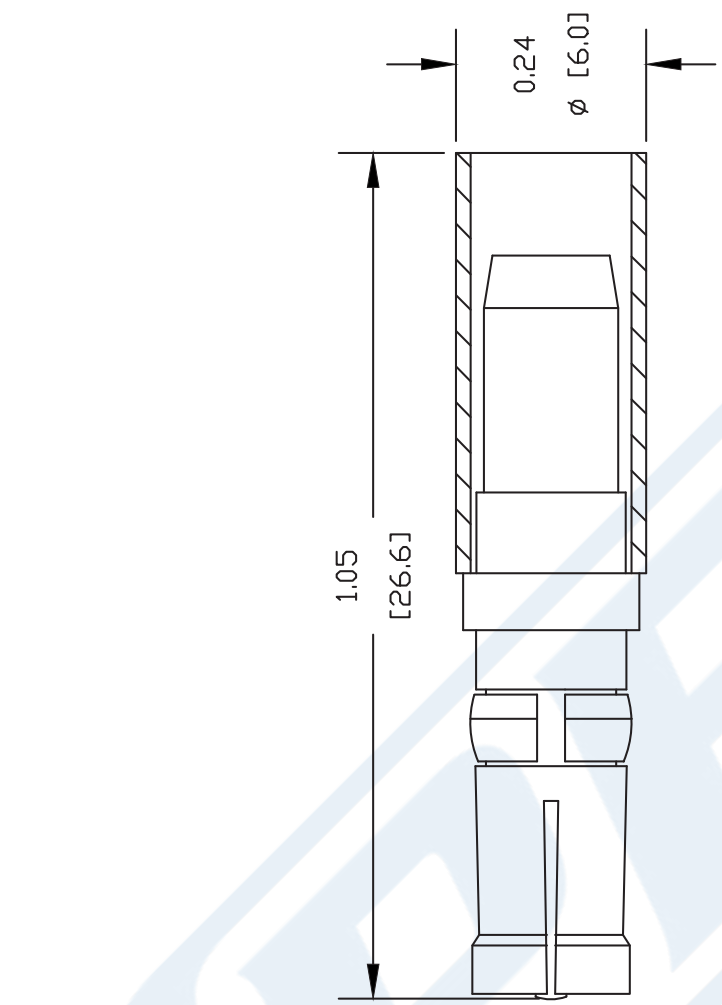
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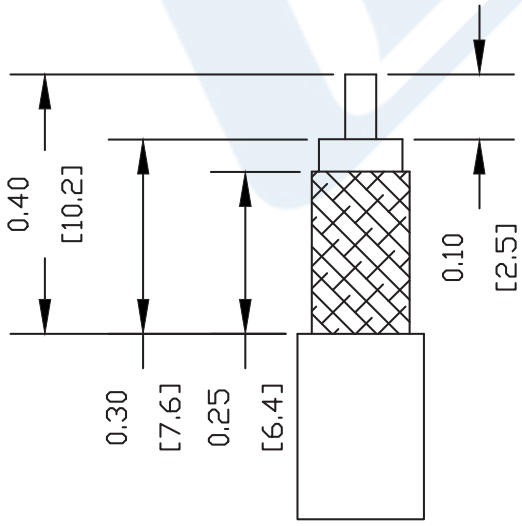
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# PE4800 CAD Drawing

D-Sub Receptacle Contact Crimp/Solder Attachment for PE-C195, PE-P195, RG58, RG141, RG303, LMR-195, 0.195 inch




STRIPPING DIMENSIONS

ASSEMBLY PROCEDURES

1. SLIDE FERRULE ONTO CABLE STRIP CABLE AS SHOWN & TIN CENTER CONDUCTOR.
2. INSERT DIELECTRIC AND CENTER CONDUCTOR INTO BODY. SOLDER CENTER CONDUCTOR THROUGH HOLE IN BODY. REMOVE EXCESS SOLDER. SLIDE FERRULE FORWARD & CRIMP.

CRIMP SIZE REQUIRED

FERRULE: .213" HEX CRIMP TOOL

NOTES:
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3. DIMENSIONS ARE IN INCHES [mm].
4. FITS MIL-C-17 AND EQUIVALENT CABLES.

| DWG TITLE | REV. - | FSCM NO. 53919 | CAD FILE 060702 | SCALE N/A | SIZE A | 127 |
|---|---|---|---|---|---|---|
| PE4800 | | | | | | |

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# Flexible RG58 Coax Cable Single Shielded with Black PVC (NC) Jacket

## RF Cables Technical Data Sheet RG58C/U

## Configuration

- Flexible Cable
- 1 Shield(s)

### Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|---|---|---|---|---|
| Frequency Range | DC | | 5 | GHz |
| Impedance | | 50 | | Ohms |
| Velocity of Propagation | | 65.9 | | % |
| Operating Voltage (AC) | | | 1,900 | Vrms |
| Nominal Capacitance | | 30.8 [101.05] | | pF/ft [pF/m] |

### Performance by Frequency Band

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|---|---|---|---|---|---|---|
| Frequency | 0.01 | 0.1 | 1 | 5 | | GHz |
| Attenuation, Typ | 1.4 | 4.9 | 20 | 60 | | dB/100ft |
| | 4.59 | 16.08 | 65.62 | 196.85 | | dB/100m |
| Input Power (CW), Max | | | 44 | | | Watts |

### Mechanical Specifications

| | |
|---|---|
| Diameter | 0.195 in [4.95 mm] |
| Weight | 0.025 lbs/ft [0.04 Kg/m] |
| Min. Bend Radius (Installation) | 0.98 in [24.89 mm] |
| Min. Bend Radius (Repeated) | 1.96 in [49.78 mm] |

### Construction Specifications

| Description | Material and Plating | Diameter |
|---|---|---|
| Inner Conductor | Copper, Tin, 19 Strands | 0.036 in [0.91 mm] |
| Conductor Type | Stranded | |
| Dielectric | PE | 0.116 in [2.95 mm] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Flexible RG58 Coax Cable Single Shielded with Black PVC (NC) Jacket RG58C/U

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# Flexible RG58 Coax Cable Single Shielded with Black PVC (NC) Jacket



| | | |
|---|---|---|
| First Shield | Tinned Copper Braid | 0.138 in [3.51 mm] |
| Jacket | PVC (NC), Black | 0.195 in [4.95 mm] |

## Environmental Specifications

**Temperature**

| | |
|---|---|
| Operating Range | -40 to +80 deg C |

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

## Plotted and Other Data

Notes:

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URL: https://www.pasternack.com/flexible-0.195-rg58-50-ohm-coax-cable-pvc-jacket-rg58c-u-p.aspx

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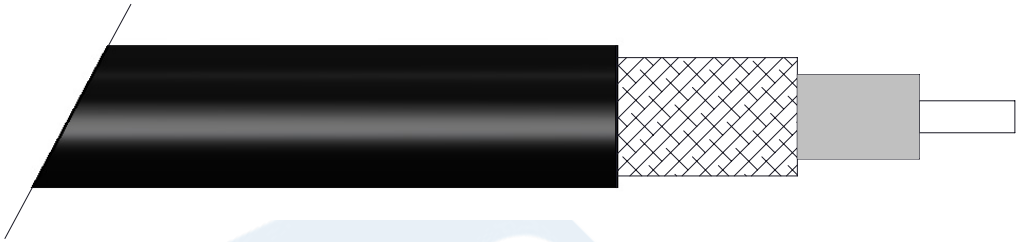
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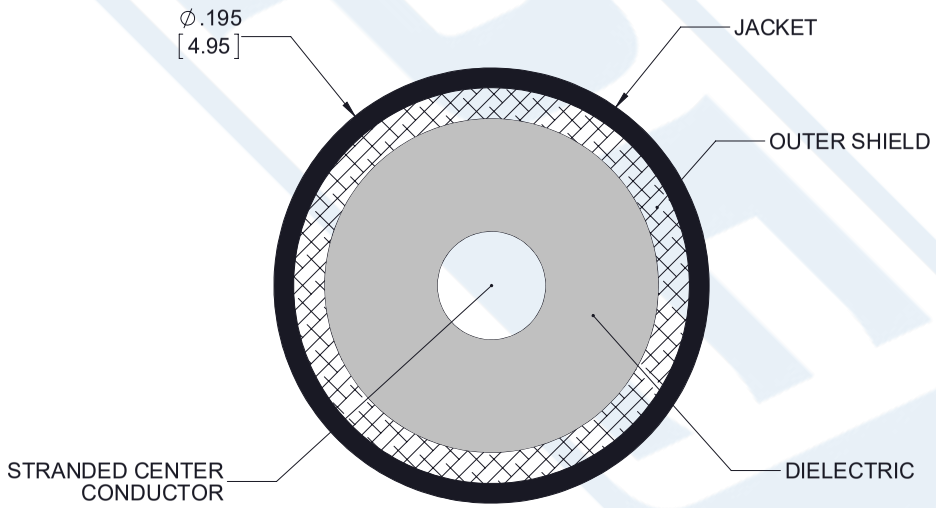
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# RG58C/U CAD Drawing

Flexible RG58 Coax Cable Single Shielded with Black PVC (NC) Jacket






**SECTION VIEW**

| STANDARD TOLERANCES | |
|---|---|
| .X | ±0.2 |
| .XX | ±0.01 |
| .XXX | ±0.005 |

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

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DWG TITLE

RG58C/U

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| CAGE CODE 53919 | CAD FILE 091817 | SCALE N/A | SIZE A | 7361 |
|---|---|---|---|---|