

## SMA Female Connector Crimp Attachment for LMR-195, RG303, RG58, RG141, PE-C195, PE-P195, RG58-TPX, LMR-LW195, RG303HV, TCOM-195



### PE5130

#### Configuration

- SMA Female Connector
- 50 Ohms
- Connector Interface Types: LMR-195, RG303, RG58, RG141, PE-C195, PE-P195, RG58-TPX, LMR-LW195, RG303HV, TCOM-195

#### Features

- Max. Operating Frequency 6 GHz
- Gold Plated Beryllium Copper Contact

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE5130, SMA, Connector is part of our full line of RF components available for same-day shipping. Our SMA female connector operates up to a maximum frequency of 6 GHz.

Our SMA female connector PE5130 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                  |         | 1.25:1  |         |       |
| Insulation Resistance | 5,000   |         |         | MOhms |
| Impedance             |         | 50      |         | Ohms  |

#### Mechanical Specifications

| Size   |                     |
|--------|---------------------|
| Length | 0.91 in [23.11 mm]  |
| Width  | 0.36 in [9.14 mm]   |
| Height | 0.31 in [7.87 mm]   |
| Weight | 0.0076 lbs [3.45 g] |

#### Material Specifications

| Description  | Material         | Plating   |
|--------------|------------------|-----------|
| Contact      | Beryllium Copper | Gold      |
| Insulation   | PTFE             |           |
| Body         | Brass            | Tri-metal |
| Crimp Sleeve | Brass            | Tri-metal |

SMA Female Connector Crimp Attachment for LMR-195, RG303, RG58, RG141, PE-C195, PE-P195, RG58-TPX, LMR-LW195, RG303HV, TCOM-195



## PE5130

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### Environmental Specifications

#### Temperature

Operating Range

-40 to +155 deg C

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

### Plotted and Other Data

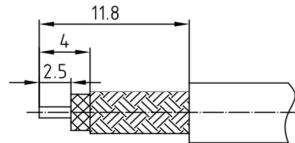
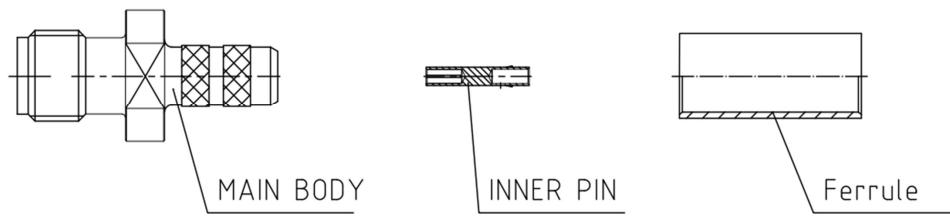
Notes:

SMA Female Connector Crimp Attachment for LMR-195, RG303, RG58, RG141, PE-C195, PE-P195, RG58-TPX, LMR-LW195, RG303HV, TCOM-195



## PE5130

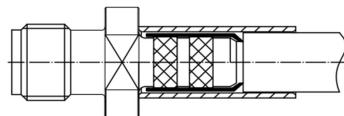
### Assembly Instruction



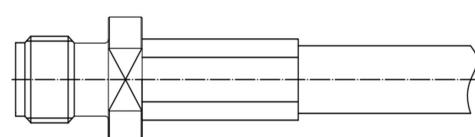
- 1.A. Stripping dimension is as shown by diagram, attention should be paid while stripping.
- 1.B. Remove residual burr.



- 2.A. Solder inner conduct.
- 2.B. Remove residual burr.



- 3.Put the connector in place, Then push the ferrule.



- 4.A. Compression crimping sleeve
- 4.B. Push the heat shrink tube, blow it with heat gun.

SMA Female Connector Crimp Attachment for LMR-195, RG303, RG58, RG141, PE-C195, PE-P195, RG58-TPX, LMR-LW195, RG303HV, TCOM-195



## PE5130

SMA Female Connector Crimp Attachment for LMR-195, RG303, RG58, RG141, PE-C195, PE-P195, RG58-TPX, LMR-LW195, RG303HV, TCOM-195 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.

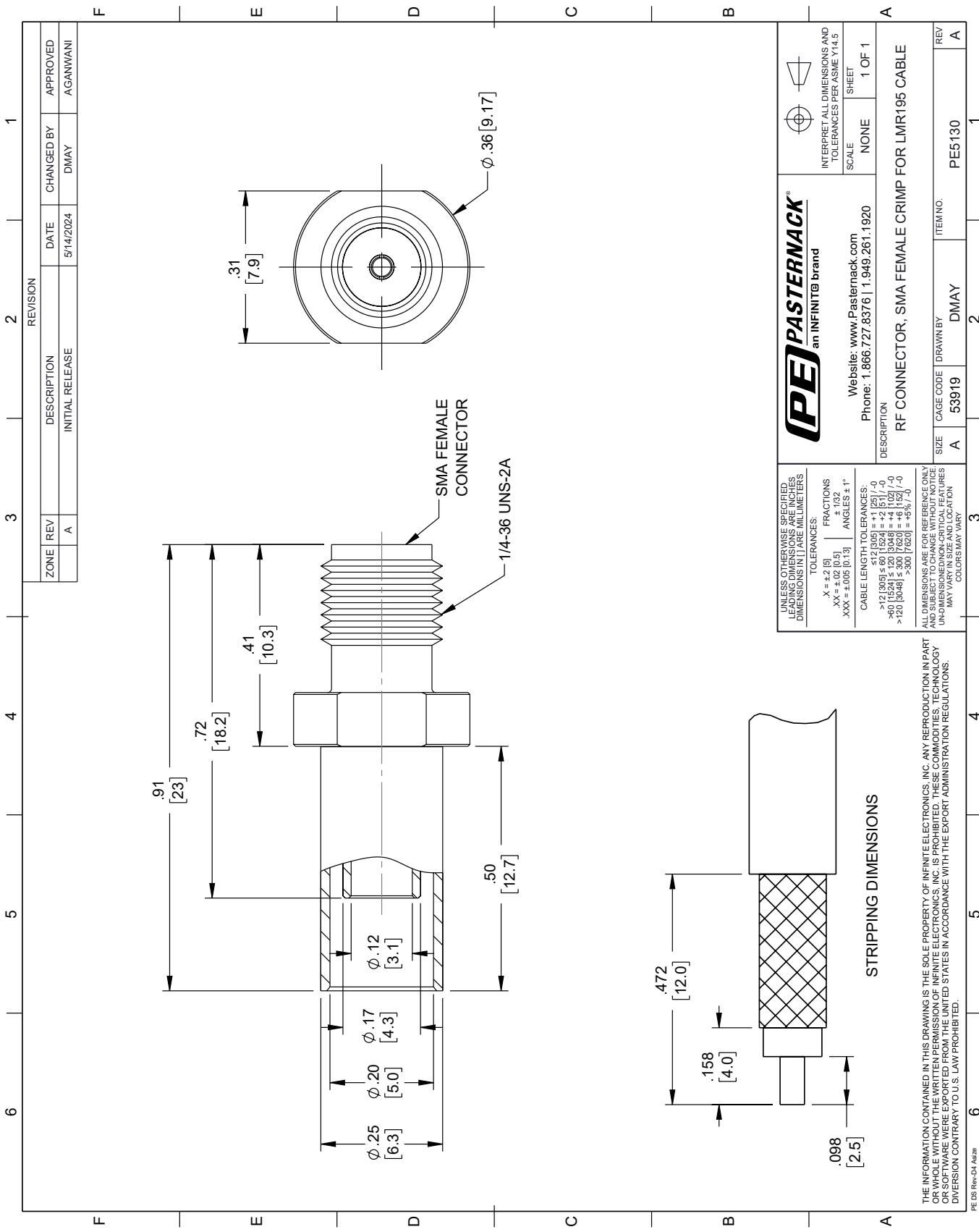
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Female Connector Crimp Attachment for LMR-195, RG303, RG58, RG141, PE-C195, PE-P195, RG58-TPX, LMR-LW195, RG303HV, TCOM-195 PE5130](#)

URL: <https://www.pasternack.com/sma-female-lmr-195-rg303-rg141-pe-c195-pe-p195-connector-pe5130-p.aspx>

The information contained within 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 Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

# PE5130 CAD Drawing

SMA Female Connector Crimp Attachment for LMR-195, RG303, RG58, RG141, PE-C195, PE-P195, RG58-TPX, LMR-LW195, RG303HV, TCOM-195



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



### PE4215

#### Configuration

- SMA Male Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: RG58, RG303, RG141, PE-C195, LMR-195, 0.195 inch
- 16-May inch Hex

#### Features

- Max. Operating Frequency 12.4 GHz
- Good VSWR of 1.5:1
- Gold Plated Brass Contact
- 50  $\mu$ m minimum contact plating

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE4215 SMA Male Connector Crimp/Solder Attachment for RG58, RG303, RG141, PE-C195, LMR-195 and 0.195 inch Cable 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 and offers good VSWR of 1.5:1.

Our SMA male connector PE4215 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   |
| VSWR                                 |         |         | 1.5:1   |       |
| Operating Voltage (AC)               |         |         | 500     | Vrms  |
| Dielectric Withstanding Voltage (AC) |         |         | 1,000   | Vrms  |
| Impedance                            | 50      |         |         | Ohms  |

#### Mechanical Specifications

##### Size

|               |                                   |
|---------------|-----------------------------------|
| Length        | 0.906 in [23.01 mm]               |
| Width         | 0.315 in [8 mm]                   |
| Weight        | 0.016 lbs [7.26 g]                |
| Mating Torque | 3 to 5 in-lbs [[0.34 to 0.57 Nm]] |

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



**PE4215**

### Material Specifications

| Description  | Material | Plating                        |
|--------------|----------|--------------------------------|
| Contact      | Brass    | Gold<br>50 $\mu$ in minimum    |
| Insulation   | PTFE     |                                |
| Body         | Brass    | Nickel<br>100 $\mu$ in minimum |
| Coupling Nut | Brass    | Nickel<br>100 $\mu$ in 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:

SMA Male Connector Crimp/Solder Attachment for RG58, RG303, RG141, PE-C195, 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 99.4% availability and are part of the broadest selection in the industry.

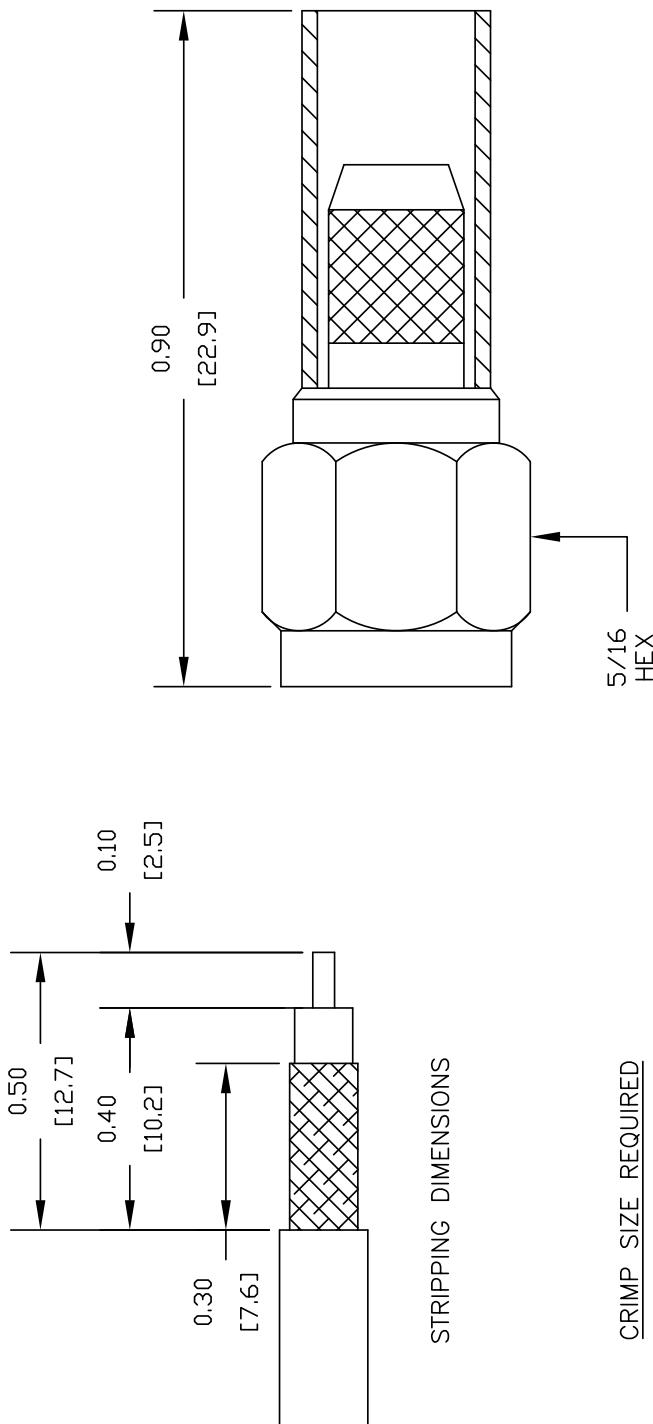
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Connector Crimp/Solder Attachment for RG58, RG303, RG141, PE-C195, LMR-195, 0.195 inch PE4215](#)

URL: <https://www.pasternack.com/sma-male-standard-rg58-connector-pe4215.html>

The information contained within 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 Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

# PE4215 CAD Drawing

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



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  
**PE4215**

**PASTERNACK**  
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| REV. - | FSCM NO. | 53919 | CAD FILE | 010611 | SCALE N/A | SIZE A | 127 |
|--------|----------|-------|----------|--------|-----------|--------|-----|
|--------|----------|-------|----------|--------|-----------|--------|-----|

## Flexible RG141 Coax Cable Single Shielded with Beige PTFE (Fiberglass reinforced) Jacket

### RF Cables Technical Data Sheet

**RG141A/U**

#### Configuration

- Flexible Cable
- 1 Shield(s)

#### Electrical Specifications

| Description                          | Minimum | Typical      | Maximum | Units        |
|--------------------------------------|---------|--------------|---------|--------------|
| Frequency Range                      | DC      |              | 10      | GHz          |
| Impedance                            |         | 50 ±2        |         | Ohms         |
| Velocity of Propagation              |         | 70           |         | %            |
| Dielectric Withstanding Voltage (AC) |         |              | 5,000   | Vrms         |
| Jacket Spark                         |         |              | 2,000   | Vrms         |
| Nominal Capacitance                  |         | 29.4 [96.46] |         | pF/ft [pF/m] |

#### Performance by Frequency Band

| Description      | F1   | F2   | F3    | F4     | F5     | Units    |
|------------------|------|------|-------|--------|--------|----------|
| Frequency        | 0.01 | 0.1  | 1     | 5      | 10     | GHz      |
| Attenuation, Typ | 1.2  | 3.9  | 13    | 36     | 62     | dB/100ft |
|                  | 3.94 | 12.8 | 42.65 | 118.11 | 203.41 | dB/100m  |

#### Mechanical Specifications

|          |                          |
|----------|--------------------------|
| Diameter | 0.19 in [4.83 mm]        |
| Weight   | 0.033 lbs/ft [0.05 Kg/m] |

#### 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                 |                    |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG141 Coax Cable Single Shielded with Beige PTFE \(FG\) Jacket RG141A/U](#)

## Flexible RG141 Coax Cable Single Shielded with Beige PTFE (Fiberglass reinforced) Jacket

### RF Cables Technical Data Sheet

**RG141A/U**

|        |                  |                   |
|--------|------------------|-------------------|
| Jacket | PTFE (FG), Beige | 0.19 in [4.83 mm] |
|--------|------------------|-------------------|

#### **Environmental Specifications**

##### **Temperature**

Operating Range

-55 to +200 deg C

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

#### **Plotted and Other Data**

Notes:

Flexible RG141 Coax Cable Single Shielded with Beige PTFE (Fiberglass reinforced) 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.

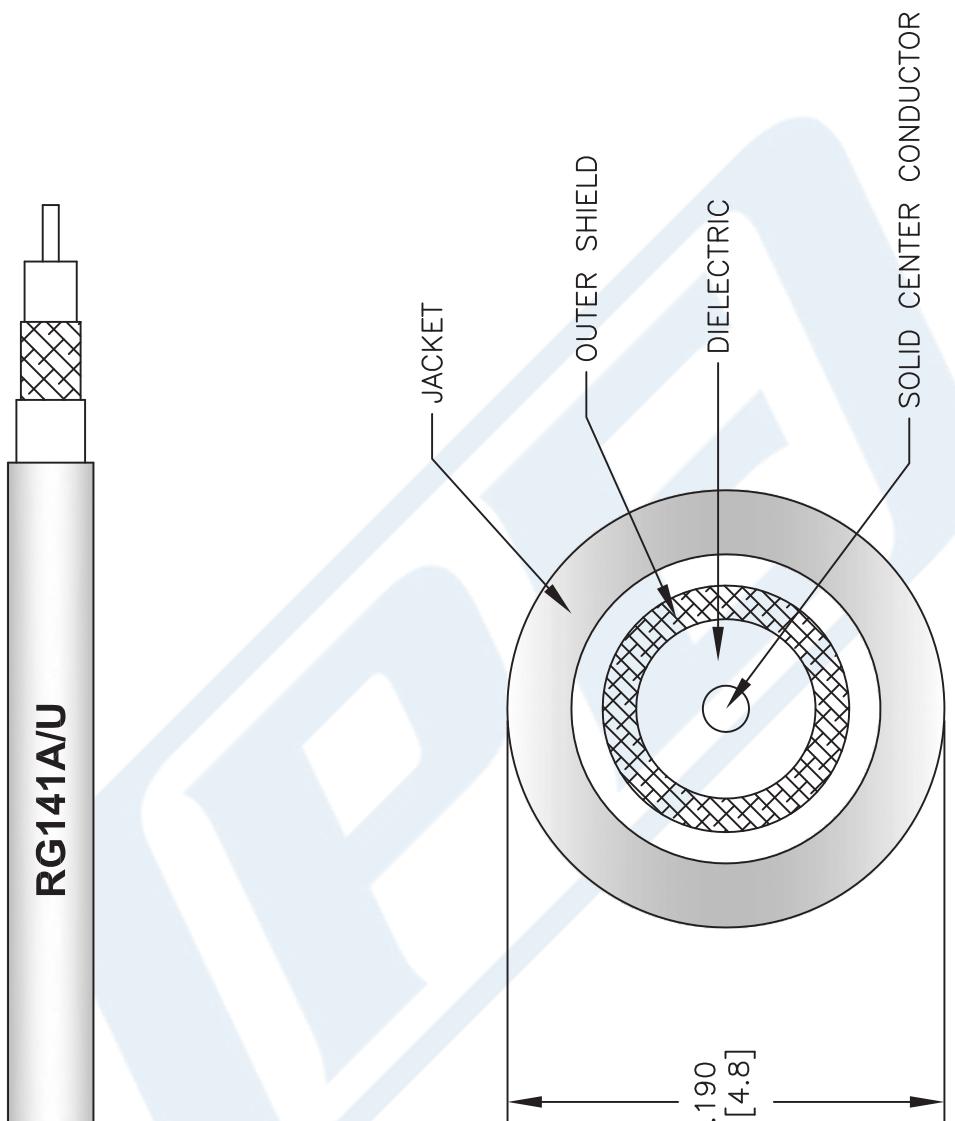
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG141 Coax Cable Single Shielded with Beige PTFE \(FG\) Jacket RG141A/U](#)

URL: <https://www.pasternack.com/flexible-0.190-rg141-50-ohm-coax-cable-ptfe-fr-jacket-rg141a-u-p.aspx>

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# RG141A/U CAD Drawing

Flexible RG141 Coax Cable Single Shielded with Beige  
PTFE (Fiberglass reinforced) 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  
**RG141A/U**

REV. A

SIZE A

CAD FILE 02808-A  
SCALE N/A  
SIZE A  
147

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