



## C Male Right Angle Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393

### RF Connectors Technical Data Sheet

**PE4949**

#### Configuration

- C Male Connector
- MIL-STD-348
- 50 Ohms
- Right Angle Body Geometry
- RG214, RG9, RG225, RG393 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 PE4949 type C male right angle connector with crimp/solder attachment for RG214, RG9, RG225 and RG393 is part of our full line of RF components available for same-day shipping. Its right angle body geometry allows for easier connections in tight spaces.

Our type C male right angle connector PE4949 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

|             |                     |
|-------------|---------------------|
| <b>Size</b> |                     |
| Length      | 2.16 in [54.86 mm]  |
| Width/Dia.  | 1.3 in [33.02 mm]   |
| Height      | 0.75 in [19.05 mm]  |
| Weight      | 0.127 lbs [57.61 g] |

#### Material Specifications

| Description  | Material | Plating            |
|--------------|----------|--------------------|
| Contact      |          | Silver<br>QQ-S-365 |
| Insulation   | PTFE     |                    |
| Body         | Brass    | Nickel<br>QQ-N-290 |
| Coupling Nut | Brass    | Nickel<br>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: [C Male Right Angle Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393 PE4949](#)



## C Male Right Angle Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393

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

#### Plotted and Other Data

Notes:

C Male Right Angle Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393 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.

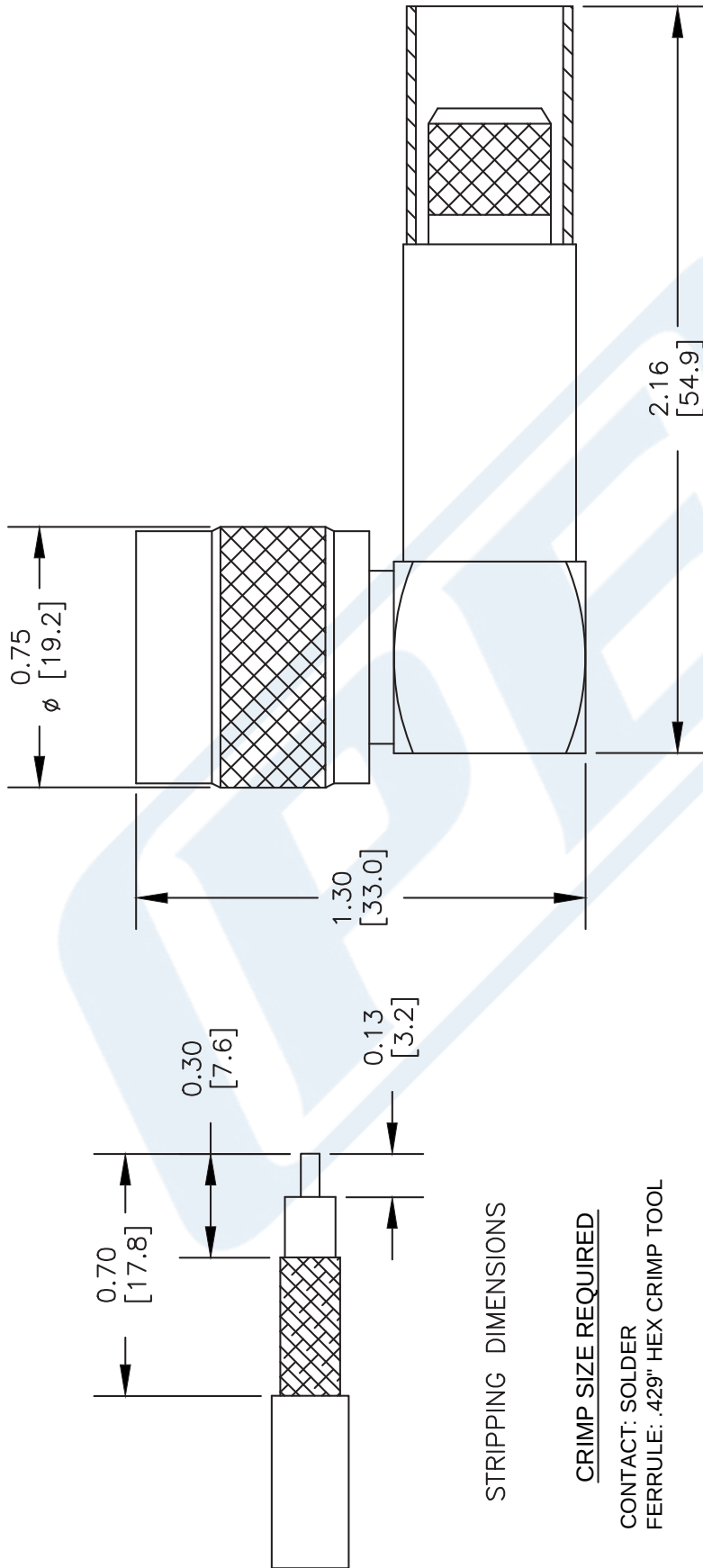
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URL: <https://www.pasternack.com/c-male-standard-rg214-rg9-rg225-rg393-connector-pe4949-p.aspx>

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# PE4949 CAD Drawing

C Male Right Angle Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393



STRIPPING DIMENSIONS

CRIMP SIZE REQUIRED

CONTACT: SOLDER  
FERRULE: .429" 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

**PE4949**

FSCM NO. 53919

127

SIZE A

SCALE N/A

CAD FILE 061402

**PE PASTERNAK®**

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



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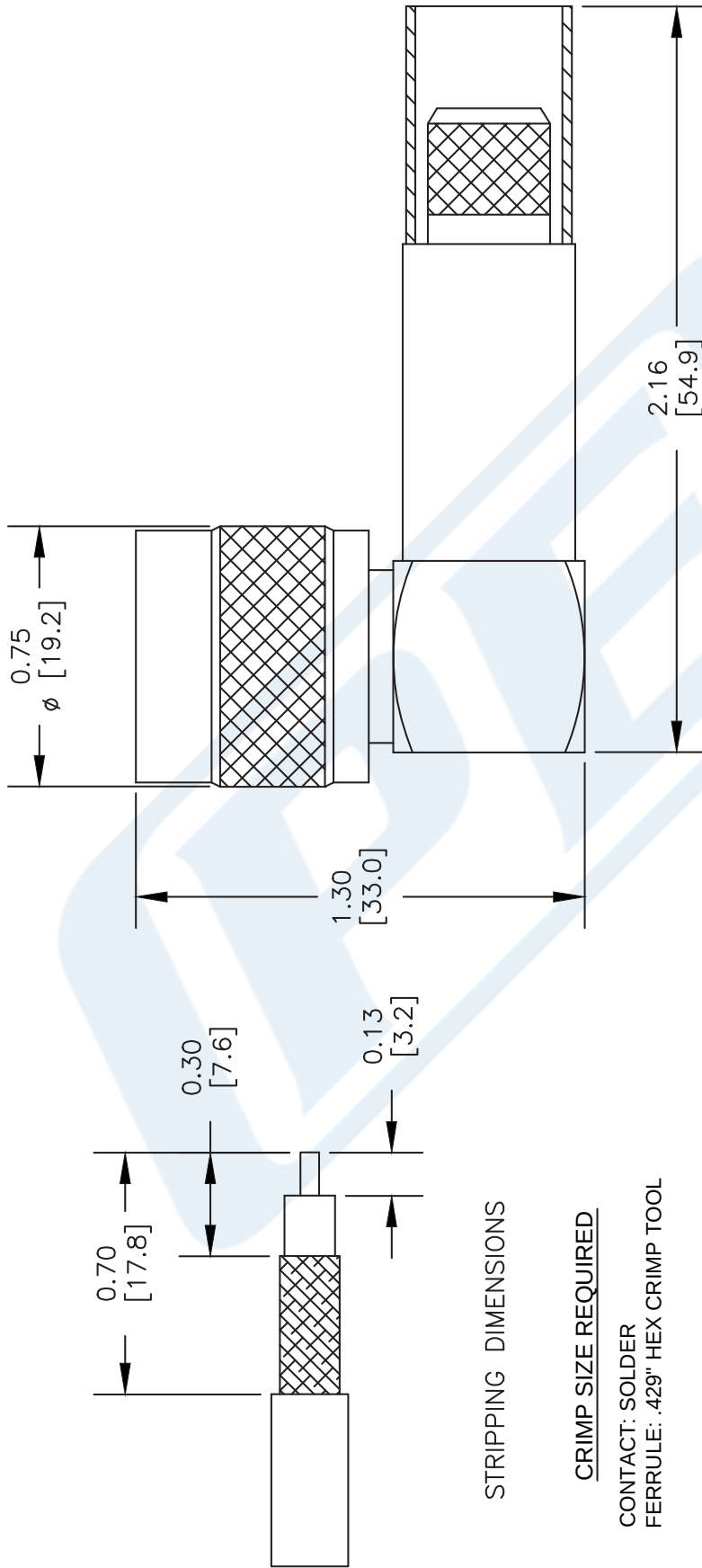
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DWG TITLE

**PE4949**

FSCM NO. 53919

CAD FILE

061402

SCALE N/A

SIZE A

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## Flexible RG393 Coax Cable Double Shielded with Tan FEP Jacket

### RF Cables Technical Data Sheet

**RG393/U**

#### Configuration

- Flexible Cable
- 2 Shield(s)

#### Features

- 50 Ohm Impedance
- Stranded Silver Plated Copper center conductor
- PTFE dielectric
- Double Silver Plated Copper Braid
- FEP Jacket Material 0.390 in diameter

#### Electrical Specifications

| Description             | Minimum | Typical      | Maximum | Units        |
|-------------------------|---------|--------------|---------|--------------|
| Frequency Range         | DC      |              | 10      | GHz          |
| Impedance               |         | 50           |         | Ohms         |
| Velocity of Propagation |         | 69.5         |         | %            |
| 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      | 0.6    | 2.1   | 7.5   | 21   | 35     | dB/100ft |
|                       | 1.97   | 6.89  | 24.61 | 68.9 | 114.83 | dB/100m  |
| Input Power (CW), Max | 25,000 | 6,300 | 1,700 | 620  | 350    | Watts    |

#### Mechanical Specifications

|                             |                          |
|-----------------------------|--------------------------|
| Diameter                    | 0.39 in [9.91 mm]        |
| Weight                      | 0.157 lbs/ft [0.23 Kg/m] |
| Min. Bend Radius (Repeated) | 3.9 in [99.06 mm]        |

#### Construction Specifications

| Description     | Material and Plating | Diameter         |
|-----------------|----------------------|------------------|
| Inner Conductor | Copper, Silver7      | 0.094 in 2.39 mm |
| Conductor Type  | Stranded             |                  |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG393 Coax Cable Double Shielded with Tan FEP Jacket RG393/U](#)



## Flexible RG393 Coax Cable Double Shielded with Tan FEP Jacket

### RF Cables Technical Data Sheet

**RG393/U**

|               |                                            |                   |
|---------------|--------------------------------------------|-------------------|
| Dielectric    | PTFE                                       | 0.285 in 7.24 mm  |
| First Shield  | Silver Plated Copper Braid<br>90% coverage | 0.313 in 7.95 mm  |
| Second Shield | Silver Plated Copper Braid<br>90% coverage | 0.341 in 8.66 mm  |
| Jacket        | FEP, Tan                                   | 0.39 in [9.91 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 RG393 Coax Cable Double 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: [Flexible RG393 Coax Cable Double Shielded with Tan FEP Jacket RG393/U](#)

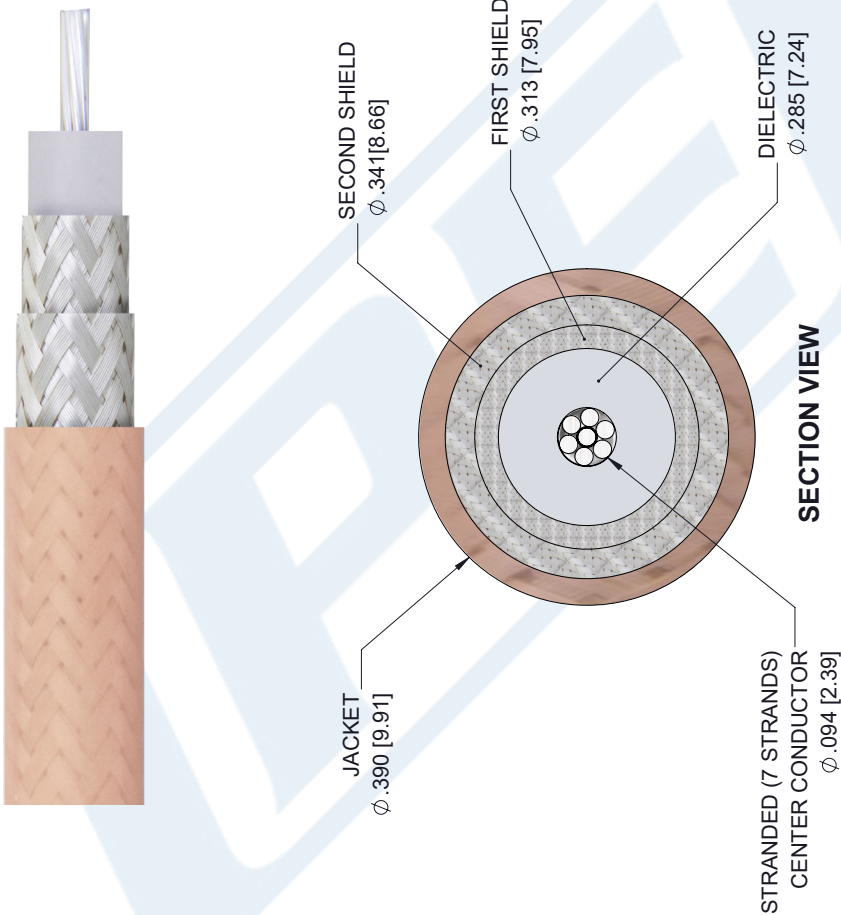
URL: <https://www.pasternack.com/flexible-rg393u-fep-jacket-silver-plated-copper-braid-over-silver-plated-copper-braid-outer-conductor-double-shielded-rg393-u-p.aspx>

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RG393/U CAD Drawing

Flexible RG393 Coax Cable Double Shielded with Tan FEP Jacket

| REVISIONS |             |          |          |
|-----------|-------------|----------|----------|
| REV.      | DESCRIPTION | DATE     | APPROVED |
| A         | POR RG393/U | 1/8/2020 | SELLIS   |



|                                                                                                  |           |
|--------------------------------------------------------------------------------------------------|-----------|
| UNLESS OTHERWISE SPECIFIED<br>LEADING DIMENSIONS ARE INCHES<br>DIMENSIONS IN [ ] ARE MILLIMETERS |           |
| TOLERANCES:                                                                                      | FRACTIONS |
| .X = ± .2                                                                                        | [.08]     |
| .XX = ± .02                                                                                      | [.51]     |
| .XXX = ± .005                                                                                    | [.13]     |
| ANGLES ± 1°                                                                                      |           |
| 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<br>ARE FOR REFERENCE ONLY.                                                  |           |

|                                                                                                                                                                                                   |          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
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| SIZE                                                                                                                                                                                              | ITEM NO. |
| A                                                                                                                                                                                                 | 53919    |
| DRAWN BY                                                                                                                                                                                          | K.DANG   |
| REV                                                                                                                                                                                               | RG393/U  |
| SCALE                                                                                                                                                                                             | N/A      |
| SHEET                                                                                                                                                                                             | 1 OF 1   |

|                                                                                                                       |  |
|-----------------------------------------------------------------------------------------------------------------------|--|
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