



## UHF Male Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393

### RF Connectors Technical Data Sheet

**PE44051**

#### Configuration

- UHF Male Connector
- 50 Ohms
- Straight Body Geometry

- RG214, RG9, RG225, RG393 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 PE44051 UHF male 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. Our UHF male connector operates up to a maximum frequency of 300 MHz and offers good VSWR of 1.3:1.

Our UHF male connector PE44051 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) |         |         | 500     | Vrms  |

#### Mechanical Specifications

##### Size

Length

1.44 in [36.58 mm]

Width/Dia.

0.7 in [17.78 mm]

Weight

0.044 lbs [19.96 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [UHF Male Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393 PE44051](#)



UHF Male Connector Crimp/Solder Attachment  
for RG214, RG9, RG225, RG393

RF Connectors Technical Data Sheet

PE44051

Material Specifications

| Description  | Material | Plating                   |
|--------------|----------|---------------------------|
| Contact      | Brass    | Gold<br>30 µin minimum    |
| Insulation   | PTFE     |                           |
| Body         | Brass    | Nickel<br>100 µin minimum |
| Coupling Nut | Brass    | Nickel<br>100 µin minimum |

Environmental Specifications

Temperature

Operating Range

-55 to +85 deg C

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

Plotted and Other Data

Notes:

UHF Male 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.

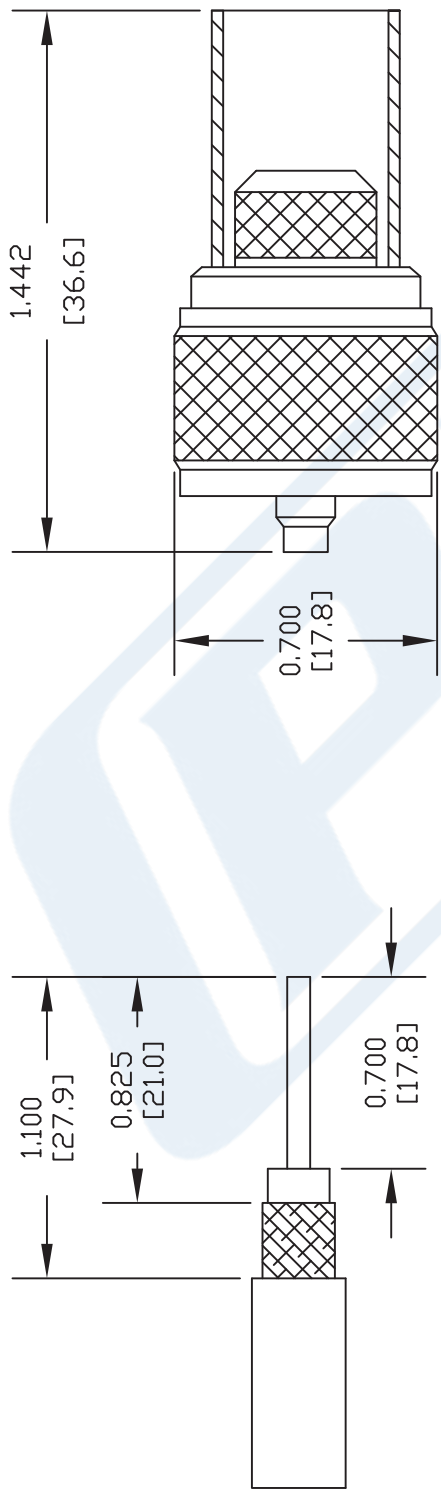
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [UHF Male Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393 PE44051](#)

URL: <https://www.pasternack.com/uhf-male-standard-rg214-rg9-rg225-rg393-connector-pe44051-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.

PE44051 CAD Drawing

UHF Male Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393



STRIPPING DIMENSIONS

CRIMP SIZE REQUIRED

CONTACT: SOLDER  
FERRULE: .429" HEX CRIMP TOOL



**PASTERNAK®**  
Pasternack Enterprises, Inc.  
P.O. Box 16759 | Irvine | CA | 92623  
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DWG TITLE  
**PE44051**

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].  
4. FITS MIL-C-17 AND EQUIVALENT CABLES.

|          |        |       |     |      |   |     |
|----------|--------|-------|-----|------|---|-----|
| CAD FILE | 070102 | SCALE | N/A | SIZE | A | 127 |
|----------|--------|-------|-----|------|---|-----|



## HN Male Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393

### RF Connectors Technical Data Sheet

**PE4474**

#### Configuration

- HN Male Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- RG214, RG9, RG225, RG393 Interface Type
- Crimp/Solder Attachment

#### Features

- Max. Operating Frequency 3 GHz
- Good VSWR of 1.35:1
- Gold Plated Brass Contact
- 30 µin minimum contact plating

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE4474 HN male 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. Our HN male connector operates up to a maximum frequency of 3 GHz and offers good VSWR of 1.35:1.

Our HN male connector PE4474 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      |         | 3       | GHz   |
| VSWR                   |         |         | 1.35:1  |       |
| Operating Voltage (AC) |         |         | 1,500   | Vrms  |

#### Mechanical Specifications

##### Size

|            |                     |
|------------|---------------------|
| Length     | 1.862 in [47.29 mm] |
| Width/Dia. | 0.866 in [22.00 mm] |
| Weight     | 0.11 lbs [49.9 g]   |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [HN Male Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393 PE4474](#)



## HN Male Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393

### RF Connectors Technical Data Sheet

**PE4474**

#### Material Specifications

| Description  | Material | Plating                   |
|--------------|----------|---------------------------|
| Contact      | Brass    | Gold<br>30 µin minimum    |
| Insulation   | PTFE     |                           |
| Body         | Brass    | Nickel<br>100 µin minimum |
| Coupling Nut | Brass    | Nickel<br>100 µin minimum |

#### 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

HN Male 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 99.4% availability and are part of the broadest selection in the industry.

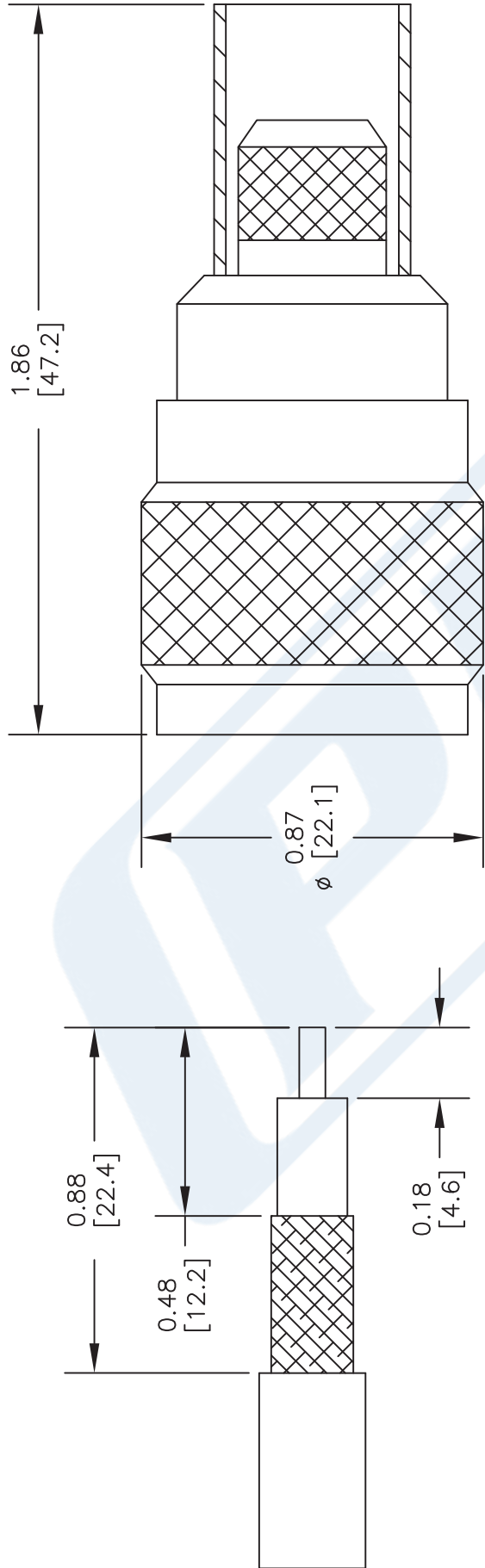
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [HN Male Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393 PE4474](#)

URL: <https://www.pasternack.com/hn-male-rg214-rg9-rg225-rg393-connector-pe4474-p.aspx>

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# PE4474 CAD Drawing

HN Male Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393



STRIPPING DIMENSIONS

CRIMP SIZE REQUIRED

CONTACT: SOLDER

FERRULE: .429" 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

**PE4474**

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CAGE CODE 53919

CAD FILE 061917

SCALE N/A

SIZE A

2233



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

### TECHNICAL DATA SHEET

**RG393/U**

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

#### • Configuration

Inner Conductor Material and Plating  
 Dielectric Type  
 Shield Materials  
 Jacket Material and Color

Copper, Silver  
 PTFE  
 Silver Plated Copper Braid, Silver Plated Copper Braid  
 FEP, Tan

#### Electrical Specifications

|                                       |              |
|---------------------------------------|--------------|
| Impedance, Ohms                       | 50           |
| Maximum Operating Frequency, GHz      | 10           |
| RF Shielding, dB                      | 60           |
| Capacitance, pF/ft [pF/m]             | 29.4 [96.46] |
| Maximum Operating Voltage, Volts      | 5,000        |
| Dielectric Withstanding Voltage, Vrms | 7,500        |

#### Electrical Specifications by Frequency

##### Frequency 1

|                                 |            |
|---------------------------------|------------|
| Frequency, MHz                  | 10         |
| Attenuation, dB/100ft [dB/100m] | 0.6 [1.97] |
| Power Handling, KWatts          | 25         |

##### Frequency 2

|                                 |            |
|---------------------------------|------------|
| Frequency, MHz                  | 100        |
| Attenuation, dB/100ft [dB/100m] | 2.1 [6.89] |
| Power Handling, KWatts          | 6.3        |

##### Frequency 3

|                                 |             |
|---------------------------------|-------------|
| Frequency, MHz                  | 1000        |
| Attenuation, dB/100ft [dB/100m] | 7.5 [24.61] |
| Power Handling, KWatts          | 1.7         |

##### Frequency 4

|                                 |           |
|---------------------------------|-----------|
| Frequency, GHz                  | 5         |
| Attenuation, dB/100ft [dB/100m] | 21 [68.9] |
| Power Handling, Watts           | 620       |

##### Frequency 5

|                                 |             |
|---------------------------------|-------------|
| Frequency, GHz                  | 10          |
| Attenuation, dB/100ft [dB/100m] | 35 [114.83] |
| Power Handling, Watts           | 350         |

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

## TECHNICAL DATA SHEET

RG393/U

**Mechanical Specifications****Temperature**

Operating Range, deg C -55 to +200

**Inner Conductor**

|                   |              |
|-------------------|--------------|
| Number of Strands | 7            |
| Material          | Copper       |
| Plating           | Silver       |
| Diameter, in [mm] | 0.094 [2.39] |

**Dielectric:**

|                   |              |
|-------------------|--------------|
| Type              | PTFE         |
| Diameter, in [mm] | 0.285 [7.24] |

**Shield:**

|                   |                            |
|-------------------|----------------------------|
| Number of         | 2                          |
| Material 1        | Silver Plated Copper Braid |
| Material 2        | Silver Plated Copper Braid |
| Diameter, in [mm] | 0.34 [8.64]                |

**Jacket:**

|                                       |             |
|---------------------------------------|-------------|
| Material                              | FEP         |
| Diameter, in [mm]                     | 0.39 [9.91] |
| Color                                 | Tan         |
| One Time Minimum Bend Radius, in [mm] | 3.9 [99.06] |
| Weight, lbs/ft [Kg/m]                 | 0.16 [0.24] |

**Compliance Certifications** (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

|                 |            |
|-----------------|------------|
| RoHS Compliant  |            |
| REACH Compliant | 06/18/2010 |

**Plotted and Other Data****Notes:**

- Values at +25 °C, sea level

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

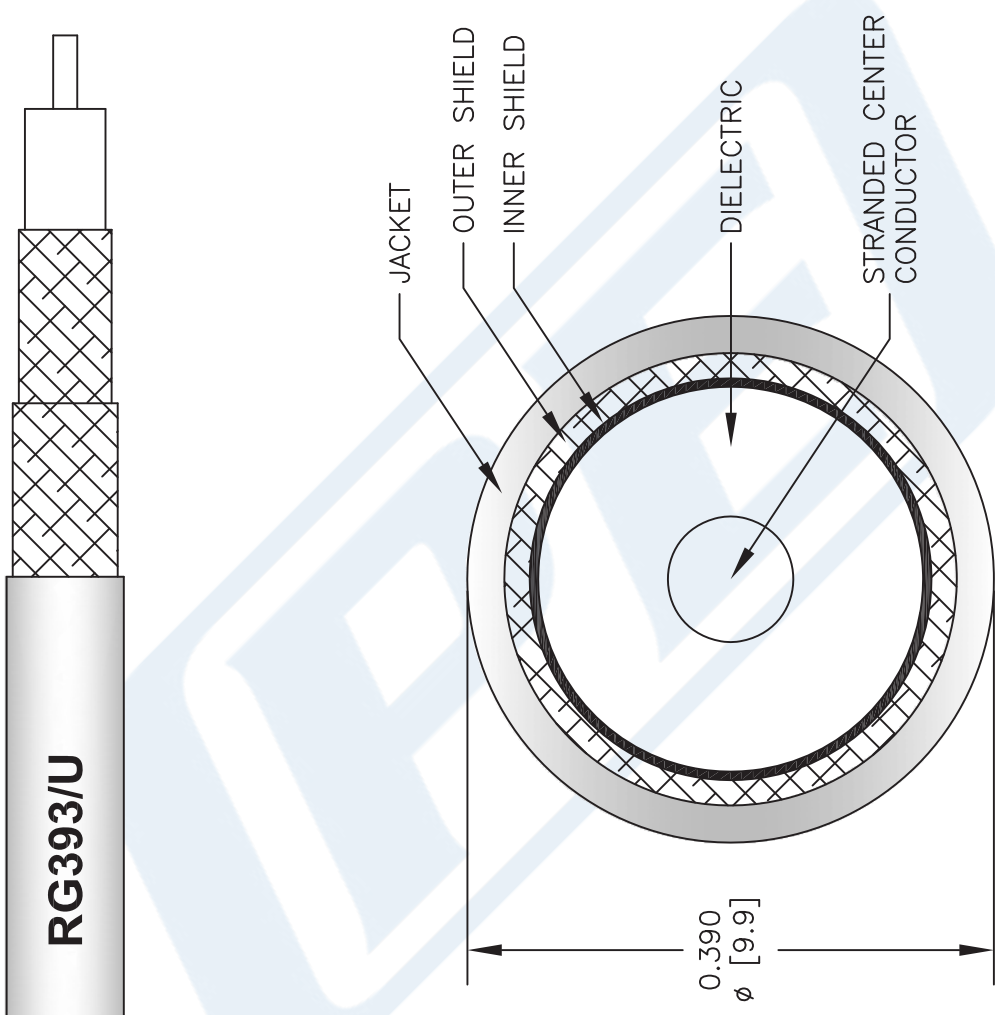
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG393 Coax Cable Double Shielded with Tan FEP Jacket RG393/U](http://www.pasternack.com/flexible-0.390-rg393-50-ohm-coax-cable-fep-jacket-rg393-u-p.aspx)

URL: <http://www.pasternack.com/flexible-0.390-rg393-50-ohm-coax-cable-fep-jacket-rg393-u-p.aspx>

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RG393/U CAD Drawing

Flexible RG393 Coax Cable Double Shielded with Tan FEP Jacket



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DWG TITLE  
**RG393/U**

FSCM NO. 53919

2233

SIZE A

SCALE N/A

CAD FILE 110712-C

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