



QMA Male Connector Crimp/Solder Attachment  
For RG55, RG142, RG223, RG400

TECHNICAL DATA SHEET

PE44514

**Configuration**

|                                    |                           |
|------------------------------------|---------------------------|
| Connector                          | QMA Male                  |
| Connector Interface Type           | RG55, RG142, RG223, RG400 |
| Attachment Method (Shield/Contact) | Crimp/Solder              |
| Body Style                         | Straight                  |

**Electrical Specifications**

|                 |             |
|-----------------|-------------|
| Frequency Range | DC to 6 GHz |
| Impedance       | 50 Ohms     |
| Maximum VSWR    | 1.3:1       |

**Mechanical Specifications**

|        |                    |
|--------|--------------------|
| Weight | 0.006 lbs [2.72 g] |
|--------|--------------------|

**Connector**

|                           |               |
|---------------------------|---------------|
| Type                      | QMA Male      |
| Body Material and Plating | Brass, Nickel |

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

RoHS Compliant

**Plotted and Other Data**

Notes:

- Values at +25 °C, sea level

QMA Male Connector Crimp/Solder Attachment For RG55, RG142, RG223, RG400 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.

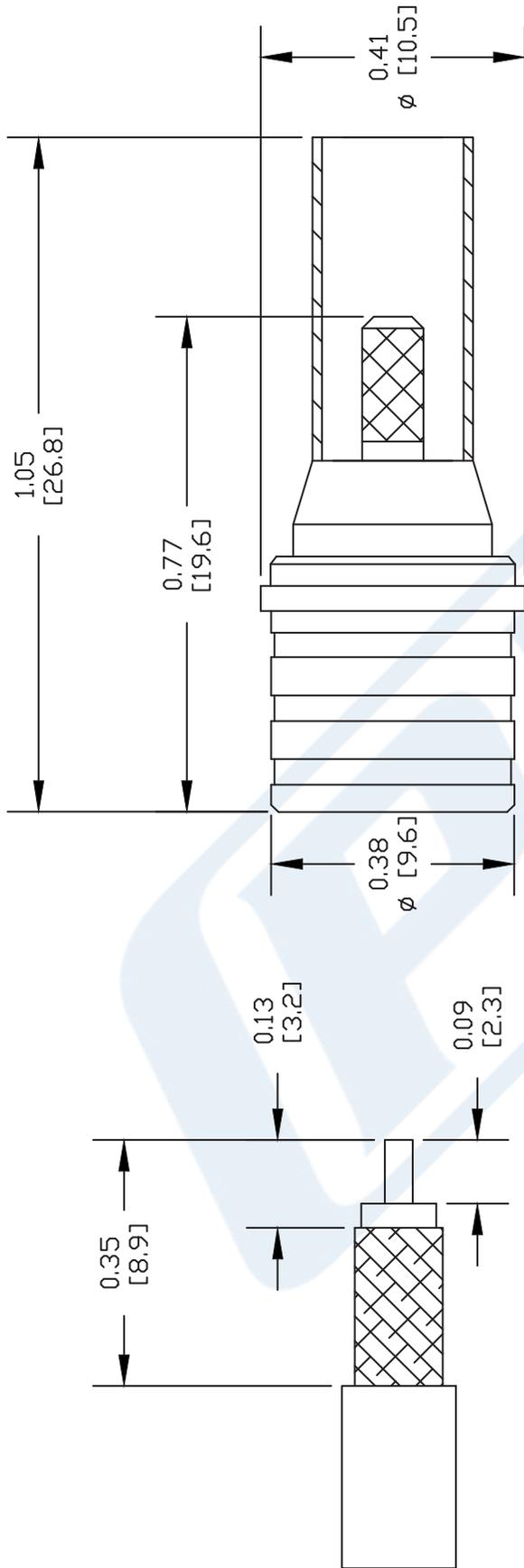
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [QMA Male Connector Crimp/Solder Attachment For RG55, RG142, RG223, RG400 PE44514](http://www.pasternack.com/qma-male-straight-18-ghz-solder-crimp-for-rg223-pe44514-p.aspx)

URL: <http://www.pasternack.com/qma-male-straight-18-ghz-solder-crimp-for-rg223-pe44514-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.

# PE44514 CAD Drawing

QMA Male Connector Crimp/Solder Attachment For RG55, RG142, RG223, RG400



STRIPPING DIMENSIONS

## CRIMP SIZE REQUIRED

CONTACT: SOLDER  
 FERRULE: .213" HEX CRIMP TOOL



Pasternack Enterprises, Inc.  
 P.O. Box 16759 | Irvine | CA | 92623  
 Phone: (949) 261-1920 | Fax: (949) 261-7451  
 Website: [www.pasternack.com](http://www.pasternack.com) | E-Mail: [sales@pasternack.com](mailto:sales@pasternack.com)

DWG TITLE

**PE44514**

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.

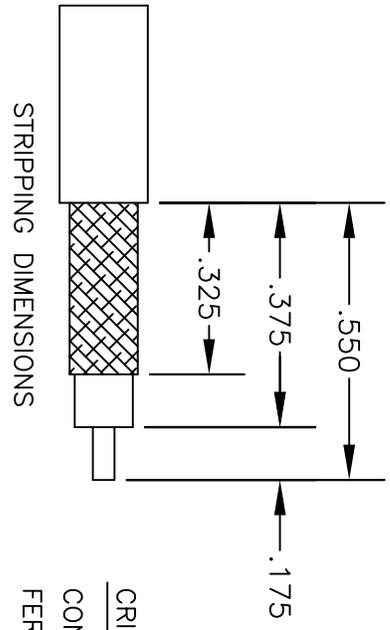
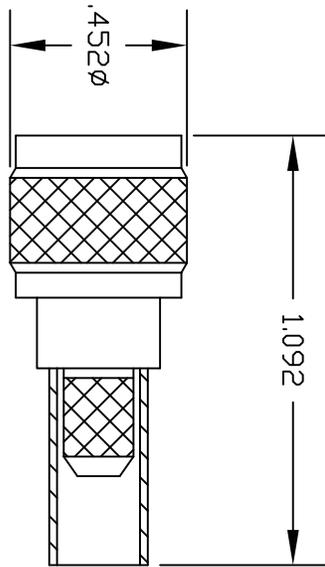
CAD FILE 011011

SCALE N/A

SIZE A

127

|                  |                     |
|------------------|---------------------|
| <b>MATERIALS</b> |                     |
| BODY             | BRASS NICKEL PLATED |
| CONTACT          | GOLD PLATED         |
| INSULATOR        | PTFE                |



STRIPPING DIMENSIONS

CRIMP SIZES REQUIRED

CONTACT: .068" HEX CRIMP TOOL  
 FERRULE: .213" HEX CRIMP TOOL



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 WEB ADDRESS: [www.pasternack.com](http://www.pasternack.com)  
 E-MAIL ADDRESS: [sales@pasternack.com](mailto:sales@pasternack.com)  
**COAXIAL & FIBER OPTICS**

DWG TITLE  
**PE4521**

DES. MINI UHF MALE, CRIMP ATTACHMENT FOR  
 RG55, RG142, RG223 & RG400

|        |                |          |        |       |     |  |     |
|--------|----------------|----------|--------|-------|-----|--|-----|
| SIZE A | FSCM NO. 53919 | CAD FILE | 052102 | SCALE | N/A |  | 127 |
|--------|----------------|----------|--------|-------|-----|--|-----|

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# TECHNICAL DATA SHEET RG142B/U

Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket

### Configuration

|                                      |  |
|--------------------------------------|--|
| Inner Conductor Material and Plating | Copper Clad Steel, Silver                              |
| Dielectric Type                      | PTFE   |
| Shield Materials                     | Silver Plated Copper Braid, Silver Plated Copper Braid |
| Jacket Material and Color            | FEP, Tan   |

### Electrical Specifications

|                                  |              |
|----------------------------------|--------------|
| Impedance, Ohms                  | 50           |
| Velocity of Propagation, %       | 69.2         |
| Maximum Operating Frequency, GHz | 8            |
| RF Shielding, dB                 | 90           |
| Capacitance, pF/ft [pF/m]        | 29.4 [96.46] |
| Maximum Operating Voltage, Volts | 1,900        |

### Electrical Specifications by Frequency

#### Frequency 1

|                                 |            |
|---------------------------------|------------|
| Frequency, MHz                  | 100        |
| Attenuation, dB/100ft [dB/100m] | 3.9 [12.8] |

#### Frequency 2

|                                 |            |
|---------------------------------|------------|
| Frequency, MHz                  | 1000       |
| Attenuation, dB/100ft [dB/100m] | 13 [42.65] |

#### Frequency 3

|                                 |              |
|---------------------------------|--------------|
| Frequency, GHz                  | 3            |
| Attenuation, dB/100ft [dB/100m] | 23.8 [78.08] |

#### Frequency 4

|                                 |             |
|---------------------------------|-------------|
| Frequency, GHz                  | 5           |
| Attenuation, dB/100ft [dB/100m] | 36 [118.11] |

### Mechanical Specifications

#### Temperature

|                        |             |
|------------------------|-------------|
| Operating Range, deg C | -55 to +200 |
|------------------------|-------------|

#### Inner Conductor

|                   |                   |
|-------------------|-------------------|
| Number of Strands | 1                 |
| Material          | Copper Clad Steel |
| Plating           | Silver            |
| Diameter, in [mm] | 0.037 [0.94]      |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket RG142B/U](#)

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# TECHNICAL DATA SHEET RG142B/U

**Dielectric:**

|                   |              |
|-------------------|--------------|
| Type              | PTFE         |
| Diameter, in [mm] | 0.116 [2.95] |

**Shield:**

|                   |                            |
|-------------------|----------------------------|
| Number of         | 2                          |
| Material 1        | Silver Plated Copper Braid |
| Material 2        | Silver Plated Copper Braid |
| Diameter, in [mm] | 0.156 [3.96]               |

**Jacket:**

|                                       |               |
|---------------------------------------|---------------|
| Material                              | FEP           |
| Diameter, in [mm]                     | 0.195 [4.95]  |
| Color                                 | Tan           |
| One Time Minimum Bend Radius, in [mm] | 0.984 [24.99] |
| Repeated Minimum Bend Radius, in [mm] | 2 [50.8]      |
| Weight, lbs/ft [Kg/m]                 | 0.046 [0.07]  |

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

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

**Plotted and Other Data**

|        |                            |
|--------|----------------------------|
| Notes: | Values at 25 °C, sea level |
|--------|----------------------------|

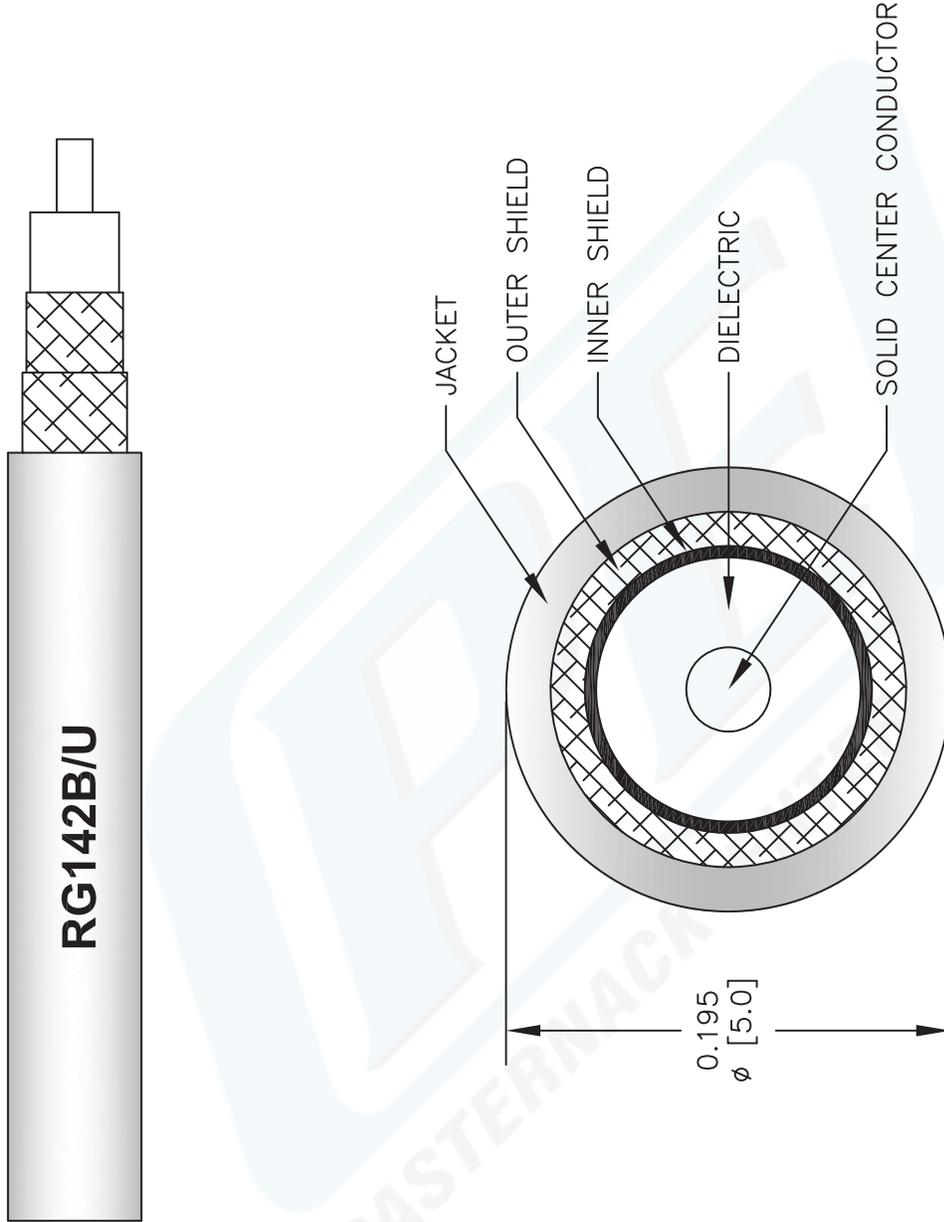
URL: <http://www.pasternack.com/flexible-0.195-rg142-50-ohm-coax-cable-fep-jacket-rg142b-u-p.aspx>

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# RG142B/U CAD Drawing

Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket



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DWG TITLE  
**RG142B/U**

FSCM NO. 53919

CAD FILE 022808-A

SCALE N/A

SIZE A

2233

**PE PASTERNAK®**  
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