



## 7/16 DIN Female Connector Clamp/Solder Attachment For RG14, RG217

### TECHNICAL DATA SHEET

PE44288

#### 7/16 DIN Female Connector Clamp/Solder Attachment For RG14, RG217

##### Configuration

|                                          |                 |
|------------------------------------------|-----------------|
| Connector                                | 7/16 DIN Female |
| Connector Specification                  | MIL-C-39012     |
| Connector Interface Type                 | RG14, RG217     |
| Cable Attachment Method (Shield/Contact) | Clamp/Solder    |
| Body Style                               | Straight        |

##### Electrical Specifications

|                                  |           |
|----------------------------------|-----------|
| Frequency Range, GHz             | DC to 7.5 |
| Impedance, Ohms                  | 50        |
| Maximum Operating Voltage, Volts | 2,700     |

##### Mechanical Specifications

###### Temperature

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

###### Size

|                     |                |
|---------------------|----------------|
| Length, in [mm]     | 2.24 [56.9]    |
| Width/Dia., in [mm] | 1.14 [28.96]   |
| Weight, lbs [g]     | 0.343 [155.58] |

##### Connector

|                               |                 |
|-------------------------------|-----------------|
| Type                          | 7/16 DIN Female |
| Contact Material and Plating  | Silver          |
| Contact Plating Specification | QQ-S-365        |
| Body Material and Plating     | Brass, Nickel   |
| Dielectric Type               | Teflon          |

##### Compliance Certifications (visit [www.Pasternack.com](http://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: [7/16 DIN Female Connector Clamp/Solder Attachment For RG14, RG217 PE44288](#)

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.



7/16 DIN Female Connector Clamp/Solder  
Attachment For RG14, RG217

TECHNICAL DATA SHEET

PE44288

**Plotted and Other Data**

Notes:

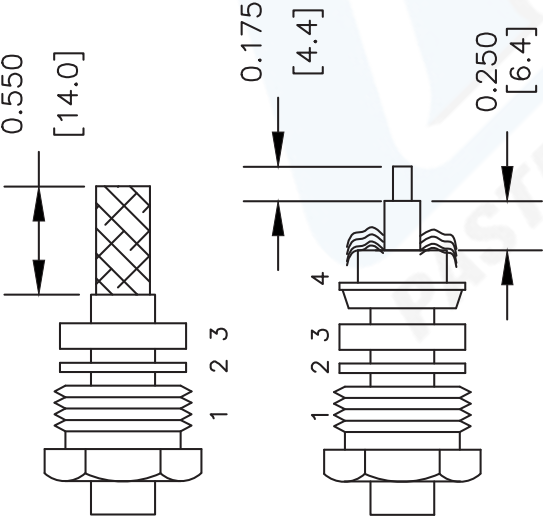
Values at 25 °C, sea level

7/16 DIN Female Connector Clamp/Solder Attachment For RG14, RG217 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: [7/16 DIN Female Connector Clamp/Solder Attachment For RG14, RG217 PE44288](http://www.pasternack.com/7-16-female-standard-rg14-rg217-connector-pe44288-p.aspx)

URL: <http://www.pasternack.com/7-16-female-standard-rg14-rg217-connector-pe44288-p.aspx>

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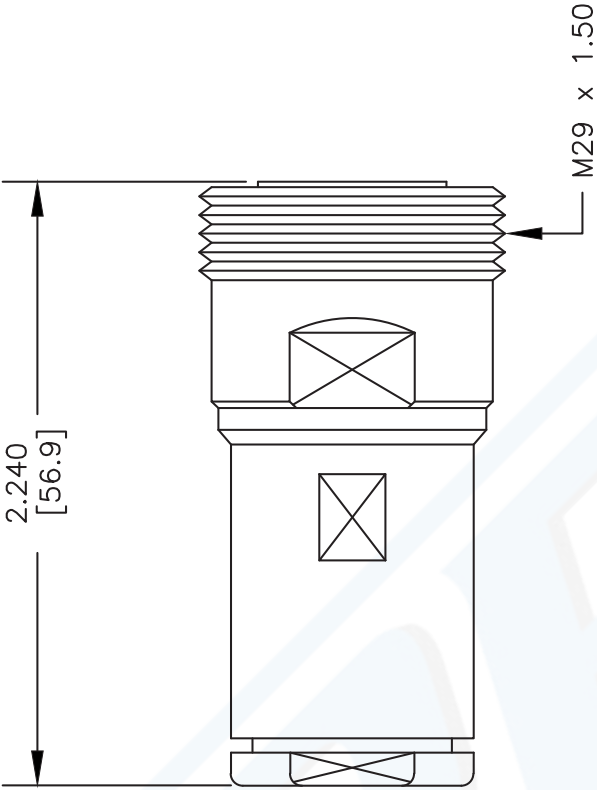


STRIPPING DIMENSIONS

ASSEMBLY PROCEDURES

SLIDE CLAMP NUT (1), WASHER (2) & GASKET (3) OVER CABLE. STRIP CABLE AS SHOWN. DO NOT NICK BRAID WHILE CUTTING JACKET. TAPER END OF BRAID TO PERMIT ASSEMBLY OF BRAID CLAMP (4). SLIDE BRAID CLAMP (4) OVER BRAID & SEAT AGAINST JACKET.

FORM BRAID OVER CLAMP NUT (4). TRIM BRAID BACK TO SHOULDER. CUT DIELECTRIC & CENTER CONDUCTOR TO DIMENSION SHOWN. DO NOT NICK CENTER CONDUCTOR. SOLDER CONTACT TO CENTER CONDUCTOR. REMOVE EXCESS SOLDER. DO NOT OVER HEAT DIELECTRIC. INSERT CABLE ASSEMBLY INTO BODY & TIGHTEN.



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

PE44288

FSCM NO. 53919

CAD FILE

020909

SCALE

SIZE A

XXXX



Pasternack Enterprises, Inc.  
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## HN Male Connector Clamp/Solder Attachment for RG14, RG217

## RF Connectors Technical Data Sheet

PE4475

**Configuration**

- HN Male Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry
- RG14, RG217 Interface Type
- Clamp/Solder Attachment

**Features**

- Max. Operating Frequency 4 GHz
- Gold Plated Brass Contact
- Contact plating according to MIL-G-45204

**Applications**

- General Purpose Test
- Custom Cable Assemblies

**Description**

Pasternack's PE4475 HN male connector with clamp/solder attachment for RG14 and RG217 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 4 GHz.

Our HN male connector PE4475 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      |         | 4       | GHz   |
| Operating Voltage (AC)               |         |         | 1,500   | Vrms  |
| Dielectric Withstanding Voltage (AC) |         |         | 5,000   | Vrms  |
| Insulation Resistance                | 5,000   |         |         | MOhms |

**Mechanical Specifications****Size**

|            |                     |
|------------|---------------------|
| Length     | 1.91 in [48.51 mm]  |
| Width/Dia. | 0.866 in [22.00 mm] |
| Weight     | 0.167 lbs [75.75 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 Clamp/Solder Attachment for RG14, RG217 PE4475](#)



## HN Male Connector Clamp/Solder Attachment for RG14, RG217

### RF Connectors Technical Data Sheet

PE4475

#### Material Specifications

| Description  | Material | Plating             |
|--------------|----------|---------------------|
| Contact      | Brass    | Gold<br>MIL-G-45204 |
| Insulation   | PTFE     |                     |
| Body         | Brass    | Nickel<br>QQ-N-290  |
| Coupling Nut | Brass    | Nickel<br>QQ-N-290  |

#### Environmental Specifications

##### Temperature

Operating Range

-65 to +165 deg C

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

#### Plotted and Other Data

Notes:

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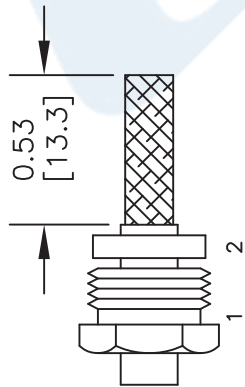
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URL: <https://www.pasternack.com/hn-male-standard-rg14-rg217-connector-pe4475-p.aspx>

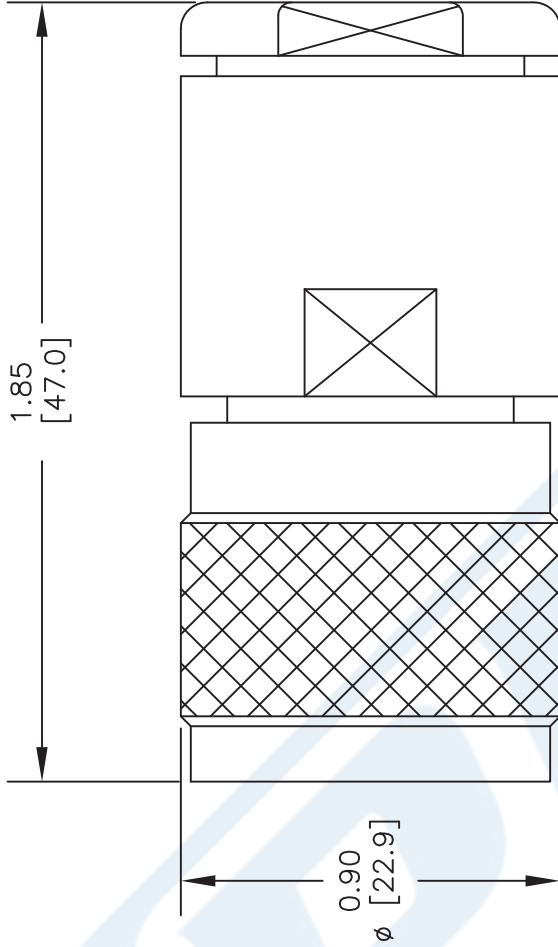
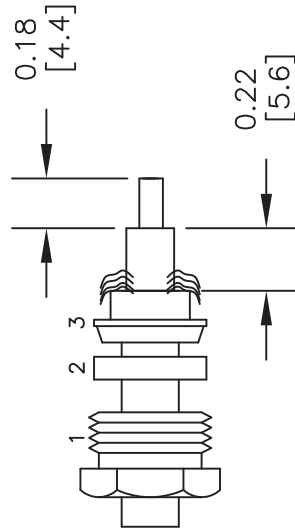
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### ASSEMBLY PROCEDURES

1. SLIDE CLAMP NUT (1) & GASKET (2) OVER CABLE. STRIP CABLE AS SHOWN. DO NOT NICK BRAID WHILE CUTTING JACKET. TAPER END OF BRAID TO PERMIT ASSEMBLY OF BRAID CLAMP (3) SLIDE BRAID CLAMP(3) OVER BRAID & SEAT AGAINST CABLE.



2. FORM BRAID OVER CLAMP NUT (3). TRIM BRAID BACK TO SHOULDER. CUT DIELECTRIC TO DIMENSION SHOWN. DO NOT NICK CENTER CONDUCTOR. SOLDER CONTACT TO CENTER CONDUCTOR. REMOVE EXCESS SOLDER. DO NOT OVER HEAT DIELECTRIC. INSERT CABLE ASSEMBLY INTO BODY & TIGHTEN.



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DWG TITLE

**PE4475**

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

REV. -

FSCM NO. 53919

CAD FILE

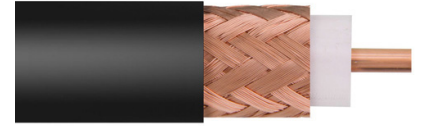
052202

SCALE N/A

SIZE A

2233

## Flexible RG217 Coax Cable Double Shielded with Black PVC Jacket



### RG217/U

#### Configuration

- Flexible Cable
- 2 Shield(s)

#### Features

#### Applications

#### Description

#### Electrical Specifications

| Description             | Minimum | Typical       | Maximum | Units        |
|-------------------------|---------|---------------|---------|--------------|
| Frequency Range         | DC      |               | 1,000   | MHz          |
| Impedance               |         | 50            |         | Ohms         |
| Velocity of Propagation |         | 66            |         | %            |
| Operating Voltage (AC)  |         |               | 5,200   | Vrms         |
| Nominal Capacitance     |         | 30.8 [101.05] |         | pF/ft [pF/m] |
| Power@ 1GHz             |         |               | 260     | Watts        |

#### Performance by Frequency Band

| Description           | F1    | F2    | F3    | F4 | F5 | Units    |
|-----------------------|-------|-------|-------|----|----|----------|
| Frequency             | 10    | 100   | 1,000 |    |    | MHz      |
| Attenuation, Typ      | 0.45  | 1.54  | 6.37  |    |    | dB/100ft |
|                       | 1.48  | 5.05  | 20.9  |    |    | dB/100m  |
| Input Power (CW), Max | 6,000 | 1,200 | 260   |    |    | Watts    |

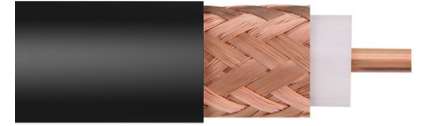
#### Mechanical Specifications

|          |                          |
|----------|--------------------------|
| Diameter | 0.545 in [13.84 mm]      |
| Weight   | 0.205 lbs/ft [0.31 kg/m] |

#### Construction Specifications

| Description     | Material and Plating | Diameter            |
|-----------------|----------------------|---------------------|
| Inner Conductor | Copper, 1 Strand     | 0.106 in [2.69 mm]  |
| Conductor Type  | Solid                |                     |
| Dielectric      | PE                   | 0.37 in [9.4 mm]    |
| First Shield    | Copper Braid         |                     |
| Second Shield   | Copper Braid         | 0.417 in [10.59 mm] |
| Jacket          | PVC, Black           | 0.545 in [13.84 mm] |

## Flexible RG217 Coax Cable Double Shielded with Black PVC Jacket



### RG217/U

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#### Environmental Specifications

##### Temperature

Operating Range

-40 to +80 deg C

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

#### Plotted and Other Data

Notes:

Flexible RG217 Coax Cable Double Shielded with Black PVC 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.

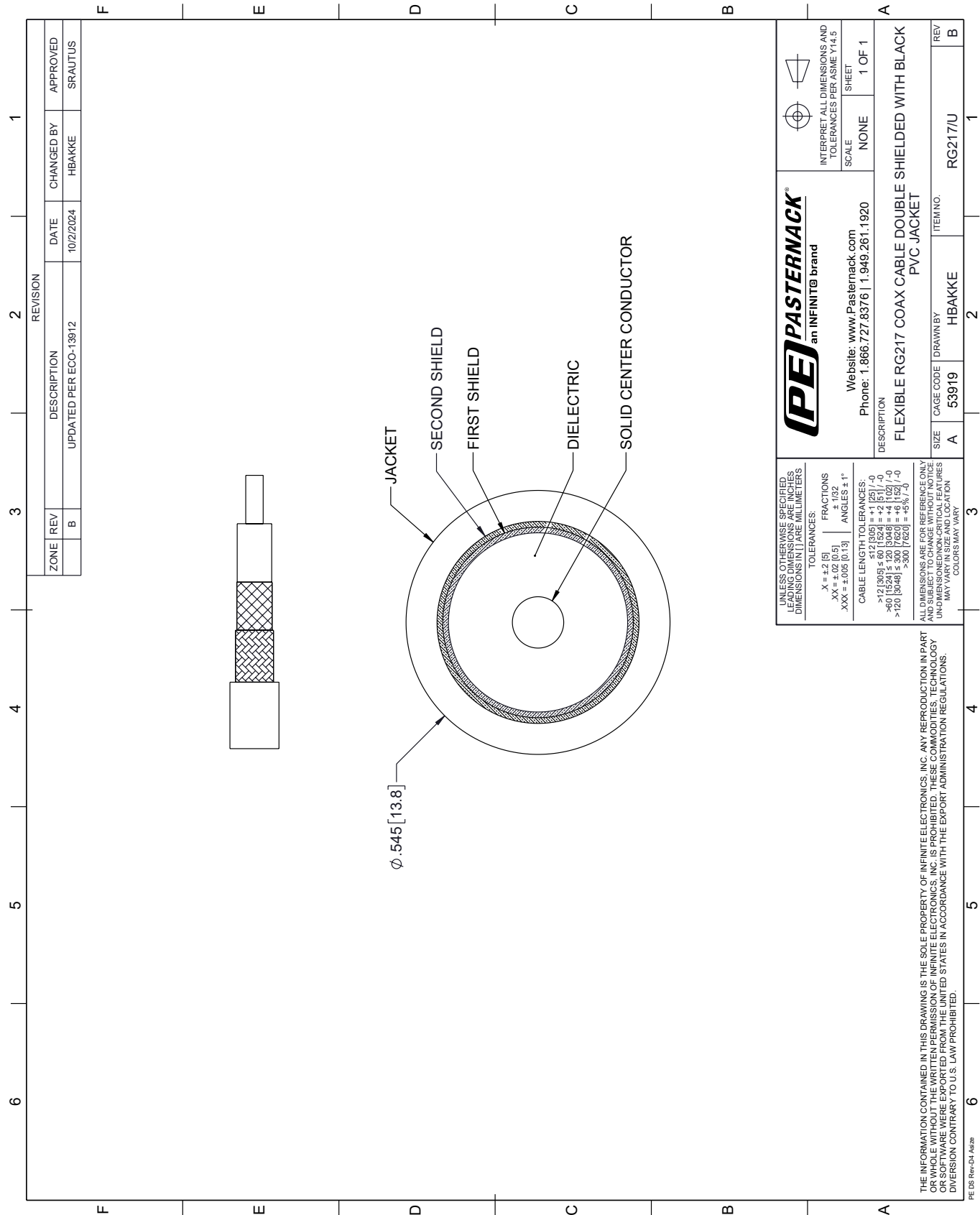
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG217 Coax Cable Double Shielded with Black PVC Jacket RG217/U](#)

URL: <https://www.pasternack.com/flexible-0.545-rg217-50-ohm-coax-cable-pvc-jacket-rg217-u-p.aspx>

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RG217/U CAD Drawing

Flexible RG217 Coax Cable Double Shielded with Black PVC Jacket



| REVISION    |     | DATE                  | CHANGED BY | APPROVED |
|-------------|-----|-----------------------|------------|----------|
| ZONE        | REV |                       |            |          |
|             | B   | 10/2/2024             | HBAKKE     | SRAUTUS  |
| DESCRIPTION |     | UPDATED PER ECO-13812 |            |          |

|                                                                                                                                        |  |                                                                                                               |  |                                                                                                                                               |  |
|----------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------|--|
|  <b>PASTERNAK</b><br>an INFINITE <sup>®</sup> brand |  | Website: <a href="http://www.Pasternack.com">www.Pasternack.com</a><br>Phone: 1.866.727.8376   1.949.261.1920 |  | <br>INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 |  |
| UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES, DIMENSIONS IN [ ] ARE MILLIMETERS                                        |  | TOLERANCES:                                                                                                   |  | SCALE<br>NONE                                                                                                                                 |  |
| .X = ±.2 [5]<br>.XX = ±.02 [0.5]<br>.XXX = ±.005 [0.13]                                                                                |  | FRACTIONS<br>± 1/32<br>ANGLES ± 1°                                                                            |  | SHEET<br>1 OF 1                                                                                                                               |  |
| CABLE LENGTH TOLERANCES:                                                                                                               |  | DESCRIPTION                                                                                                   |  | REV                                                                                                                                           |  |
| >12 [305] ≤ 60 [1524] = ±.125 [-0]                                                                                                     |  | FLEXIBLE RG217 COAX CABLE DOUBLE SHIELDED WITH BLACK PVC JACKET                                               |  | B                                                                                                                                             |  |
| >60 [1524] ≤ 120 [3048] = ±.102 [-0]                                                                                                   |  | SIZE                                                                                                          |  | A                                                                                                                                             |  |
| >120 [3048] ≤ 300 [7620] = ±.063 [-0]                                                                                                  |  | CAGE CODE                                                                                                     |  | 53919                                                                                                                                         |  |
| ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNLESS OTHERWISE SPECIFIED, DIMENSIONS MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.          |  | DRAWN BY                                                                                                      |  | HBAKKE                                                                                                                                        |  |
|                                                                                                                                        |  | ITEM NO.                                                                                                      |  | RG217/U                                                                                                                                       |  |

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