

N Female Connector Crimp/Solder Attachment 4 Hole  
Flange For RG58, .718 inch Hole Spacing



TECHNICAL DATA SHEET

PE44069

**N Female Connector Crimp/Solder Attachment 4 Hole Flange For RG58, .718 inch Hole Spacing**

**Configuration**

|  |               |
|--|---------------|
| Connector                                | N Female      |
| Connector Specification                  | MIL-STD-348A  |
| Connector Interface Type                 | RG58          |
| Cable Attachment Method (Shield/Contact) | Crimp/Solder  |
| Body Style                               | Straight      |
| Mount Method                             | 4 Hole Flange |

**Electrical Specifications**

|                                       |          |
|---------------------------------------|----------|
| Frequency Range, GHz                  | DC to 11 |
| Impedance, Ohms                       | 50       |
| Maximum Operating Voltage, Volts      | 1,000    |
| Dielectric Withstanding Voltage, Vrms | 1,500    |

**Mechanical Specifications**

**Temperature**

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

**Size**

|                     |               |
|---------------------|---------------|
| Length, in [mm]     | 1.375 [34.93] |
| Width/Dia., in [mm] | 1 [25]        |
| Height, in [mm]     | 1 [25.4]      |
| Weight, lbs [g]     | 0.068 [30.84] |

**Connector**

|                               |                  |
|-------------------------------|------------------|
| Type                          | N Female         |
| Contact Material and Plating  | Brass, Gold      |
| Contact Plating Specification | 30µ in. minimum  |
| Body Material and Plating     | Brass, Nickel    |
| Body Plating Specification    | 100µ in. minimum |
| Dielectric Type               | Teflon           |

**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 |
|--------|----------------------------|

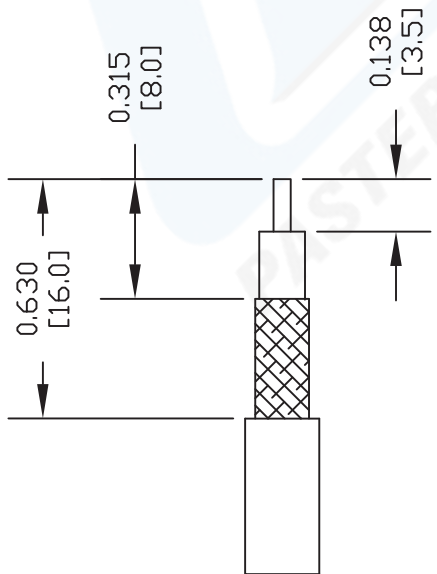
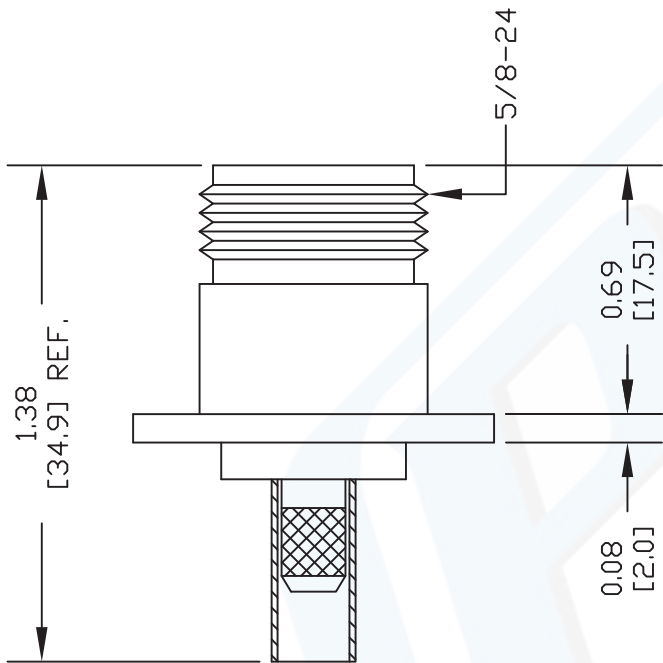
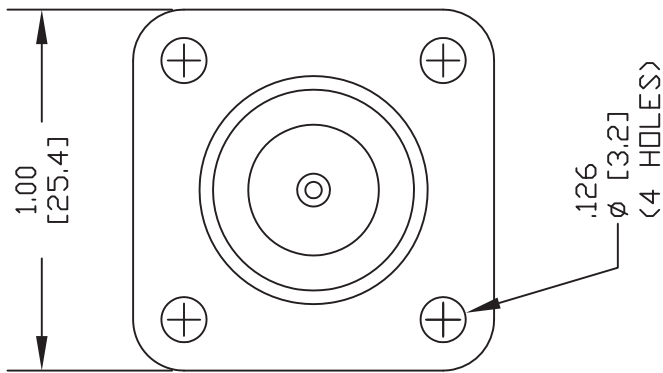
URL: <http://www.pasternack.com/n-female-standard-rg58-connector-pe44069-p.aspx>

N Female Connector Crimp/Solder Attachment 4 Hole Flange For RG58, .718 inch Hole Spacing from Pasternack Enterprises has same day shipment for domestic and International orders. We maintain 99% availability of the industry's broadest selection of RF, microwave and fiber optic products.

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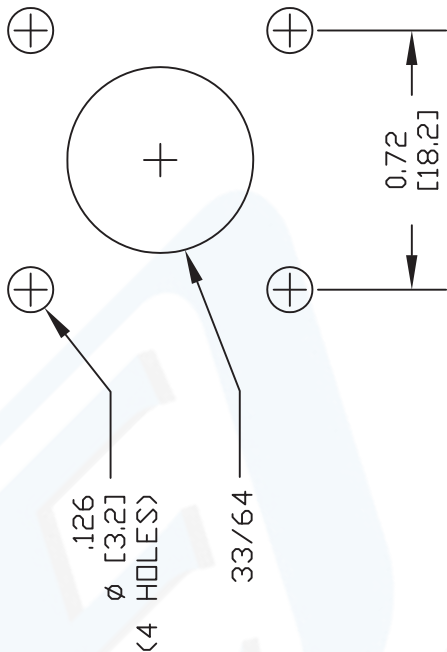
# PE44069 CAD Drawing

N Female Connector Crimp/Solder Attachment 4 Hole  
Flange For RG58, .718 inch Hole Spacing



STRIPPING DIMENSIONS

CRIMP SIZE REQUIRED  
CONTACT: .100" HEX CRIMP TOOL  
FERRULE: .213" HEX CRIMP TOOL



MOUNTING HOLES

- 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

**PE44069**

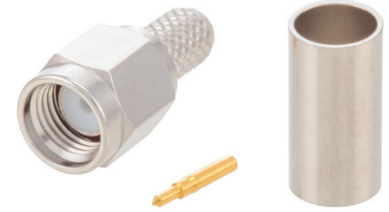
FSCM NO. 53919

2231

**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

## 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 µin 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 µin minimum    |
| Insulation   | PTFE     |                           |
| Body         | Brass    | Nickel<br>100 µin minimum |
| Coupling Nut | Brass    | Nickel<br>100 µin 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.

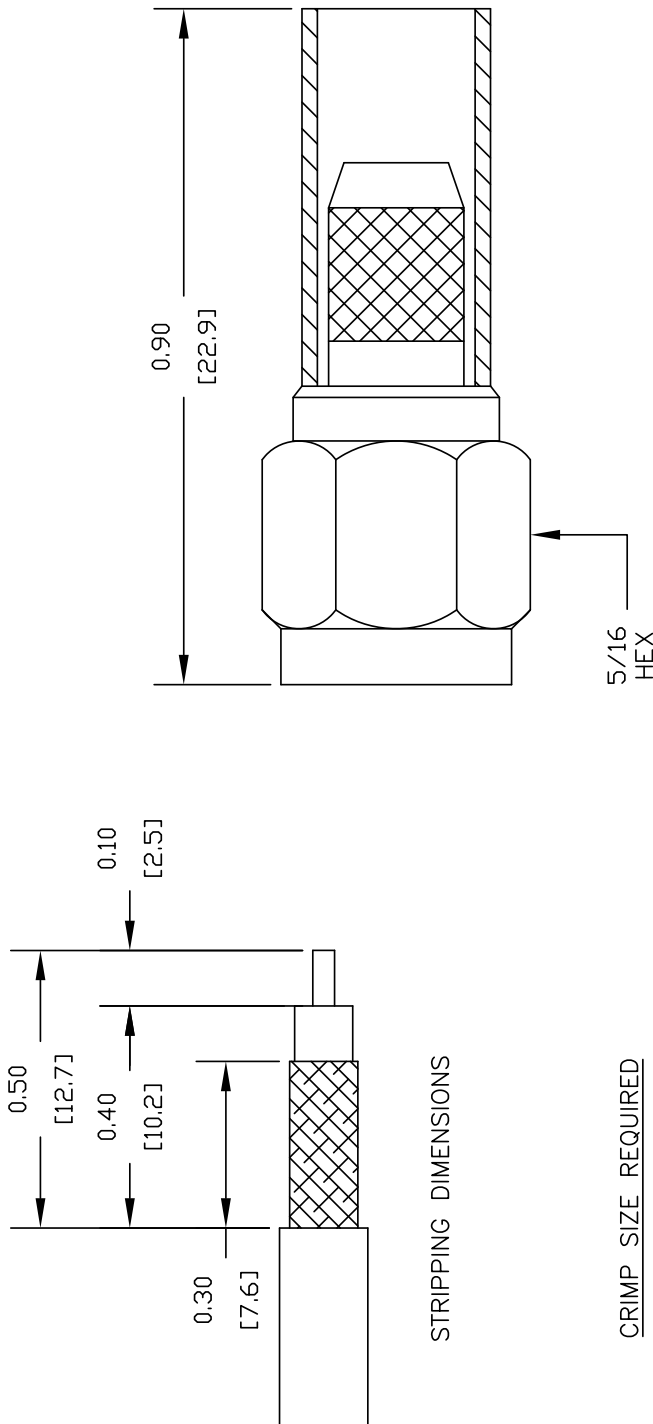
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Connector Crimp/Solder Attachment for RG58, RG303, RG141, PE-C195, LMR-195, 0.195 inch PE4215](#)

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

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PE4215 CAD Drawing

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



STRIPPING DIMENSIONS

CRIMP SIZE REQUIRED  
CONTACT: SOLDER  
FERRULE: .213" HEX CRIMP TOOL



Pasternack Enterprises, Inc.

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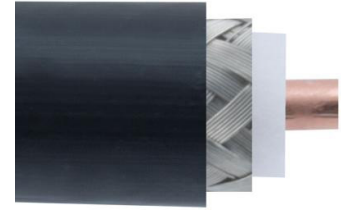
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|           |  |  |  |  |  |                 |           |        |     |
|-----------|--|--|--|--|--|-----------------|-----------|--------|-----|
| DWG TITLE |  | FSCM NO. 53919   |  |  |  | CAD FILE 010611 | SCALE N/A | SIZE A | 127 |
| PE4215    |  | NOTES:<br>1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.<br>2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.<br>3. DIMENSIONS ARE IN INCHES [mm].<br>4. FITS MIL-C-17 AND EQUIVALENT CABLES. |  |  |  |                 |           |        |     |
| REV. -    |  |  |  |  |  |                 |           |        |     |

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## Low PIM Flexible TCOM-195 Coax Cable Triple Shielded with Black PE Jacket



### TCOM-195

#### Configuration

- Low PIM Flexible Cable
- 3 Shield(s)

#### Features

- Lightweight and Extremely Flexible
- PIM < -155 dBc
- RF Shielding >100 dB
- Low Loss Dielectric 80% VoP
- UV Resistant, Life Expectancy > 20 Years

#### Applications

- Wireless Base Station Interconnect
- Distributed Antenna Systems (DAS)
- Outdoor Applications
- Antenna Jumpers
- Small Cell

#### Description

The TCOM-195 part number from Pasternack is a TCOM-195 low PIM coax cable that is flexible. Pasternack flexible coax RF cable has an impedance of 50 Ohm and a foam polyethylene dielectric. Our TCOM-195 coax cable is constructed with a 0.195-inch jacket made of polyethylene. This coaxial cable has a dielectric withstanding voltage of 1000 Vdc. This black low PIM coax cable has a nominal capacitance of 25.40 pF/Ft

This TCOM-195 flexible RF cable has a shield count of 3. Our coax cable from Pasternack has a maximum frequency of 18 GHz. The maximum passive intermodulation of this low PIM cable is -155 dBc. Additional specifications for this TCOM-195 RF coaxial cable are on our downloadable PDF datasheet above. This low PIM RF cable has a one-time minimum bend radius of 0.5 inches and a repeat minimum bend radius of 2 inches. Our flexible 50 Ohm coax cable has a peak power rating of 2500 watts.

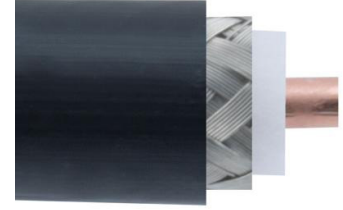
Our TCOM-195 coax cable can operate at temperatures ranging from -40 to 85 deg C. The black-colored coax RF cable has a typical insertion loss/attenuation of 4.5, 8, 11, 17, 27, 39, and 54 dB/100ft at frequencies of 150 MHz, 450 MHz, 900 MHz, 2000 MHz, 5000 MHz, 10000 MHz and 18000 MHz respectively. Our TCOM-195 flexible RF cable has a solid copper center conductor. This coaxial cable features a dual shield of tinned copper braid over the silver plated copper braid.

Pasternack TCOM-195 low PIM coax cables are part of our RF, microwave, and millimeter wave components. These flexible cables and our other RF parts are available for same-day shipping worldwide. Custom RF cable assemblies using TCOM-195, or other coax can be built and shipped the same business day as well.

#### Electrical Specifications

| Description                          | Minimum | Typical     | Maximum | Units        |
|--------------------------------------|---------|-------------|---------|--------------|
| Frequency Range                      | DC      |             | 18      | GHz          |
| Impedance                            |         | 50          |         | Ohms         |
| Velocity of Propagation              |         | 80          |         | %            |
| Time Delay                           |         | 1.27 [4.17] |         | ns/ft [ns/m] |
| Passive Intermodulation              |         |             | -155    | dBc          |
| Dielectric Withstanding Voltage (DC) |         |             | 1,000   | Vdc          |
| Jacket Spark                         |         |             | 3,000   | Vrms         |

## Low PIM Flexible TCOM-195 Coax Cable Triple Shielded with Black PE Jacket



### TCOM-195

#### Electrical Specifications

| Description                   | Minimum | Typical      | Maximum | Units        |
|-------------------------------|---------|--------------|---------|--------------|
| Inner Conductor DC Resistance |         |              | 7.16    | Ohms/1000ft  |
| Outer Conductor DC Resistance |         |              | 3.42    | Ohms/1000ft  |
| Nominal Capacitance           |         | 25.4 [83.33] |         | pF/ft [pF/m] |
| Nominal Inductance            |         | 0.064 [0.21] |         | uH/ft [uH/m] |
| Input Power (Peak)            |         |              | 2.5     | kWatts       |

#### Performance by Frequency Band

| Description      | F1    | F2    | F3    | F4    | F5    | Units    |
|------------------|-------|-------|-------|-------|-------|----------|
| Frequency        | 0.15  | 0.45  | 0.9   | 2     | 5     | GHz      |
| Attenuation, Typ | 4.5   | 8     | 11    | 17    | 27    | dB/100ft |
|                  | 14.76 | 26.25 | 36.09 | 55.77 | 88.58 | dB/100m  |

| Description      | F6     | F7     | F8 | F9 | F10 | Units    |
|------------------|--------|--------|----|----|-----|----------|
| Frequency        | 10     | 18     |    |    |     | GHz      |
| Attenuation, Typ | 39     | 54     |    |    |     | dB/100ft |
|                  | 127.95 | 177.17 |    |    |     | dB/100m  |

#### Mechanical Specifications

|                                 |                          |
|---------------------------------|--------------------------|
| Diameter                        | 0.195 in [4.95 mm]       |
| Weight                          | 0.035 lbs/ft [0.05 kg/m] |
| Min. Bend Radius (Installation) | 0.5 in [12.7 mm]         |
| Min. Bend Radius (Repeated)     | 2 in [50.8 mm]           |
| Bending Moment                  | 0.2 lbs-ft [0.27 N-m]    |
| Flat Plate Crush                | 15 lbs/in [0.27 kg/mm]   |

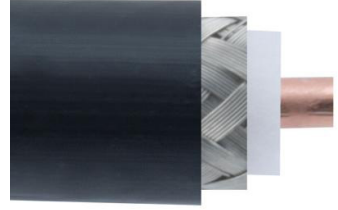
#### Construction Specifications

| Description     | Material and Plating                   | Diameter           |
|-----------------|--|--------------------|
| Inner Conductor | Copper, 1 Strand                       | 0.037 in [0.94 mm] |
| Conductor Type  | Solid                                  |                    |
| Dielectric      | PE (F)                                 | 0.11 in [2.79 mm]  |
| First Shield    | Silver Plated Copper Braid             | 0.12 in [3.05 mm]  |
| Second Shield   | Tinned Copper Braid over Aluminum Tape | 0.148 in [3.76 mm] |
| Jacket          | PE, Black                              | 0.195 in [4.95 mm] |

#### Environmental Specifications

|                 |                  |
|-----------------|------------------|
| Temperature     |                  |
| Operating Range | -40 to +85 deg C |

## Low PIM Flexible TCOM-195 Coax Cable Triple Shielded with Black PE Jacket



### TCOM-195

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|                    |                  |
|--------------------|------------------|
| Installation Range | -40 to +85 deg C |
| Storage Range      | -70 to +85 deg C |

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

#### Plotted and Other Data

Notes:

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URL: <https://www.pasternack.com/low-pim-flexible-tcom240-bulk-pe-jacket-silver-plated-copper-braid-over-tinned-copper-braid-outer-conductor-double-shielded-tcom-240-bulk-p.aspx>

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TCOM-195 CAD Drawing

Low PIM Flexible TCOM-195 Coax Cable Triple Shielded with Black PE Jacket

