



NMO Mount Connector Crimp/Solder Attachment  
for PE-C195, PE-P195, RG58, RG55, RG141,  
RG142, RG223, RG400, RG303, LMR-195

## RF Connectors Technical Data Sheet

**PE51021**

### Configuration

- NMO Mount Sexless Connector
- 50 Ohms
- Straight Body Geometry
- PE-C195, PE-P195, RG58, RG55, RG141, RG142, RG223, RG400, RG303, LMR-195 Interface Type
- Crimp/Solder Attachment

### Applications

- General Purpose Test
- Custom Cable Assemblies

### Description

Pasternack's PE51021 NMO Mount connector with crimp/solder attachment for PE-C195, PE-P195, RG58, RG55, RG141, RG142, RG223, RG400, RG303 and LMR-195 is part of our full line of RF components available for same-day shipping.

Our NMO Mount connector PE51021 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

Weight 0.07 lbs [31.75 g]

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

### Plotted and Other Data

Notes:

NMO Mount Connector Crimp/Solder Attachment for PE-C195, PE-P195, RG58, RG55, RG141, RG142, RG223, RG400, RG303, LMR-195 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.

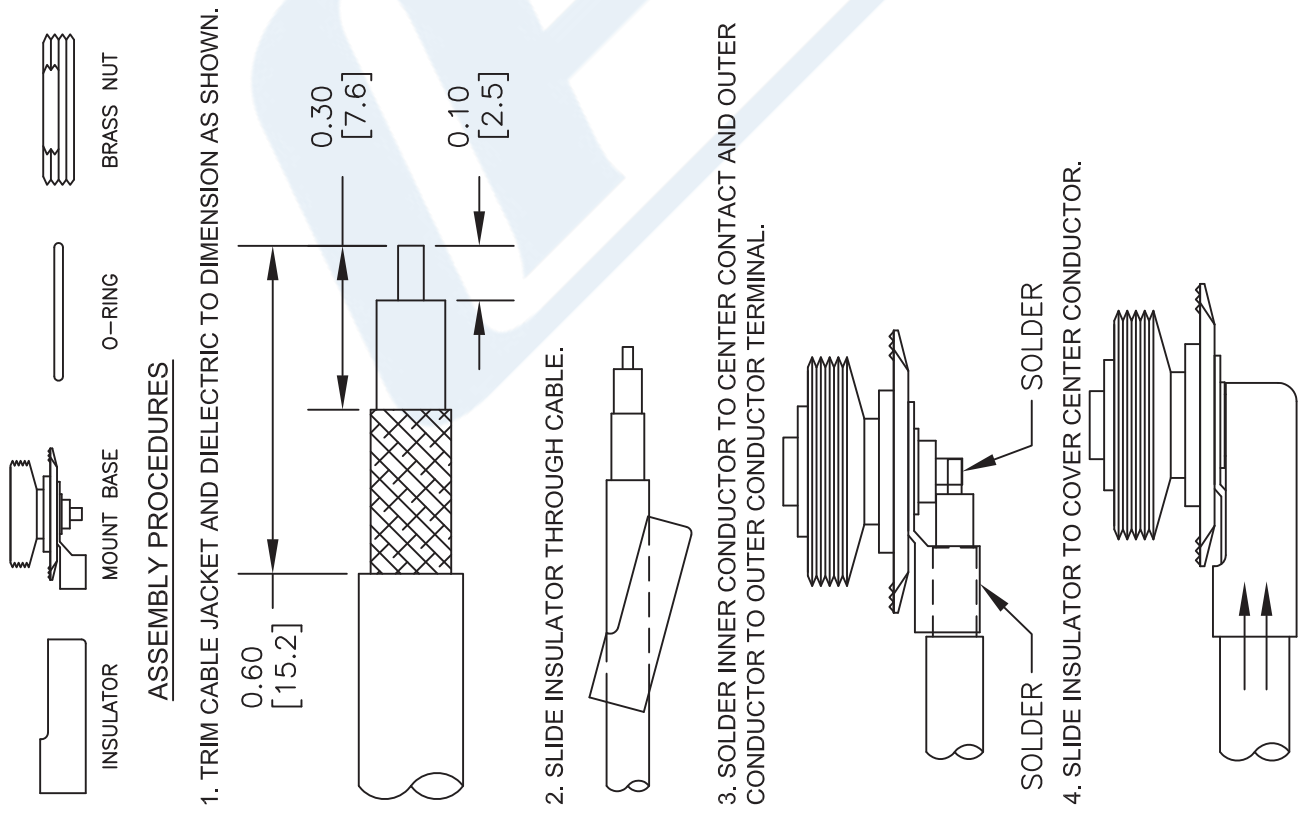
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [NMO Mount Connector Crimp/Solder Attachment for PE-C195, PE-P195, RG58, RG55, RG141, RG142, RG223, RG400, RG303, LMR-195 PE51021](#)

URL: <https://www.pasternack.com/nmo-mount-pe-c195-connector-pe51021-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.

# PE51021 CAD Drawing

NMO Mount Connector Crimp/Solder Attachment for PE-C195, PE-P195, RG58, RG55, RG141, RG142, RG223, RG400, RG303, LMR-195



BUSHING ASSEMBLY

MOUNTING HOLE

DWG TITLE

PE51021

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.



**PASTERNAK ENTERPRISES, INC.**  
P.O. BOX 16759, IRVINE, CA 92623  
PHONE (949) 261-1920 FAX (949) 261-7451  
WEB ADDRESS: [www.pasternack.com](http://www.pasternack.com)  
E-MAIL ADDRESS: [sales@pasternack.com](mailto:sales@pasternack.com)  
COAXIAL & FIBER OPTICS

REV. D

FSCM NO. 53919

CAD FILE 051412

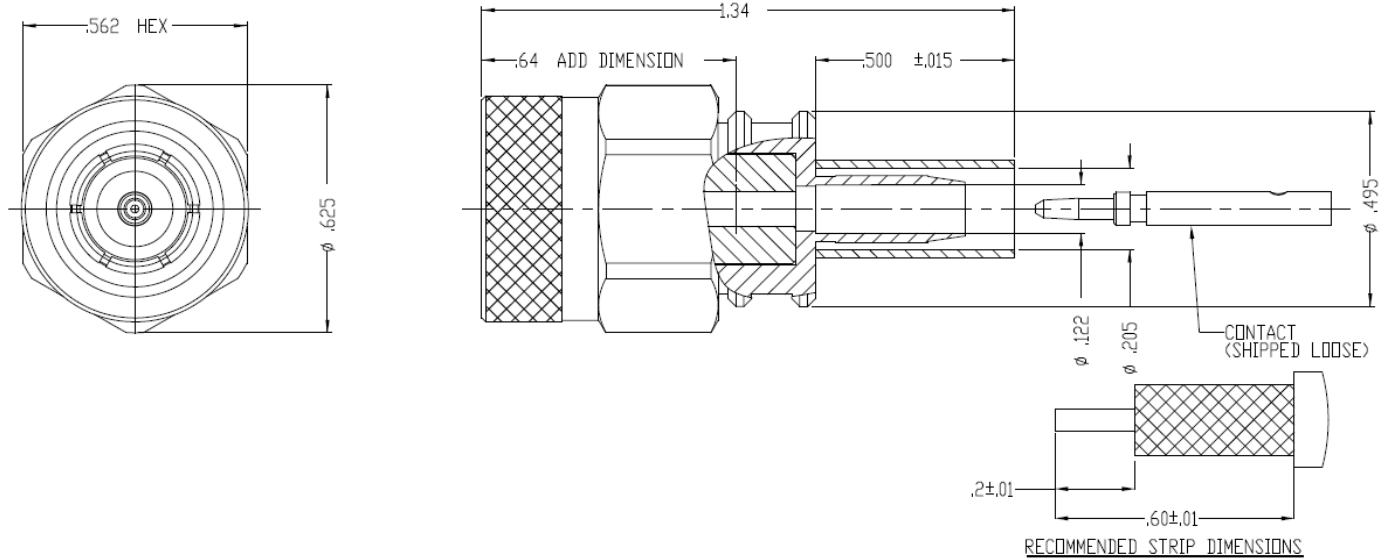
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SIZE A

2233

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| SYM | REVISION DESCRIPTION    | DFTM  | DATE    | APPD   | DATE    |
|-----|-------------------------|-------|---------|--------|---------|
| A   | RELEASED FOR PRODUCTION | N.N.N | 1/13/14 | J.D.B. | 1/13/14 |



**NOTES:**

- ASSEMBLED CONNECTOR INTERFACE IS DESIGNED TO MATE WITH STANDARD QMA JACK.
- MATERIAL:  
 BODY, CONTACT, COUPLING SLEEVE - BRASS PER ASTM B16, C36000 ALLOY, TEMPER H02  
 INSULATOR - TEFLON PER ASTM D1710, TYPE 1, GRADE 1, CLASS A  
 SHRINK SLEEVE - HEAT SHRINKABLE ATUM PER MIL-I-23053/4 (NOT SHOWN)  
 CRIMP SLEEVE - D.H.P. COPPER CDA, ALLOY #122, TEMPER HARD  
 FINGERS - BERYLLIUM COPPER PER ASTM B196, C17300 ALLOY, CONDITION HT
- FINISH:  
 CONTACT - GOLD PLATE PER ASTM B488  
 ALL OTHER METAL PARTS - SILVER PLATE PER ASTM B700

|                |  |                                                                                                                                                                                                                                      |                      |                                                       |              |                         |             |       |  |
|----------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------------------------------------------|--------------|-------------------------|-------------|-------|--|
| MATL:          |  | UNLESS OTHERWISE SPECIFIED                                                                                                                                                                                                           |                      | DFTM. N. N. N                                         |              | TIMES MICROWAVE SYSTEMS |             |       |  |
|                |  | ALL DIMENSIONS ARE IN INCHES<br>MACHINED SURFACES FINISH 63 RMS MAX.<br>REMOVE ALL BURRS .004 MAX. BREAK<br>MACHINE CORNERS .005 MAX. FILLET R.<br>TOLERANCES ON DECIMALS<br>. XX ± .01 . XXX ± .005<br>ANGLES ± 1° FRACTIONS ± 1/64 |                      | DATE 1/13/14                                          |              |                         |             |       |  |
| CHKD. J. D. B. |  |                                                                                                                                                                                                                                      |                      | TC-195-TM-X<br>CONNECTOR ASSEMBLY<br>TNCM for LMR-195 |              |                         |             |       |  |
| DATE 1/13/14   |  |                                                                                                                                                                                                                                      |                      |                                                       |              |                         |             |       |  |
| APPD. J. D. B. |  |                                                                                                                                                                                                                                      |                      |                                                       |              |                         |             |       |  |
| USED ON: A     |  |                                                                                                                                                                                                                                      |                      | DATE 1/13/14                                          |              |                         |             |       |  |
| SCALE: NONE    |  | DWG. SIZE A                                                                                                                                                                                                                          | DO NOT SCALE DRAWING | CODE IDENT 68999                                      | DATE 1/13/14 | SHEET 1 of 1            | SD3190-2879 | REV A |  |

Flexible RG58 Coax Cable Single Shielded  
with Black PVC (NC) Jacket

RF Cables Technical Data Sheet

RG58C/U

Configuration

- Flexible Cable
- 1 Shield(s)

Electrical Specifications

| Description             | Minimum | Typical       | Maximum | Units        |
|-------------------------|---------|---------------|---------|--------------|
| Frequency Range         | DC      |               | 5       | GHz          |
| Impedance               |         | 50            |         | Ohms         |
| Velocity of Propagation |         | 65.9          |         | %            |
| Operating Voltage (AC)  |         |               | 1,900   | Vrms         |
| Nominal Capacitance     |         | 30.8 [101.05] |         | pF/ft [pF/m] |

Performance by Frequency Band

| Description           | F1   | F2    | F3    | F4     | F5 | Units    |
|-----------------------|------|-------|-------|--------|----|----------|
| Frequency             | 0.01 | 0.1   | 1     | 5      |    | GHz      |
| Attenuation, Typ      | 1.4  | 4.9   | 20    | 60     |    | dB/100ft |
|                       | 4.59 | 16.08 | 65.62 | 196.85 |    | dB/100m  |
| Input Power (CW), Max |      |       | 44    |        |    | Watts    |

Mechanical Specifications

|                                 |                          |
|---------------------------------|--------------------------|
| Diameter                        | 0.195 in [4.95 mm]       |
| Weight                          | 0.025 lbs/ft [0.04 Kg/m] |
| Min. Bend Radius (Installation) | 0.98 in [24.89 mm]       |
| Min. Bend Radius (Repeated)     | 1.96 in [49.78 mm]       |

Construction Specifications

| Description     | Material and Plating    | Diameter           |
|-----------------|-------------------------|--------------------|
| Inner Conductor | Copper, Tin, 19 Strands | 0.036 in [0.91 mm] |
| Conductor Type  | Stranded                |                    |
| Dielectric      | PE                      | 0.116 in [2.95 mm] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG58 Coax Cable Single Shielded with Black PVC \(NC\) Jacket RG58C/U](#)

## Flexible RG58 Coax Cable Single Shielded with Black PVC (NC) Jacket

### RF Cables Technical Data Sheet

**RG58C/U**

|              |                     |                    |
|--------------|---------------------|--------------------|
| First Shield | Tinned Copper Braid | 0.138 in [3.51 mm] |
| Jacket       | PVC (NC), Black     | 0.195 in [4.95 mm] |

#### Environmental Specifications

##### Temperature

Operating Range

-40 to +80 deg C

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

#### Plotted and Other Data

Notes:

Flexible RG58 Coax Cable Single Shielded with Black PVC (NC) 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.

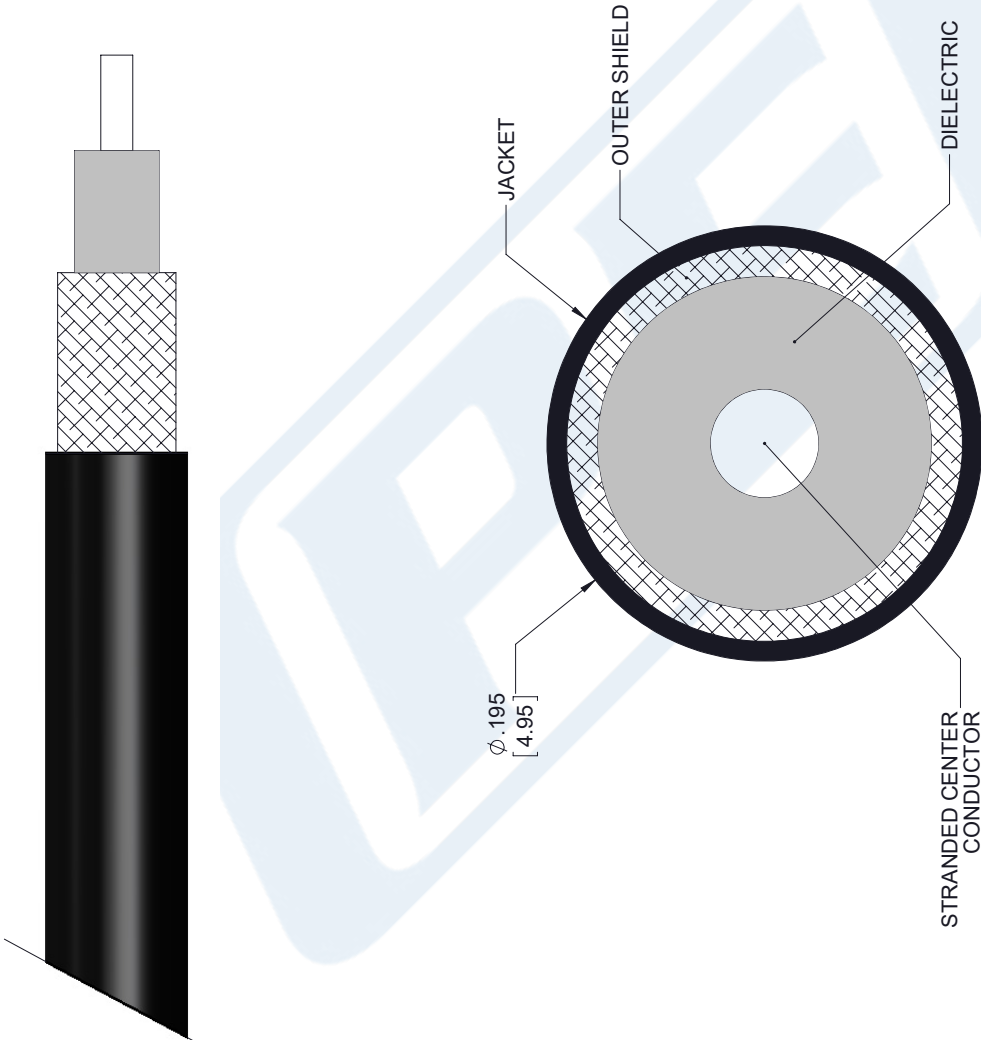
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG58 Coax Cable Single Shielded with Black PVC \(NC\) Jacket RG58C/U](#)

URL: <https://www.pasternack.com/flexible-0.195-rg58-50-ohm-coax-cable-pvc-jacket-rg58c-u-p.aspx>

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RG58C/U CAD Drawing

Flexible RG58 Coax Cable Single Shielded with Black PVC (NC) Jacket



SECTION VIEW

| STANDARD | TOLERANCES |
|----------|------------|
| .X       | ±0.2       |
| .XX      | ±0.01      |
| .XXX     | ±0.005     |

\*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES



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

DWG TITLE

RG58C/U

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