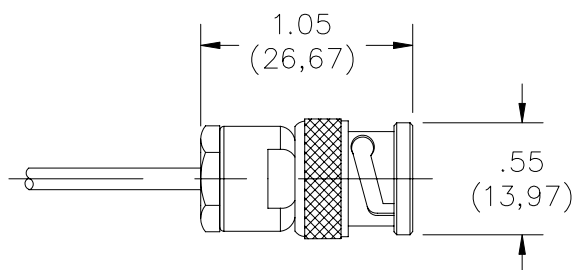


**Model 5307 50  $\Omega$  Male BNC Connector and Assembly  
Instructions**

Use Pomona 50  $\Omega$  BNC connectors for your favorite custom applications

**FEATURES:**

- Connector to accept Types **RG: 174, 179A, 179B, 187, 187A, 188, 188A and 316/U**
- Connector designed to meet interface requirements of MIL-STD-348

**MATERIALS:**

- Body and Hardware – Brass
- Center Contact – Gold Plated Brass
- Dielectric – PTFE
- Gasket – Silicone Rubber
- Body and Hardware – Tarnish Resistant Finish
- Center Contact – Gold Plated

**ORDERING INFORMATION:**

Model 5307

**RATINGS:**

- Operating Voltage: Hands free testing in controlled voltage environment: 500 VRMS Max.
- Nominal Impedance: 50 Ohms

**ASSEMBLY INSTRUCTIONS:**

See pages 2 and 3.

**Sales:**  
800-490-2361  
**Fax:**  
888-403-3360

**Technical Support:**  
800-241-2060  
or e-mail us at  
[technicalsupport@pomonatest.com](mailto:technicalsupport@pomonatest.com)

**Where to Buy:** [www.pomonaelectronics.com](http://www.pomonaelectronics.com)

*All dimensions are in inches. Tolerances (except noted): .xx =  $\pm 0.02$ " (.51 mm), .xxx =  $\pm 0.005$ " (.127 mm). All specifications are to the latest revisions. Specifications are subject to change without notice. Registered trademarks are the property of their respective companies.*

## Model 5307 50 $\Omega$ Male BNC Connector and Assembly Instructions

### ASSEMBLY INSTRUCTIONS

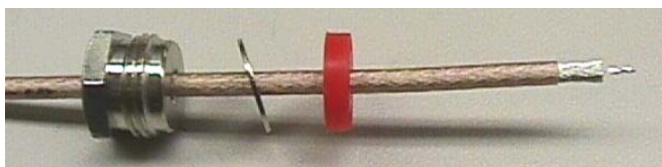


Figure #1

1. Cut cable to length and strip per dimensions:
  - outer jacket: 0.320" (8.128 mm)
  - inner conductor: 0.140" (3.556 mm)
2. Load the clamp nut, washer and V-Gasket on to the cable as shown in Figure #1.

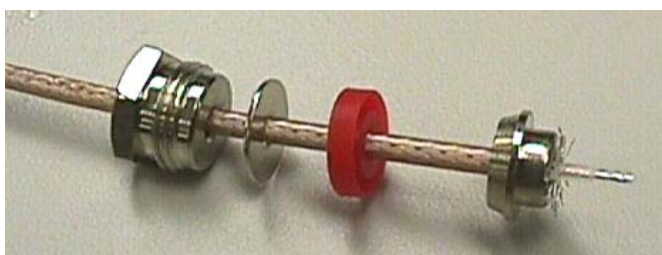


Figure #2

3. Install the braid clamp onto the cable and fold the braid back flat as shown in Figure #2. Make sure that all of the individual strands of braid are flat against the braid clamp.

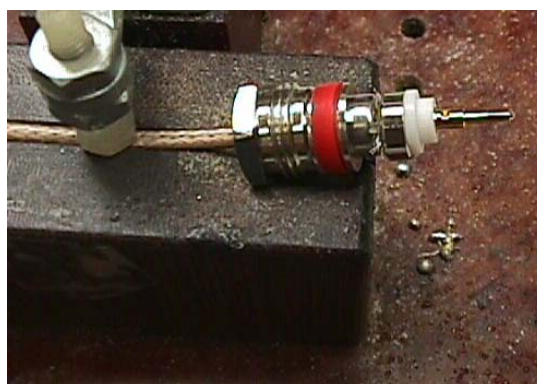


Figure #3

4. Install the metal spacer and rear insulator. Solder the center contact in place. Make sure the contact is completely seated against the rear insulator (see Figure #3).



Figure #4

5. Place the front insulator into the connector housing. The open end of the insulator should face the front of the connector housing (see Figure #4).

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## Model 5307 50 $\Omega$ Male BNC Connector and Assembly Instructions



Figure #5

6. Assemble the cable into the connector housing. Make sure that the center contact goes through the hole in the middle of the front insulator. Screw the clamp nut into the connector housing and torque at 18 to 22 in-lbs. (see Figure #5 for final assembly).