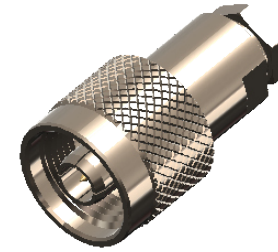


Revisions

| Issue | Date | Note |
|-------|------------|---------------------|
| 1 | 09//2/2023 | See note GTXPDC/662 |

DATASHEET



1. Mechanical

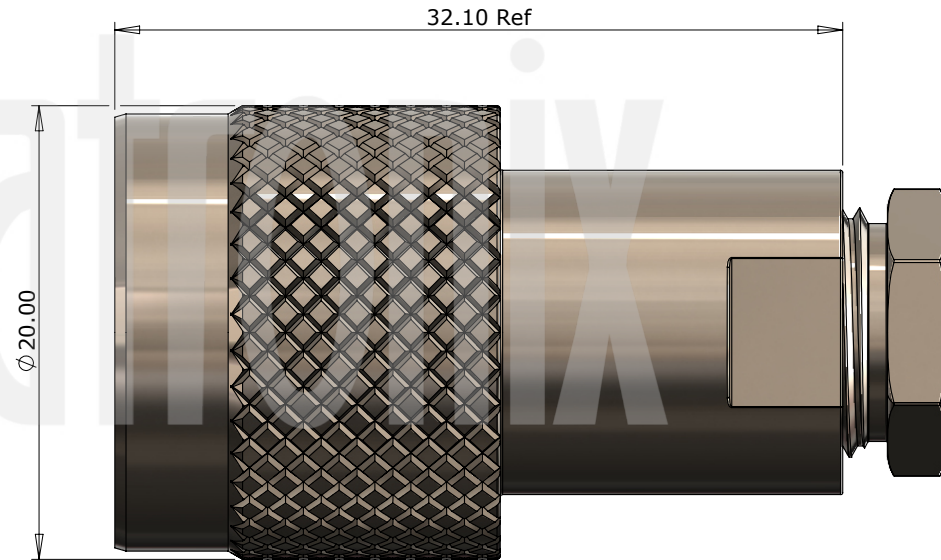
| | |
|-----------------|-----------------------------------|
| Cable Retention | Equal to breaking strain of cable |
| Durability | 500 mating cycles |
| Fixing Method | Clamp |

2. Environmental

| | |
|-------------------|-----------------------|
| RoHS Compliant | Yes |
| Temperature Range | -65 to +165 degrees C |

3. Electrical

| | |
|-------------------------|------------------------|
| Dielectric Withstanding | 2500 Volts RMS Maximum |
| Impedance | 50 ohms |
| Interface Frequency | 4 GHz |
| Working Voltage | 1500 Volts RMS Maximum |



| | | | |
|---|--------------------|-----------------|---------------|
| 9 | Washer | Brass | Nickel |
| 8 | Top Hat | Brass | Nickel |
| 7 | Back Nut | Brass | Nickel |
| 6 | Gasket | Rubber | Orange |
| 5 | Rear Insulator | PTFE | White |
| 4 | Front Insulator | PTFE | White |
| 3 | Coupling Nut | Brass | Nickel |
| 2 | Pin | Brass | Gold |
| 1 | Body | Brass | Nickel |
| | Description | Material | Finish |

Unless otherwise specified tolerances
 0.5-5 = ±0.2
 >5-30 = ±0.4
 >30-120 = ±0.6
 >120-315 = ±1.0
 >315-1000 = ±1.6
 Angles = ±5°
 Units = mm

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| | |
|---------------------|--------------|
| Author | PJP |
| Drawn by | PJP |
| Drawing date | 09/02/2023 |
| Checked by | DB |
| Checked date | 10/02/2023 |
| Scale | Not to scale |

Part Number NT15-0174-L06-2
Title: N Type Clamp Plug, Nickel Plated, Compression Fixing, RG174, LBC100, RG316

Revisions

| Issue | Date | Note |
|-------|------------|---------------------|
| 1 | 09//2/2023 | See note GTXPDC/662 |

DATASHEET

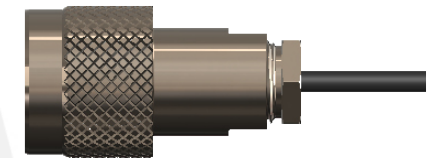
Assembly Instructions:

1) Slide the Backnut, Washer and Gasket onto the cable and strip the cable to the dimensions as shown, taking care not to nick the centre conductor or braid. Fold back the braid and slide the Top Hat onto the cable so that the tube of the Top Hat is between the cable dielectric and the braid (under the cable jacket). Trim off the surplus braid and tin the centre conductor.



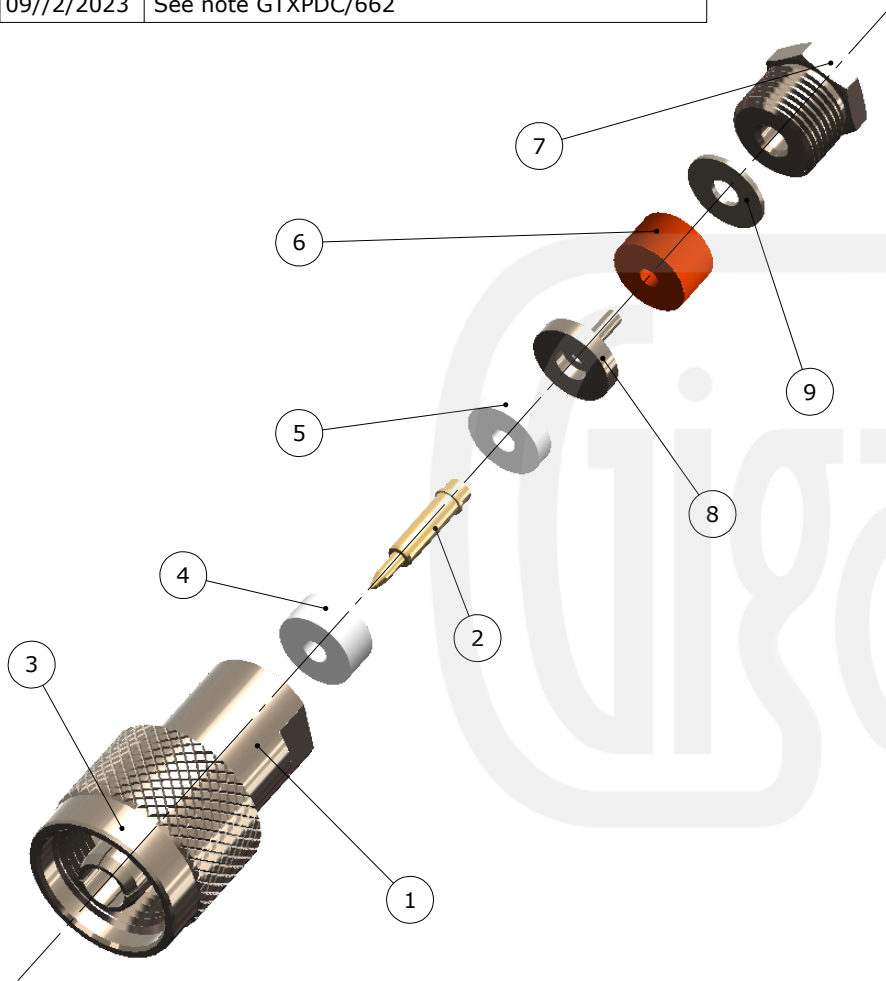
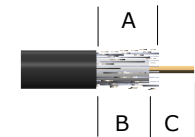
2) Slide the Rear Insulator over the cable dielectric to butt up against the Top Hat. Slide the Pin onto the centre conductor so that the flange of the Pin butts up against the Rear Insulator. Solder the Pin and then slide the Gasket and Back Nut up to the Top Hat, trapping the braid. Slide the Front Insulator onto the Pin until it butts up against the Rear Insulator.

3) Insert the cable into the body as far as possible and engage the threads of the Backnut. Then tighten the Backnut.



Strip Dimensions:

A=7.0mm, B=2.0mm, C=4.0mm



| | | | |
|---|--------------------|-----------------|---------------|
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Part Number NT15-0174-L06-2
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