		Revisions		
Issue	Date	Note		
1	07/03/2022	See GTXPDC/431		

## 1. Mechanical

Cable Retention Durability Fixing Method

## Equal to breaking strain of cable 500 mating cycles Clamp

### 2. Environmental

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

## 3. Electrical

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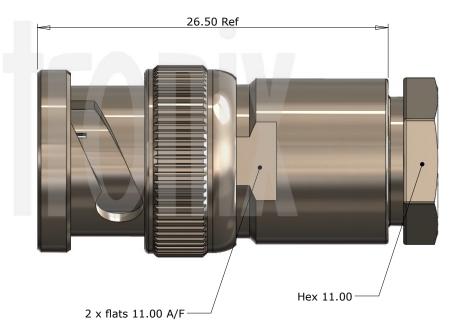
1

**Dielectric Withstanding** Impedance Interface Frequency Working Voltage

1500 Volts RMS Maximum 50 ohms 4 GHz

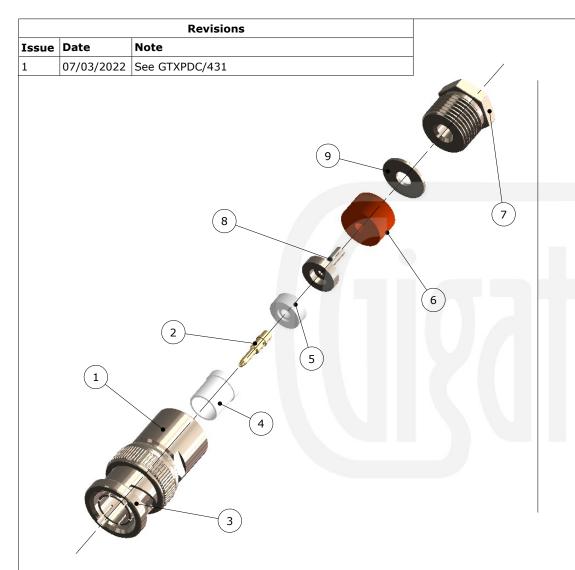
500 Volts RMS Maximum





9 Washer Brass Nickel Top hat Brass Nickel PJP Author Unless otherwise specified tolerances  $0.5-5 = \pm 0.2$   $>5-30 = \pm 0.4$ PJP Backnut Brass Nickel Drawn by Drawing date Gasket Rubber Red 07/03/2022 >30-120 = ±0.6 >120-315 = ±1.0 Rear Insulator PTFE White Checked by DB  $>315-1000 = \pm 1.6$ PTFE 07/03/2022 Front Insulator White Angles =  $\pm 5^{\circ}$ Units = mm Checked date Coupling Nut Brass Nickel Scale Not to scale 2 Pin BN15-0174-L06-2 Brass Gold Part Number This document is the confidential and may not be copied, reproduced or transmitted to any third party without written authorisation. Title: BNC Clamp Plug, Nickel Plated, Compression Fixing, RG174, LBC100, RG316 Body Brass Nickel Description Material Finish

## DATASHEET



# ASSEMBLY INSTRUCTIONS

## **Assembly Instructions:**

 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



9 Washer	Brass	Nickel				
3 Top hat	Brass	Nickel		Gigatronix	Author	РЈР
7 Backnut	Brass	Nickel	Unless otherwise specified tolerances $0.5-5 = \pm 0.2$		Drawn by	РЈР
5 Gasket	Rubber	Red	$0.5-5 = \pm 0.2$ $>5-30 = \pm 0.4$ $>30-120 = \pm 0.6$		Drawing date	07/03/2022
5 Rear Insulator	PTFE	White	$30-120 = \pm 0.6$ $>120-315 = \pm 1.0$ $>315-1000 = \pm 1.6$		Checked by	DB
4 Front Insulator	PTFE	White	$\begin{array}{c} \Rightarrow 315 - 1000 = \pm 1.6\\ \text{Angles} = \pm 5^{\circ}\\ \text{Units} = mm \end{array}$		Checked date	07/03/2022
3 Coupling Nut	Brass	Nickel			Scale	Not to scale
2 Pin	Brass	Gold	This document is the confidential	Part Number BN15-0174-L06-2		
1 Body	Brass	Nickel	property of Gigatronix Limited and may not be copied, reproduced or transmitted to any third party	Title: BNC Clamp Plug, Nickel Plated, Compression Fixing, RG174, LBC100, RG316		
Description	Material	Finish	without written authorisation.			