		Revisions				
Issue Date		Note				
1	11/04/2022	See note GTXPDC/475				

## 1. Mechanical

Fixing Method Durability Cable Retention

## 2. Environmental

RoHS Compliant Temperature Range

Yes -65 to +165 degrees C

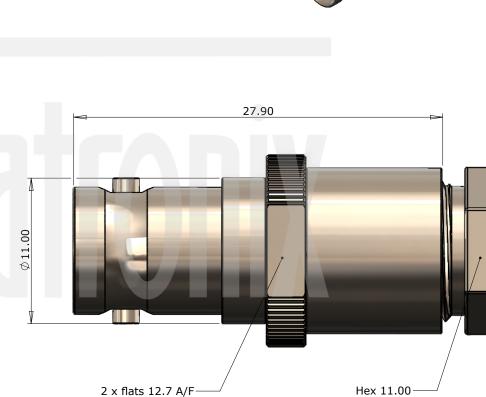
500 mating cycles

Clamp

### 3. Electrical

Dielectric Withstanding Impedance Interface Frequency Working Voltage 1500 Volts RMS Maximum 50 ohms 4 GHz 500 Volts RMS Maximum

Equal to breaking strain of cable



3 Insulator	PTFE	White			Author	РЈР	
7 Back Nut	Brass	Nickel	Unless otherwise specified tolerances	(Gigat	• • •	Drawn by	РЈР
5 Washer	Brass	Nickel	$0.5-5 = \pm 0.2 \\ >5-30 = \pm 0.4 \\ + 0.6$		עות∧ <b>זל</b> נאו	Drawing date	11/04/2022
5 Gasket	Rubber	Red	>30-120 = ±0.6 >120-315 = ±1.0		XIIIUIIDXI	Checked by	DB
1 Top Hat	Brass	Nickel	>315-1000 = ±1.6 Angles = ±5°			Checked date	13/04/2022
3 Dielectric	PTFE	White	Units = mm			Scale	Not to scale
2 Contact	Brass	Gold	This document is the confidential	Part Number	BN10-0174-L06-2		
Body	Brass	Nickel	property of Gigatronix Limited and may not be copied, reproduced or transmitted to any third party	Title: BNC Clar	np Jack, Nickel Plated, Compre	ssion Fixing, RG174, l	_BC100, RG316
Description	Material	Finish	without written authorisation.				

## DATASHEET



## ASSEMBLY INSTRUCTIONS

# Revisions Issue Date Note 11/04/2022 See note GTXPDC/475 1 6 4 5 1 3

## 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.



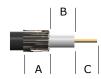
2) Slide the Insulator over the cable dielectric to butt up against the Top Hat. Slide the Contact onto the centre conductor so that the flange of the Contact butts up against the Insulator.

Solder the Contact and then slide the Gasket and Back Nut up to the Top Hat, trapping the braid. Slide the Front Insulator onto the Contact until it butts up against the 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



	Description	Material	Finish	without written authorisation.				
1	Body	Brass	Nickel	property of Gigatronix Limited and may not be copied, reproduced or transmitted to any third party	Title: BNC Clamp Jack, Nickel Plated, Compr	Plated, Compression Fixing, RG174, LBC100, RG316		
2	Contact	Brass	Gold	This document is the confidential	Part Number BN10-0174-L06-2			
3	Dielectric	PTFE	White	Units – Inin		Scale	Not to scale	
4	Top Hat	Brass	Nickel	Angles = ±5° Units = mm		Checked date	13/04/2022	
5	Gasket	Rubber	Red	>30-120 = ±0.6 >120-315 = ±1.0 >315-1000 = ±1.6		Checked by	DB	
6	Washer	Brass	Nickel	$>5-30 = \pm 0.4$		Drawing date	11/04/2022	
7	Back Nut	Brass	Nickel	Unless otherwise specified tolerances $0.5-5 = \pm 0.2$		Drawn by	РЈР	
8	Insulator	PTFE	White			Author	РЈР	