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

DATASHEET

1. Mechanical

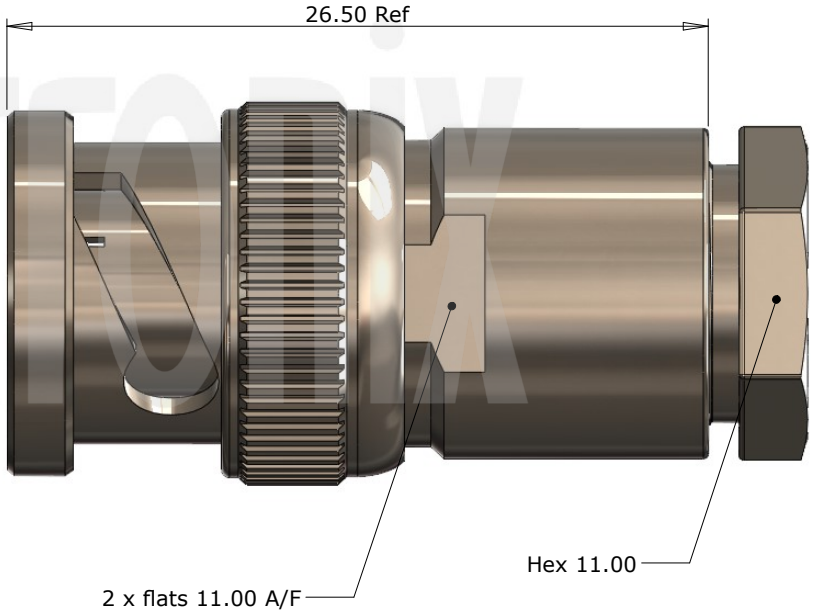
Cable Retention	Equal to breaking strain of cable
Durability	500 mating cycles
Fixing Method	Clamp

2. Environmental

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

3. Electrical

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



9	Washer	Brass	Nickel
8	Top hat	Brass	Nickel
7	Backnut	Brass	Nickel
6	Gasket	Rubber	Red
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

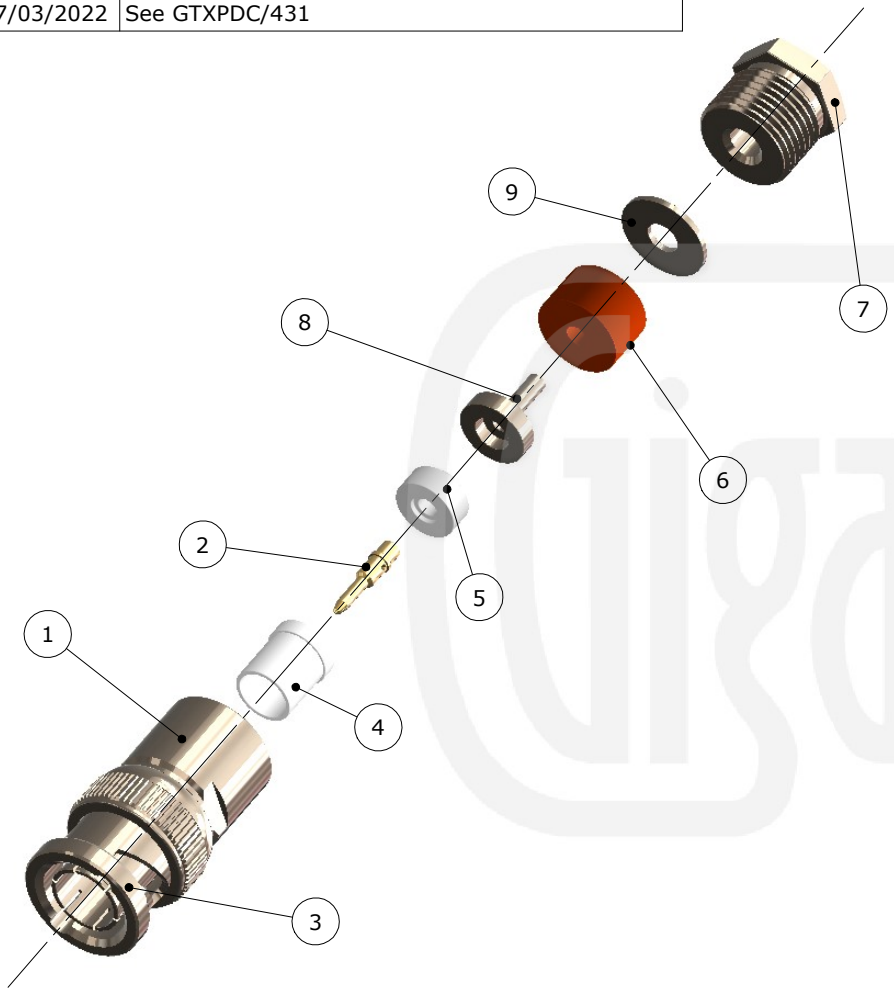
Author	PJP
Drawn by	PJP
Drawing date	07/03/2022
Checked by	DB
Checked date	07/03/2022
Scale	Not to scale

Part Number BN15-0174-L06-2

Title: BNC Clamp Plug, Nickel Plated, Compression Fixing, RG174, LBC100, RG316

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

ASSEMBLY INSTRUCTIONS

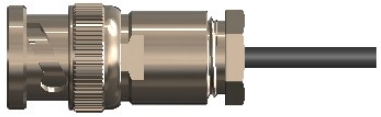


Assembly Instructions:

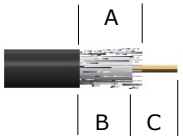
1) Slide the Backnut, Washer and Gasket onto the cable and strip the cable to the dimensions as shown, taking care not to nick the centre conductor or braid.
Fold back the braid and slide the Top Hat onto the cable so that the tube of the Top Hat is between the cable dielectric and the braid (under the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