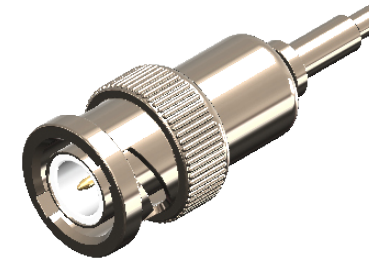


**Revisions**

Issue	Date	Note
1	01/07/2022	See GTXPDC/530

**DATASHEET**



**1. Mechanical**

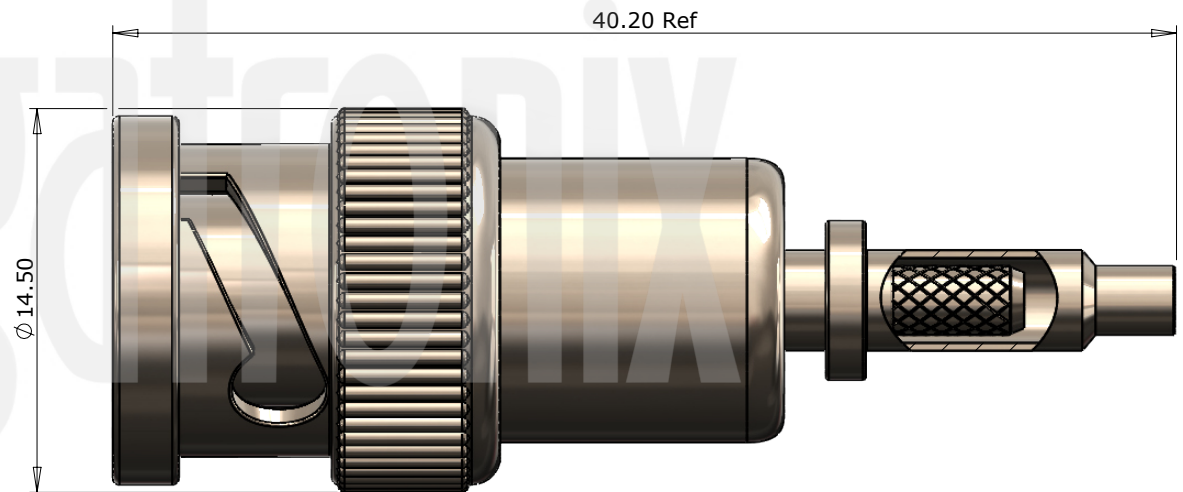
Cable Retention	Equal to breaking strain of cable
Durability	500 mating cycles
Fixing Method	Crimp

**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



8	Tube	Brass	Nickel
7	Insulator	PTFE	White
6	Ferrule	Brass	Nickel
5	Dielectric	PTFE	White
4	Pin	Brass	Gold
3	Integral Pin	Phosphor Bronze	Gold
2	Coupling Nut	Brass	Nickel
1	Body	Brass	Nickel
	<b>Description</b>	<b>Material</b>	<b>Finish</b>

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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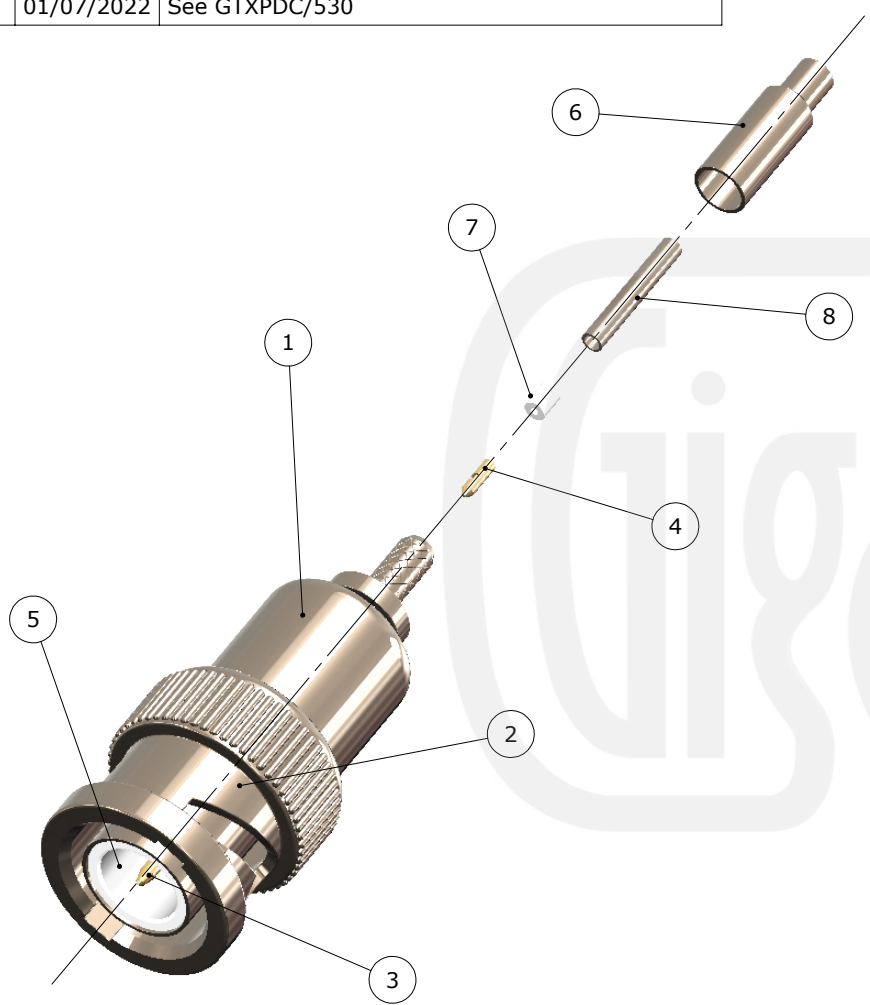


<b>Author</b>	PJP
<b>Drawn by</b>	PJP
<b>Drawing date</b>	01/07/2022
<b>Checked by</b>	DB
<b>Checked date</b>	01/07/2022
<b>Scale</b>	Not to scale

**Part Number** BN15-0178-C06WP

**Title:** BNC Waterproof Crimp Plug, IP68, Nickel Plated, RG178

Revisions		
Issue	Date	Note
1	01/07/2022	See GTXPDC/530



### Assembly Instructions:

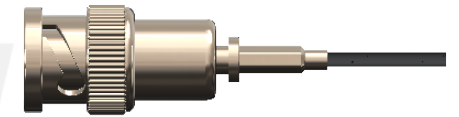
## ASSEMBLY INSTRUCTIONS

1) Slide the ferrule onto the cable and strip the cable to the dimensions as shown, taking care not to nick the centre conductor or braid

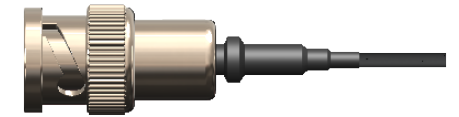


2) Slide the tube over the cable dielectric & under the braid, then slide the insulator over the cable dielectric. Solder the small pin onto the centre core and then push into the body, ensuring that the cable braid is on the outside of the connector mandril and that the centre pin is fully located within the integral pin

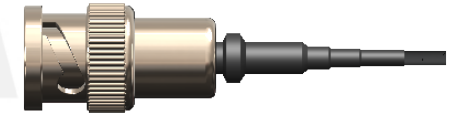
3) Slide the ferrule forward and crimp



4) Apply adhesive lined heatshrink x 20mm up and over the mandril



5) Apply adhesive lined heatshrink x 25mm over the top of the first heatshrink



### Strip Dimensions:

A=11.0mm, B=1.0mm, C=3.0mm



Crimp Die Sizes:  
3.25mm Hex, Solder centre core

8	Tube	Brass	Nickel
7	Insulator	PTFE	White
6	Ferrule	Brass	Nickel
5	Dielectric	PTFE	White
4	Pin	Brass	Gold
3	Integral Pin	Phosphor Bronze	Gold
2	Coupling Nut	Brass	Nickel
1	Body	Brass	Nickel
	<b>Description</b>	<b>Material</b>	<b>Finish</b>

Unless otherwise specified tolerances  
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 >315-1000 =  $\pm 1.6$   
 Angles =  $\pm 5^\circ$   
 Units = mm

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**Part Number** BN15-0178-C06WP

**Title:** BNC Waterproof Crimp Plug, IP68, Nickel Plated, RG178