

**Revisions**

Issue	Date	Note
1	21/12/2021	See GTXPC/378

**DATASHEET**



**1. Mechanical**

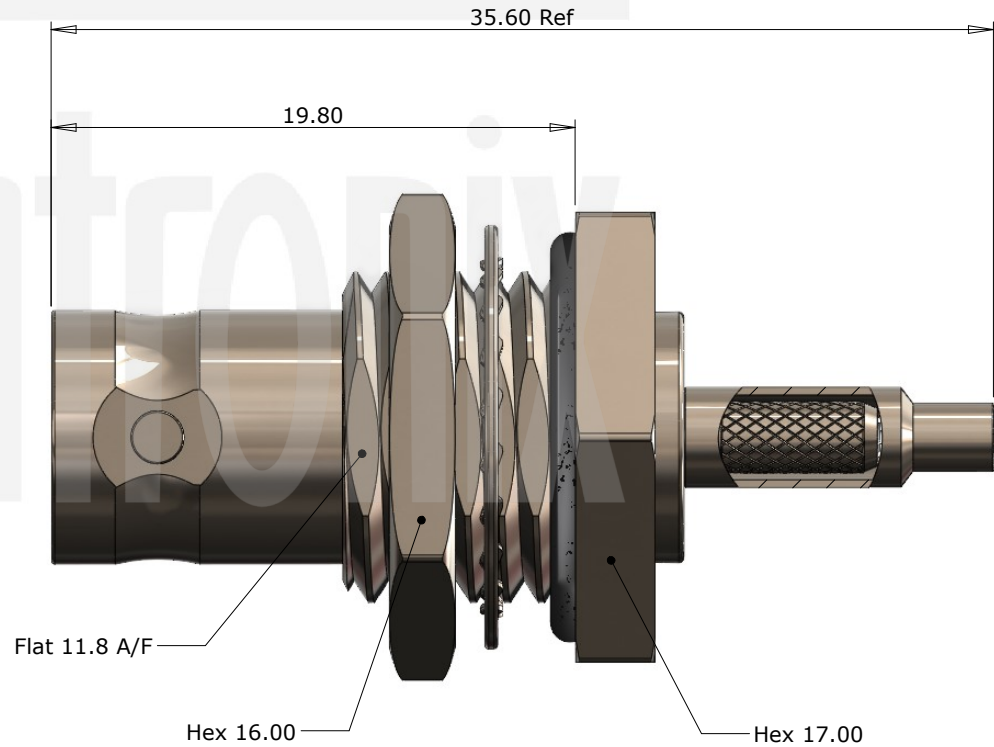
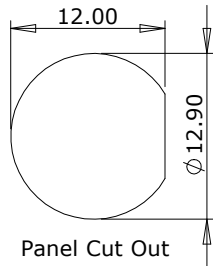
Cable Retention	Equal to breaking strain of cable
Durability	500 mating cycles
Lock Nut Torque	4.0 - 4.5Nm (35-40 in-lbs)

**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



10	Tube	Brass	Nickel
9	Insulator	PTFE	White
8	Locknut	Brass	Nickel
7	Washer	Phosphor Bronze	Nickel
6	O Ring	Silicone	Black
5	Ferrule	Brass	Nickel
4	Dielectric	PTFE	White
3	Contact	Phosphor Bronze	Gold
2	Pin	Brass	Gold
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

This document is the confidential property of Gigatronix Limited and may not be copied, reproduced or transmitted to any third party without written authorisation.



<b>Author</b>	PJP
<b>Drawn by</b>	PJP
<b>Drawing date</b>	21/12/2021
<b>Checked by</b>	DB
<b>Checked date</b>	10/01/2022
<b>Scale</b>	Not to scale

**Part Number** BN02-0178-C06WP

**Title:** BNC Waterproof Crimp Bulkhead Jack, IP68, Nickel Plated, RG178

Revisions

Issue	Date	Note
1	21/12/2021	See GTXPCD/378

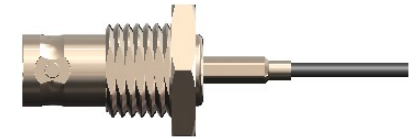
ASSEMBLY INSTRUCTIONS

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.

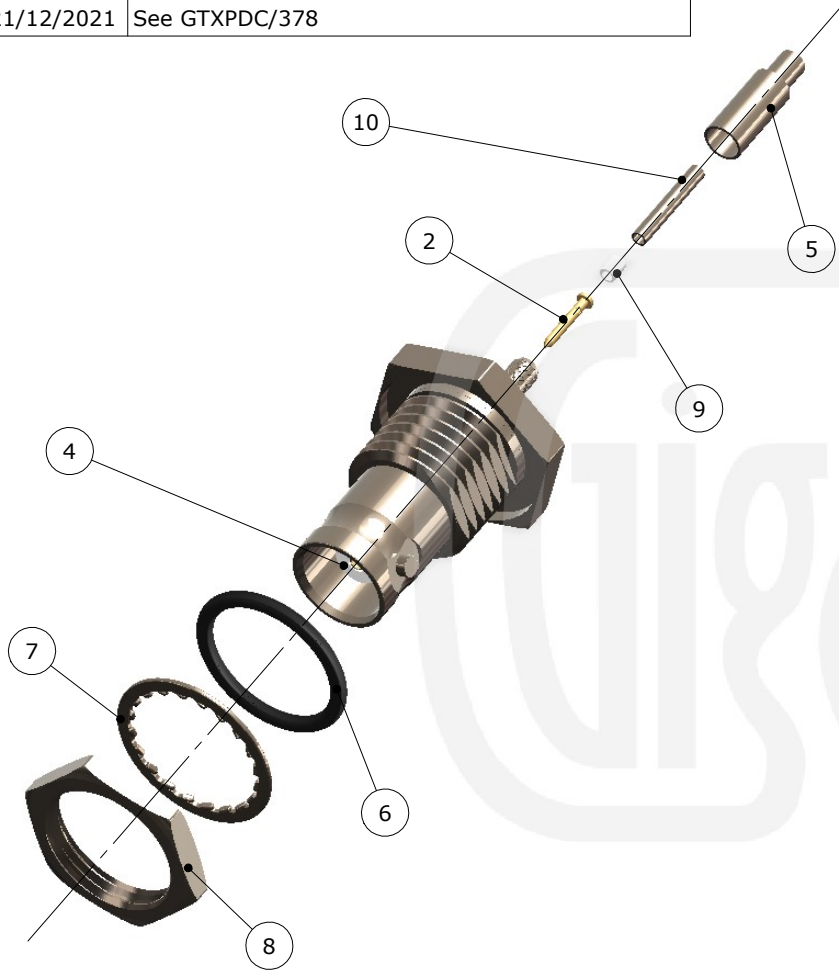


2) Slide the tube over the cable dielectric & under the braid, then slide the insulator over the cable dielectric. Solder the pin onto the centre core and then slide into the body until fully located, ensuring that the cable braid is on the outside of the connector mandril.



3) Slide the ferrule forward and crimp.

**Crimp Hex. Sizes:**  
3.25mm Hex, Solder centre core  
**Strip Dimensions:**  
A=8.0mm, B=4.5mm, C=2.5mm



10	Tube	Brass	Nickel
9	Insulator	PTFE	White
8	Locknut	Brass	Nickel
7	Washer	Phosphor Bronze	Nickel
6	O Ring	Silicone	Black
5	Ferrule	Brass	Nickel
4	Dielectric	PTFE	White
3	Contact	Phosphor Bronze	Gold
2	Pin	Brass	Gold
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

This document is the confidential property of Gigatronix Limited and may not be copied, reproduced or transmitted to any third party without written authorisation.



<b>Author</b>	PJP
<b>Drawn by</b>	PJP
<b>Drawing date</b>	21/12/2021
<b>Checked by</b>	DB
<b>Checked date</b>	10/01/2022
<b>Scale</b>	Not to scale

**Part Number** BN02-0178-C06WP

**Title:** BNC Waterproof Crimp Bulkhead Jack, IP68, Nickel Plated, RG178