

Revisions		
Issue	Date	Note
1	14/11/2025	See GTXPDC/1160

1. Mechanical

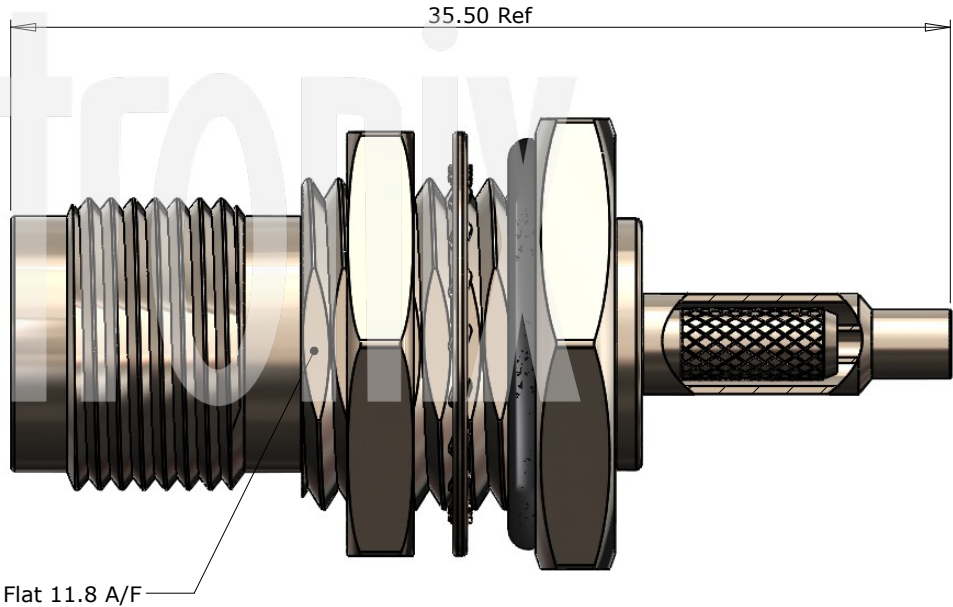
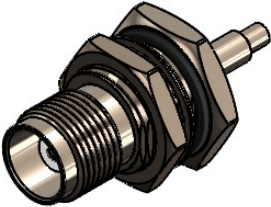
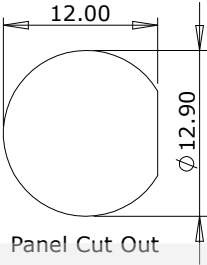
Cable Retention	Equal to breaking strain of cable
Durability	500 mating cycles
Lock Nut Torque	4.0 - 4.5Nm (35-40 in-lbs)
Contact Termination	Solder
Fixing Method	Crimp
Maximum Panel Thickness	6.00mm

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	11 GHz
Working Voltage	500 Volts RMS Maximum



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

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Author	PJP
Drawn by	PJP
Drawing date	14/11/2025
Checked by	DB
Checked date	14/11/2025
Scale	Not to scale

Part Number	TN02-0178-C06WP
Title: TNC Waterproof Crimp Bulkhead Jack, IP68, RG178	

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# 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 Die Sizes:**  
3.25mm Hex, Solder centre core  
**Strip Dimensions:**  
A=11.0mm, B=1.0mm, C=3.0mm



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