

Revisions		
Issue	Date	Note
4	28/05/2025	See GTXPDC/1099

1. Mechanical

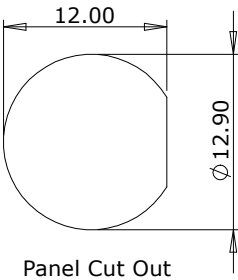
Cable Retention	136N
Fixing Method	Solder
Durability	500 mating cycles
Contact Retention	27N

2. Environmental

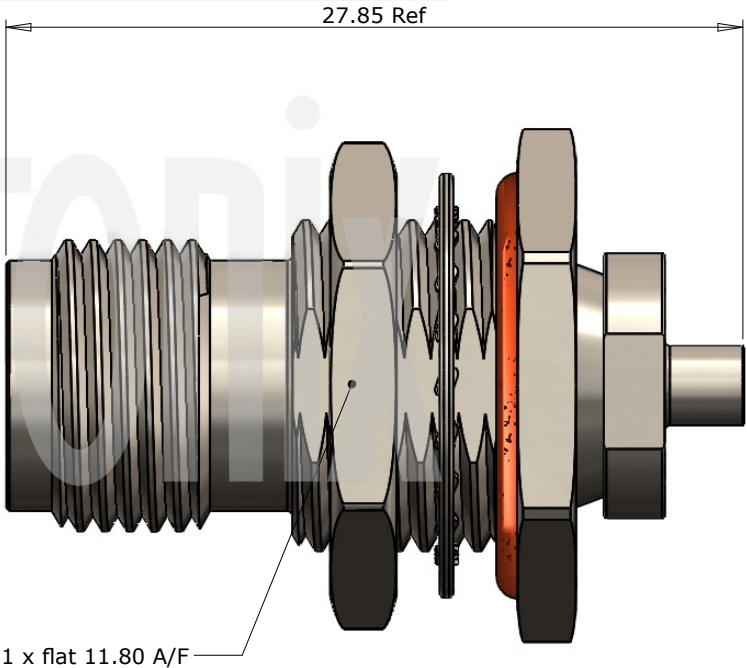
RoHS Compliant	Yes
Temperature Range	-65 to +165 degrees C


3. Electrical

Dielectric Withstanding	1500 Volts RMS Maximum
Impedance	50 ohms
Interface Frequency	11 GHz
Working Voltage	500 Volts RMS Maximum

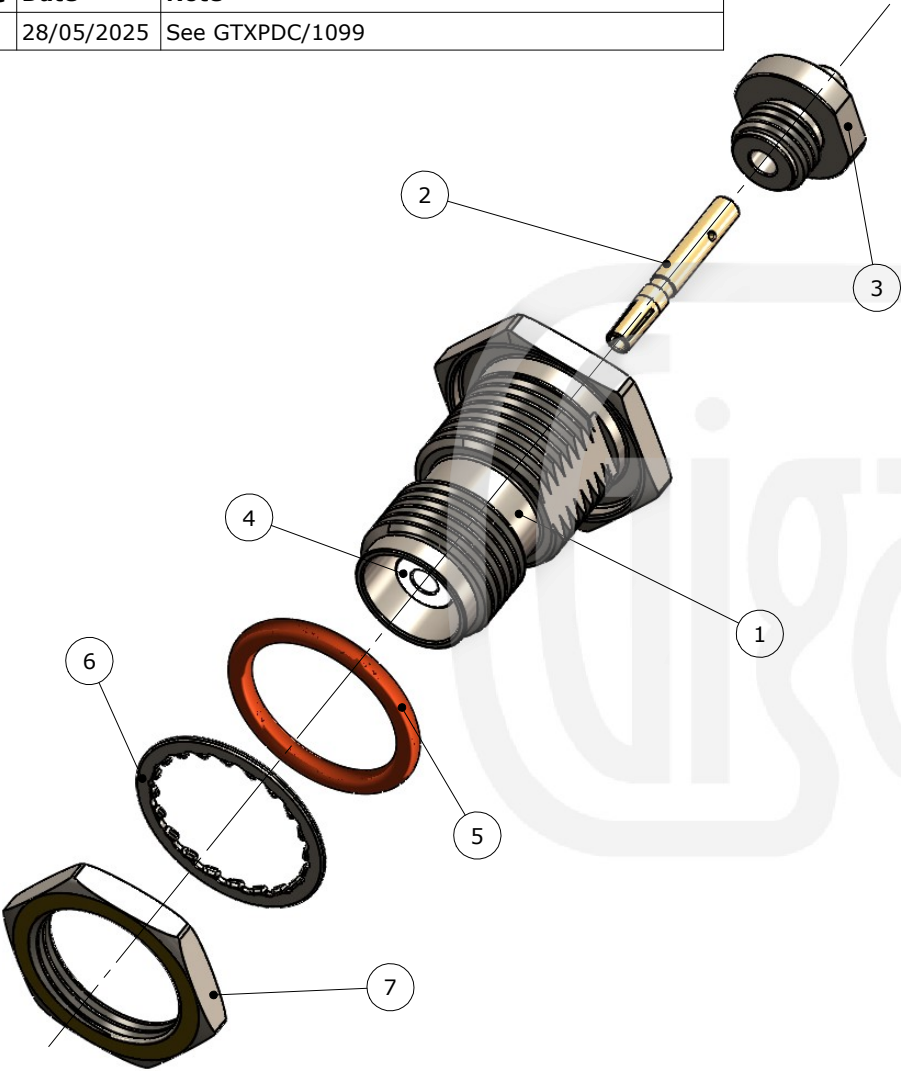


DATASHEET



				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	
7	Lock Nut	Brass	Tri-Alloy			Drawn by PJP	
6	Washer	Phosphor Bronze	Tri-Alloy			Drawing date 01/07/2019	
5	O Ring	Silicone	Red			Checked by DB	
4	Dielectric	PTFE	White			Checked date 02/07/2019	
3	Back Nut	Brass	Tri-Alloy			Scale Not to scale	
2	Contact	Phosphor Bronze	Gold	This document is the confidential property of Gigatronix Limited and may not be copied, reproduced or transmitted to any third party without written authorisation.	Part Number TN02-0405-R49		
1	Body	Brass	Tri-Alloy		Title: TNC Solder Bulkhead Jack, Tri-Alloy Plated, PTFE Dielectric, RG405, .085 semi-rigid		
	Description	Material	Finish				

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Assembly Instructions:

- 1) Strip the cable to the dimensions as shown, taking care not to nick the centre conductor
- 2) Slide the back nut over the cable and solder the contact onto the cable
- 3) Solder the back nut to the cable as shown
- 4) Screw the back nut, contact and cable into the body of the connector and tighten

Strip Dimensions:

Semi Rigid Cable (using a 0.5mm spacer) - A=0.0mm, B=5.5mm
Conformable Cable (using a 0.5mm spacer) - A=0.0mm, B=5.5mm

Conformable FEP Cable (using a 0.5mm spacer) - A=11.5mm, B=0.0mm, C=5.5mm

7	Lock Nut	Brass	Tri-Alloy
6	Washer	Phosphor Bronze	Tri-Alloy
5	O Ring	Silicone	Red
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3	Back Nut	Brass	Tri-Alloy
2	Contact	Phosphor Bronze	Gold
1	Body	Brass	Tri-Alloy
Description		Material	Finish

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>5-30 = ±0.4
>30-120 = ±0.6
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Angles = ±5°
Units = mm

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		Author	PJP
		Drawn by	PJP
		Drawing date	01/07/2019
		Checked by	DB
		Checked date	02/07/2019
		Scale	Not to scale
Part Number		TN02-0405-R49	
Title:		TNC Solder Bulkhead Jack, Tri-Alloy Plated, PTFE Dielectric, RG405, .085 semi-rigid	