

Revisions

Issue	Date	Note
3	17/09/2025	See GTXPDC/1130

DATASHEET
1. Mechanical

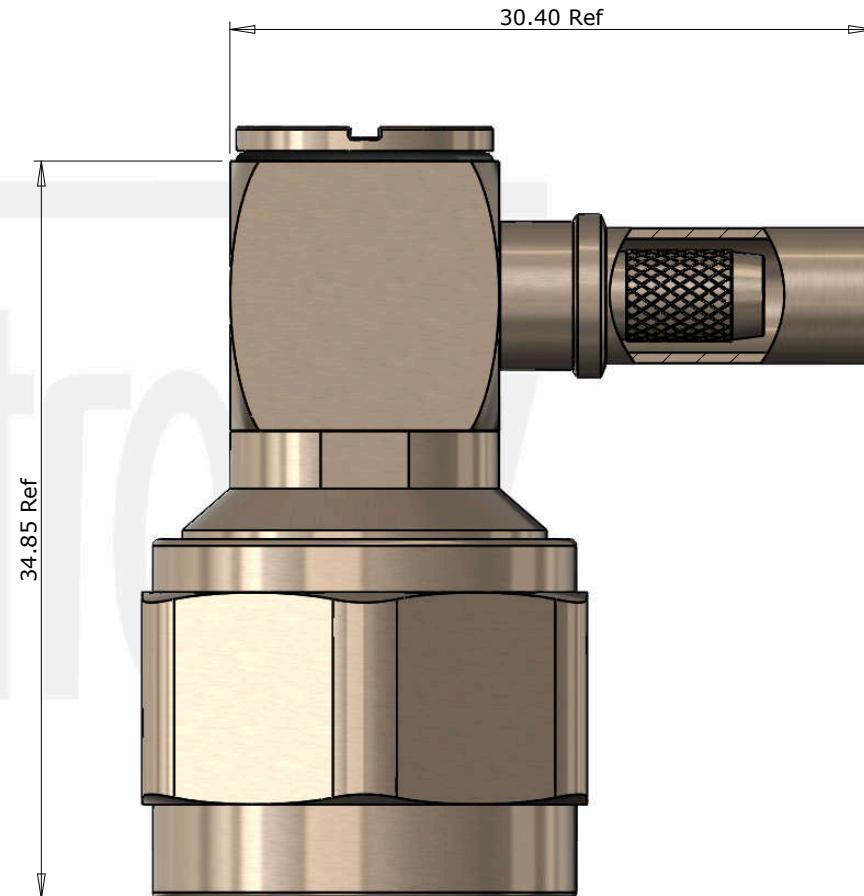
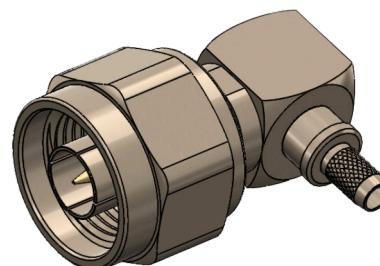
Cable Retention	Equal to breaking strain of cable
Durability	500 mating cycles
Fixing Method	Crimp
Contact Termination	Solder

2. Environmental

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

3. Electrical

Dielectric Withstanding	2500 Volts RMS Maximum
Impedance	50 ohms
Interface Frequency	11 GHz
Working Voltage	1500 Volts RMS Maximum



Description	Material	Finish
End Cap	Brass	CTZ Tri-Alloy
Ferrule	Brass	CTZ Tri-Alloy
Dielectric	PTFE	White
Pin	Brass	Gold
Coupling Nut	Brass	CTZ Tri-Alloy
Body	Brass	CTZ Tri-Alloy
Description	Material	Finish

Unless otherwise specified tolerances
 $0.5-5 = \pm 0.2$
 $>5-30 = \pm 0.4$
 $>30-120 = \pm 0.6$
 $>120-315 = \pm 1.0$
 $>315-1000 = \pm 1.6$
 Angles = $\pm 5^\circ$
 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.

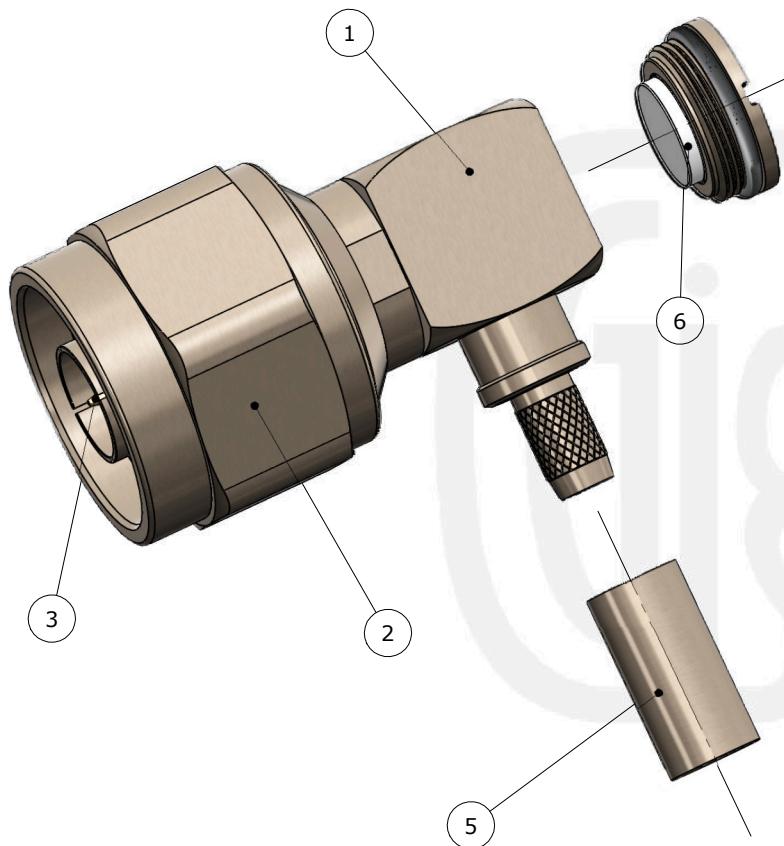
Part Number NT17-0058-C49WP

Title: N Type Waterproof Crimp Right Angle Plug, IP68, Tri-Alloy Plated, Hex Coupling Nut, RG58, LBC195

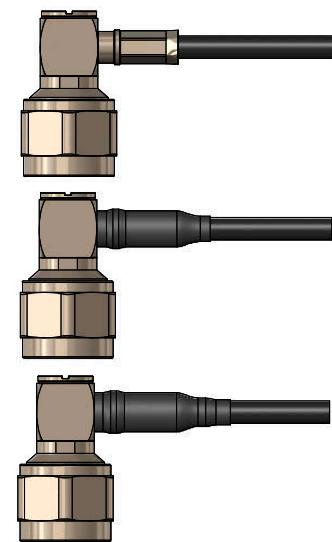
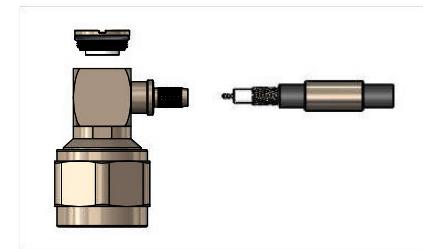
Author	PJP
Drawn by	PJP
Drawing date	20/08/2014
Checked by	DB
Checked date	27/11/2015
Scale	Not to scale

Revisions

Issue	Date	Note
3	17/09/2025	See GTXPDC/1130


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) Insert the cable into the body, ensuring that the cable braid is on the outside of the connector mandrel and that the centre core locates in the internal mounting post
- 3) Slide the ferrule forward and crimp. Solder the centre core of the cable to the mounting post and screw in the end cap
- 4) Apply adhesive lined heatshrink x 25mm up and over the mandrel
- 5) Apply adhesive lined heatshrink x 30mm over the top of the first heatshrink


Strip Dimensions:

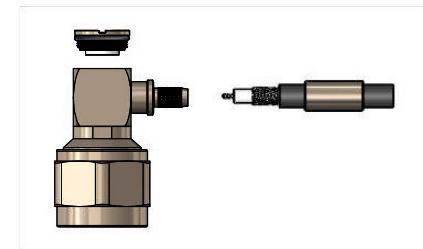
A=7.5mm, B=10.7mm, C=3.3mm



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
6 End Cap	Brass	CTZ Tri-Alloy	
5 Ferrule	Brass	CTZ Tri-Alloy	
4 Dielectric	PTFE	White	
3 Pin	Brass	Gold	
2 Coupling Nut	Brass	CTZ Tri-Alloy	
1 Body	Brass	CTZ Tri-Alloy	
		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 NT17-0058-C49WP

Title: N Type Waterproof Crimp Right Angle Plug, IP68, Tri-Alloy Plated, Hex Coupling Nut, RG58, LBC195

ASSEMBLY INSTRUCTIONS

Crimp Die Sizes:

5.41mm Hex., Solder centre core

Author	PJP
Drawn by	PJP
Drawing date	20/08/2014
Checked by	DB
Checked date	27/11/2015
Scale	Not to scale