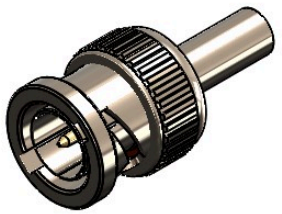
Revisions		
Issue	**Date**	**Note**
4	05/03/2025	See GTXPDC/1053

DATASHEET



1. Mechanical

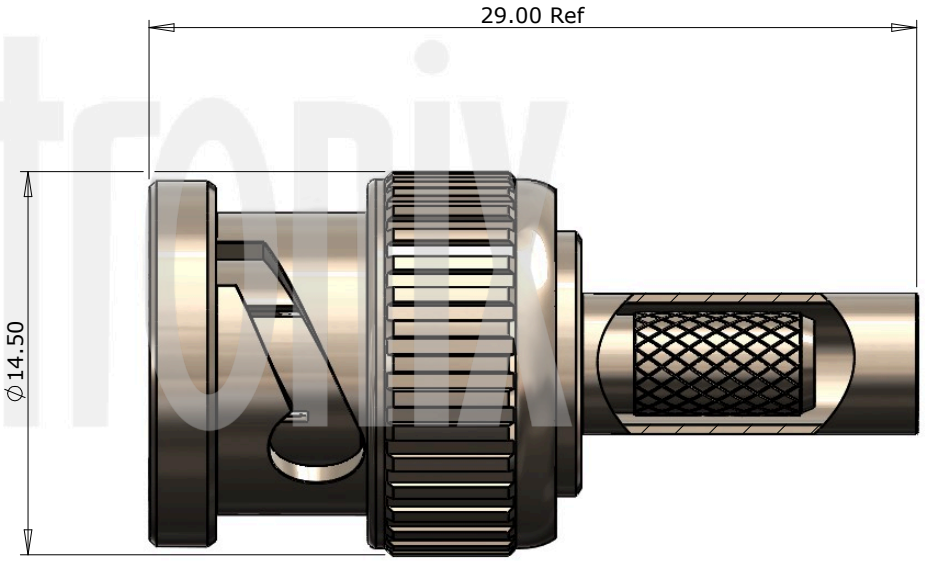
Cable Retention	Equal to breaking strain of cable
Fixing Method	Crimp
Durability	500 mating cycles
Contact Termination	Crimp

2. Environmental

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

3. Electrical

Dielectric Withstanding	1500 Volts RMS Maximum	
Impedance	75 ohms	
Interface Frequency	12 GHz	
Working Voltage	500 Volts RMS Maximum	
Return Loss	3GHz	-27.3dB
	6GHz	-21.8dB
	9GHz	-19.9dB
	12GHz	-16.2dB



5	Ferrule	Brass	Nickel
4	Dielectric	PTFE	White
3	Pin	Brass	Gold
2	Coupling Nut	Zinc Alloy	Nickel
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

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

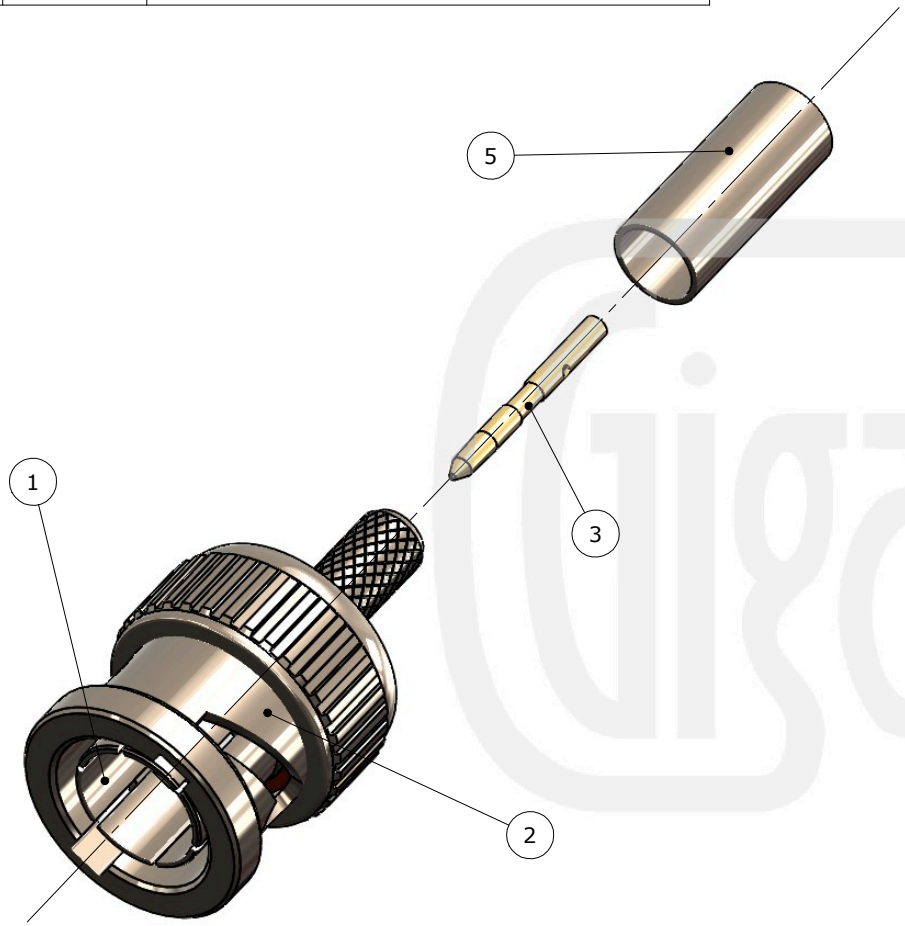
Author	PJP
Drawn by	PJP
Drawing date	22/03/2018
Checked by	DB
Checked date	03/04/2018
Scale	Not to scale

Part Number BN15-4855-C06D-Z

Title: BNC 12G SDI Crimp Plug, Gigatronix UHD75-M59 / M59XF, Belden 4855R

Revisions		
Issue	**Date**	**Note**
4	05/03/2025	See GTXPDC/1053

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) Crimp the pin onto the centre core and slide the pin into the body until it captivates, ensuring that the cable braid is on the outside of the connector mandril

3) Slide the ferrule forward and crimp

Crimp Die Sizes:
4.52mm Hex., 1.07mm sq. or Hex.

Strip Dimensions:
A=8.0mm, B=4.0mm, C=4.0mm

5	Ferrule	Brass	Nickel
4	Dielectric	PTFE	White
3	Pin	Brass	Gold
2	Coupling Nut	Zinc Alloy	Nickel
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

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

Author	PJP
Drawn by	PJP
Drawing date	22/03/2018
Checked by	DB
Checked date	03/04/2018
Scale	Not to scale

Part Number BN15-4855-C06D-Z

Title: BNC 12G SDI Crimp Plug, Gigatronix UHD75-M59 / M59XF, Belden 4855R