

Revisions		
Issue	Date	Note
1	14/11/2024	See GTXPDC/1020



1. Mechanical

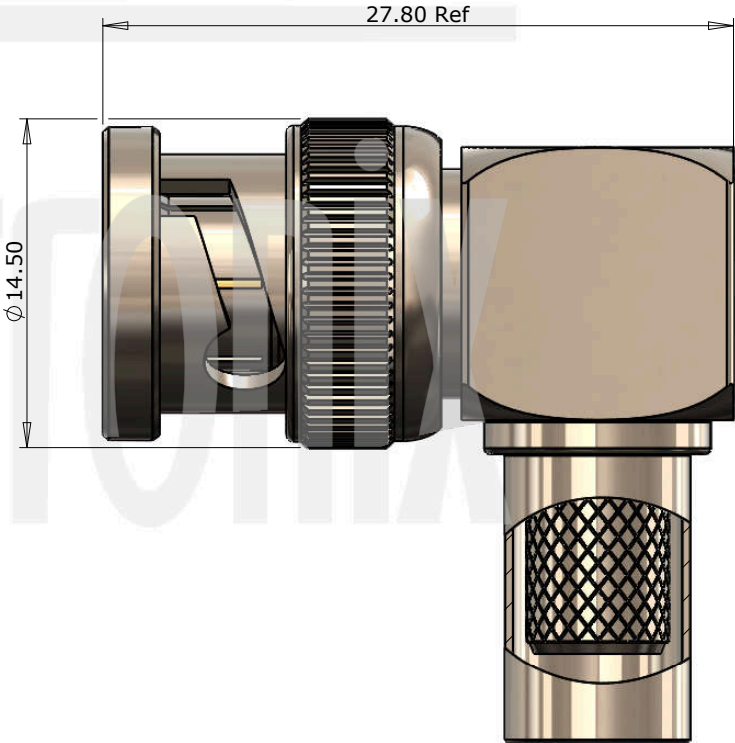
Cable Retention	Equal to breaking strain of cable
Durability	500 mating cycles
Fixing Method	Crimp
Contact Termination	Solder


2. Environmental

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

3. Electrical

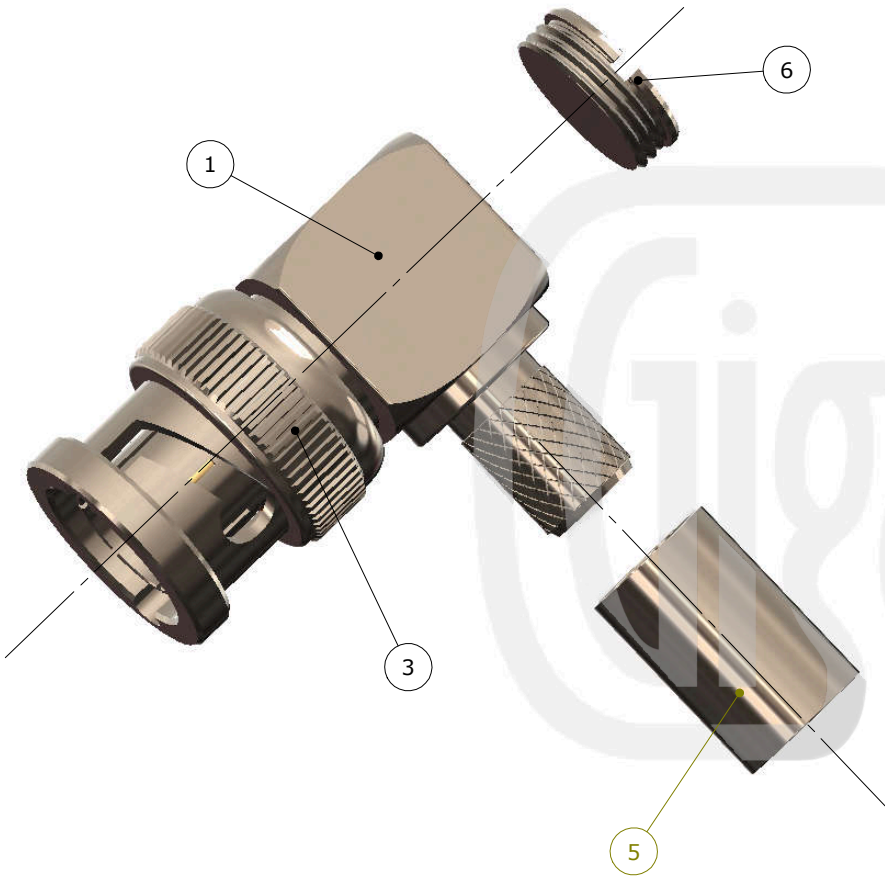
Dielectric Withstanding	1500 Volts RMS Maximum
Impedance	75 ohms
Interface Frequency	12 GHz
Working Voltage	500 Volts RMS Maximum



				<div>Unless otherwise specified tolerances 0.5-5 = ±0.2 &gt;5-30 = ±0.4 &gt;30-120 = ±0.6 &gt;120-315 = ±1.0 &gt;315-1000 = ±1.6 Angles = ±5° Units = mm</div>	<div></div>	<b>Author</b> PJP	
						<b>Drawn by</b> PJP	
6	End Cap	Brass	Nickel			<b>Drawing date</b> 14/11/2024	
5	Ferrule	Brass	Nickel			<b>Checked by</b> DB	
4	Dielectric	PTFE	White			<b>Checked date</b> 20/11/2024	
3	Coupling Nut	Brass	Nickel			<b>Scale</b> Not to scale	
2	Pin	Brass	Gold	<div>This document is the confidential property of Gigatronix Limited and may not be copied, reproduced or transmitted to any third party without written authorisation.</div>	<b>Part Number</b> BN17-1694-C06-Z		
1	Body	Brass	Nickel		<b>Title:</b> BNC 12G SDI Crimp Right Angle Plug, Nickel Plated, Gigatronix UHD75-6 / 6XF, Belden 4694R		
	<b>Description</b>	<b>Material</b>	<b>Finish</b>				

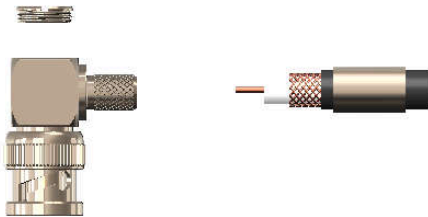
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# ASSEMBLY INSTRUCTIONS



## 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) Insert the cable into the body, ensuring that the cable braid is on the outside of the connector mandril 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 fit the end cap




## Crimp Die Sizes:

7.06mm Hex., Solder centre core

## Strip Dimensions:

A=9.0mm, B=7.0mm, C=2.5mm



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