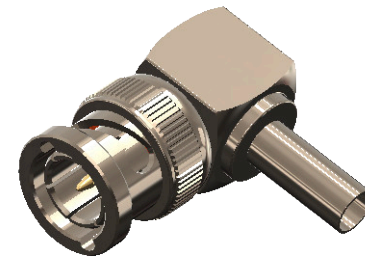


Revisions

| Issue | Date | Note |
|-------|-----------|----------------|
| 1 | 3/07/2024 | See GTXPDC/962 |

DATASHEET



1. Mechanical

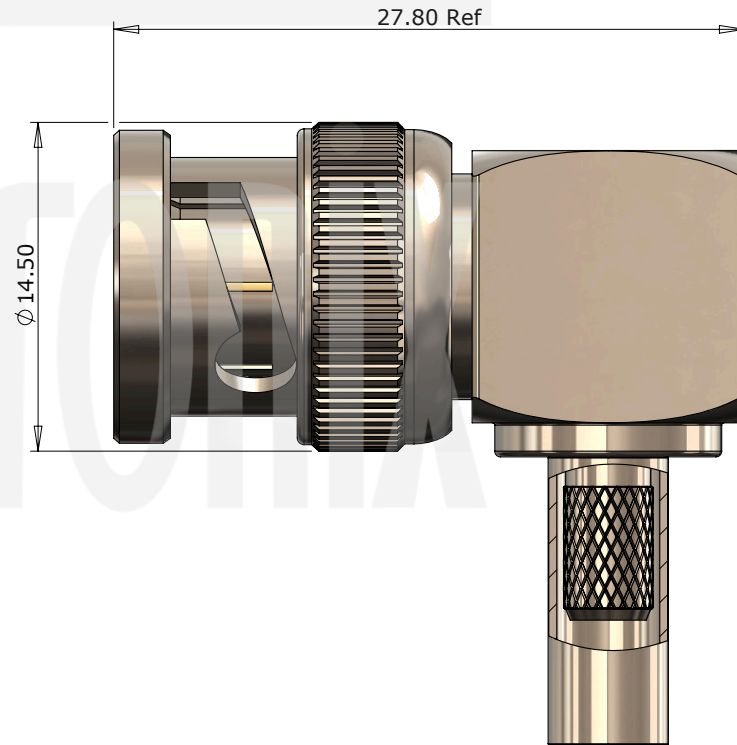
| | |
|---------------------|-----------------------------------|
| Cable Retention | Equal to breaking strain of cable |
| Durability | 500 mating cycles |
| Fixing Method | Crimp |
| Contact Termination | Solder |

2. Environmental

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

3. Electrical

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



| Description | Material | Finish |
|----------------|----------|--------|
| 6 End Cap | Brass | Nickel |
| 5 Ferrule | Brass | Nickel |
| 4 Dielectric | PTFE | White |
| 3 Coupling Nut | Brass | Nickel |
| 2 Pin | Brass | Gold |
| 1 Body | Brass | Nickel |

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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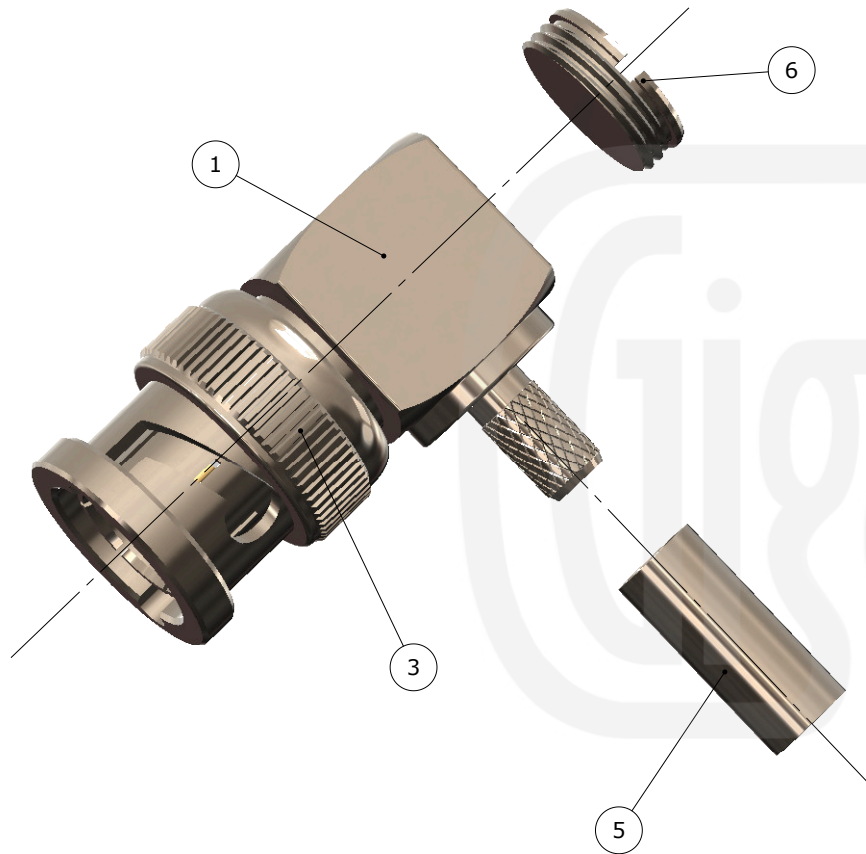
| | |
|---------------------|--------------|
| Author | PJP |
| Drawn by | PJP |
| Drawing date | 3/07/2024 |
| Checked by | DB |
| Checked date | 4/07/2024 |
| Scale | Not to scale |

Part Number BN17-4855-C06-Z
Title: BNC 12G SDI Crimp Right Angle Plug, Nickel Plated, Belden 4855R, 4855P

Revisions

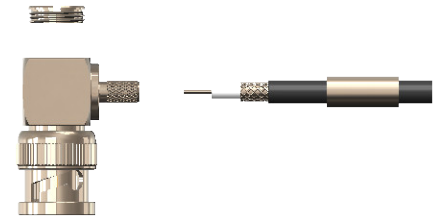
| Issue | Date | Note |
|-------|-----------|----------------|
| 1 | 3/07/2024 | See GTXPDC/962 |

ASSEMBLY INSTRUCTIONS



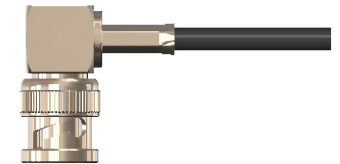
Assembly Instructions:

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:

4.52mm Hex., Solder centre core

Strip Dimensions:

A=9.3mm, B=7.0mm, C=2.2mm



| Description | Material | Finish |
|----------------|----------|--------|
| 6 End Cap | Brass | Nickel |
| 5 Ferrule | Brass | Nickel |
| 4 Dielectric | PTFE | White |
| 3 Coupling Nut | Brass | Nickel |
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Part Number BN17-4855-C06-Z
Title: BNC 12G SDI Crimp Right Angle Plug, Nickel Plated, Belden 4855R, 4855P