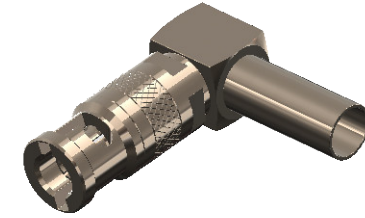


**Revisions**

| Issue | Date       | Note           |
|-------|------------|----------------|
| 2     | 25/06/2024 | See GTXPDC/959 |

**DATASHEET**



**1. Mechanical**

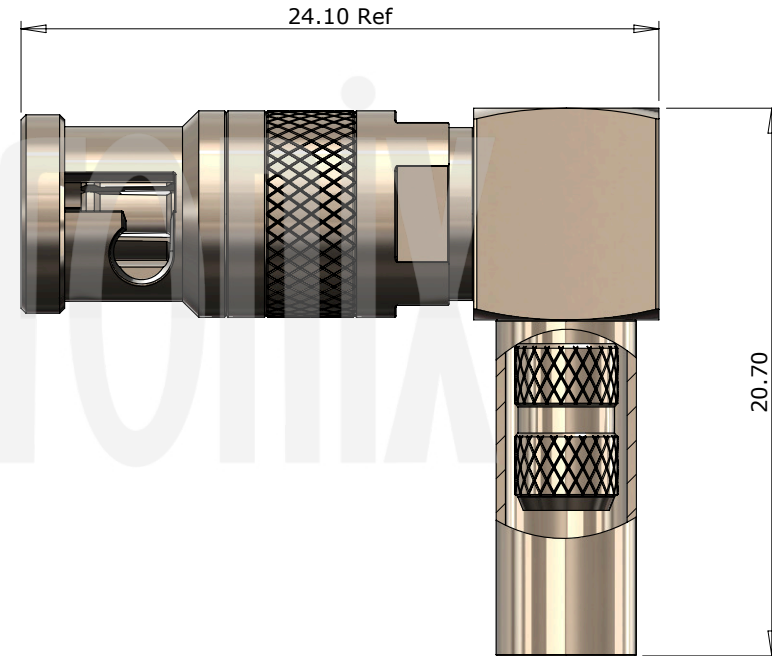
|                     |                                   |
|---------------------|-----------------------------------|
| Fixing Method       | Crimp                             |
| Durability          | 500 mating cycles                 |
| Cable Retention     | Equal to breaking strain of cable |
|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

**2. Environmental**

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

**3. Electrical**

|                         |                       |
|-------------------------|-----------------------|
| Dielectric Withstanding | 500 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 Dielectric   | PTFE             | White  |
| 4 Ferrule      | Brass            | Nickel |
| 3 Coupling Nut | Brass            | Nickel |
| 2 Pin          | Beryllium Copper | 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

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

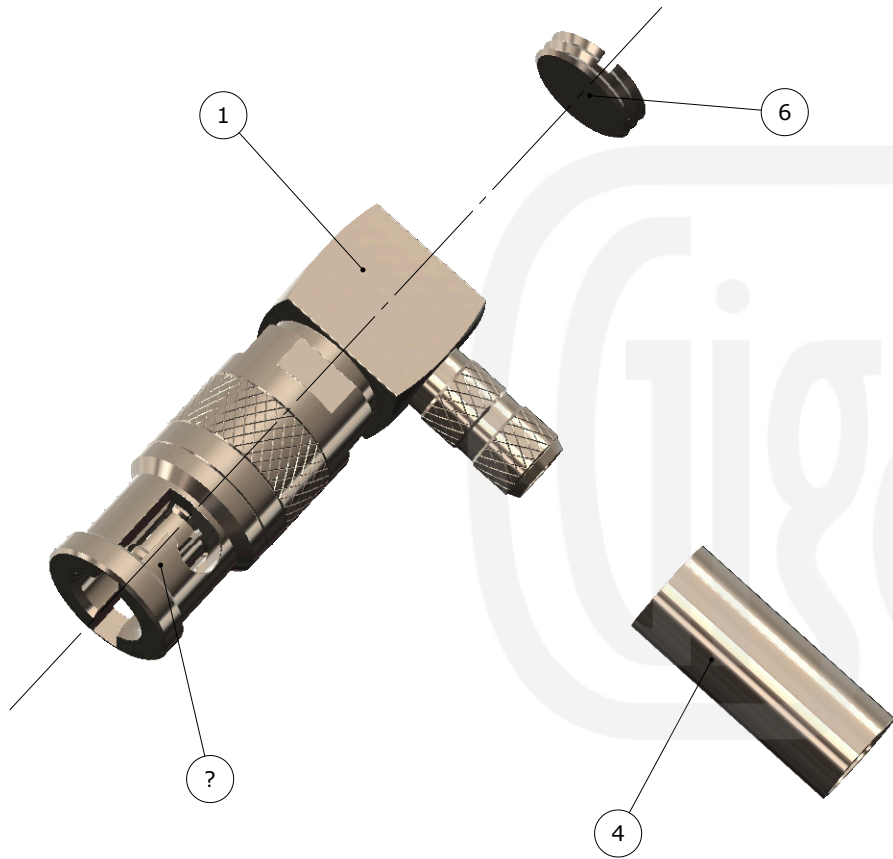


|                     |              |
|---------------------|--------------|
| <b>Author</b>       | PJP          |
| <b>Drawn by</b>     | PJP          |
| <b>Drawing date</b> | 11/06/2024   |
| <b>Checked by</b>   | DB           |
| <b>Checked date</b> | 12/06/2024   |
| <b>Scale</b>        | Not to scale |

|                    |   |
|--------------------|---|
| <b>Part Number</b> | HD17-4855-C06-Z   |
| <b>Title:</b>      | HD BNC 12G SDI Crimp Right Angle Plug, Belden 1855A, Belden 4855R, Belden 1855ENH |

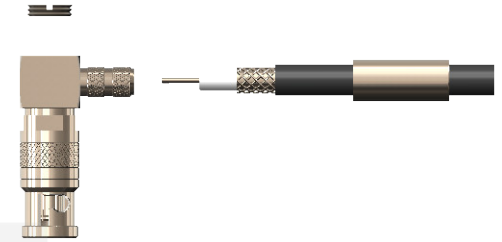
| Revisions |            |                |
|-----------|------------|----------------|
| Issue     | Date       | Note           |
| 2         | 25/06/2024 | See GTXPDC/959 |

## 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 screw in the end cap.

**Crimp Die Sizes:**  
4.52mm Hex., Solder Centre Core

**Strip Dimensions:**  
A=7.5mm, B=4.0mm, C=1.5mm



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

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** HD17-4855-C06-Z

**Title:** HD BNC 12G SDI Crimp Right Angle Plug, Belden 1855A, Belden 4855R, Belden 1855ENH

|                     |              |
|---------------------|--------------|
| <b>Author</b>       | PJP          |
| <b>Drawn by</b>     | PJP          |
| <b>Drawing date</b> | 11/06/2024   |
| <b>Checked by</b>   | DB           |
| <b>Checked date</b> | 12/06/2024   |
| <b>Scale</b>        | Not to scale |