## BNC Cable Assemblies
RFC6T, RFA6T, RFB6T, RF179

| SERIES | – | END 1 CONNECTOR | – | END 2 CONNECTOR | – | OVERALL LENGTH |
|---|---|---|---|---|---|---|

**SERIES**

**RFC6T***
= 12G-SDI, Belden 4694R Cable

**RFA6T**
= RG 6 Cable

**RFB6T**
= Belden 1694A Cable

**RF179**
= RG 179 Cable

**END 1 CONNECTOR** / **END 2 CONNECTOR**

**–74SP3**
= 75 Ω BNC Straight Plug

**–D4SP3**
= 75 Ω BNC Die Cast Straight Plug (RFA6T, RFB6T, RF179 only)

**–74BJ3**
= 75 Ω BNC Bulkhead Jack (RF179 only)

**–74RP3**
= 75 Ω BNC Right-angle Plug (RFA6T, RFB6T, RFC6T only)

**OVERALL LENGTH**

**–"XXXX"**
= Overall Length in millimeters

**–0300** (300 mm)
11.81" minimum
(RFA6T, RFB6T, RFC6T)

**–0100** (100 mm)
3.94" minimum
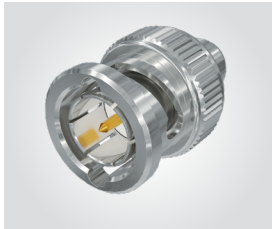(RF179)

### ALSO AVAILABLE

75 Ω: DIN 1.0/2.3, HDBNC = RFA6T, RFB6T, RFC6T

75 Ω: DIN 1.0/2.3, SMB, MCX, MMCX = RF179

*Designed to meet SMPTE 2082 12G-SDI specifications.
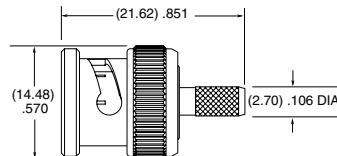
## BNC Cable Connectors
BNC7T-CA

Supplied with pins, washers, nuts, gaskets and ferrules. See website for dimensions.

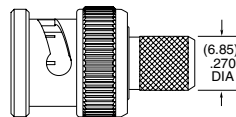| CONNECTORS FOR INDUSTRY STANDARD CABLES | |
|---|---|
| **BNC7T-P-C-GN-ST-CA3 | Machined, RG 179 Cable |
| **BNC7T-P-C-GN-RA-CA3 | Machined, RG 179 Cable |
| **BNC7T-P-C-GN-ST-CA6 | *Machined, RG 6 Cable |
| **BNC7T-P-C-GN-RA-CA6 | *Machined, RG 6 Cable |
| **BNC7T-P-C-GN-ST-CA6B | Belden 4694R Cable |
| **BNC7T-P-C-GN-RA-CA6B | Belden 4694R Cable |
| **BNC7T-J-C-GN-ST-BH3 | Machined, Bulkhead, RG 179 Cable |
| BNC7T- P-C-GN-ST-CA3D | Die Cast, RG 179 Cable |
| BNC7T-P-C-GN-ST-CA6D | Die Cast, RG 179 Cable |

P-C = Cable Plug
J-C = Cable Jack
GN = Plating (10 μ" Gold on contact, Nickel on outer contact and shell)
ST = Straight
RA = Right-angle

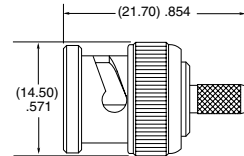**Add "–B" to the end of the part number for bulk packaging
*Designed to meet SMPTE 2082 12G-SDI specifications.



**–CA3D**

**DIE CAST**

(21.62) .851
(14.48) .570
(2.70) .106 DIA

**–CA6D**

(6.85) .270 DIA

**–P-ST-CA3 & -P-ST –CA6**

**MACHINED**

(21.70) .854
(14.50) .571
C
(9.65) .380

**–J-ST-BH3**

(29.80) 1.173
(17.50) .689 Hex.
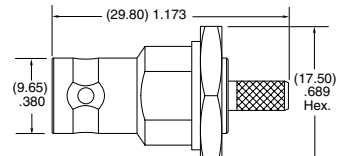
**Note:**
Additional plating options available on Cable Assemblies, Cable Connectors and Board Connectors. Contact RFGroup@samtec.com

| TERMINATION | C (DIA) |
|---|---|
| –CA3 | (2.70) .106 |
| –CA6 | (6.85) .270 |

Unless otherwise approved in writing by Samtec, all parts and components are designed and built according to Samtec's specifications which are subject to change without notice.

## 75 Ω DIE CAST BNC TO 12 GHz

### BNC
**Board Connectors**
BNC7T-TH, BNC7T-BH,
BNC7T-BM, BNC7T-EM

**Cable Mates:**
RF179, RFA6T, RFB6T,
RFC6T, GRF7H-C

| BNC7T | – | GENDER | – | TYPE | – | PLATING | – | ORIENTATION | – | TERMINATION | – | PACKAGING |
|---|---|---|---|---|---|---|---|---|---|---|---|---|

|  | **–J**<br>= Jack | **–P**<br>= PCB<br>Mount | **–GN**<br>= 10 µ"<br>(0.25<br>µm) Gold<br>contact,<br>100 µ"<br>(2.54 µm)<br>Nickel Shell | **–ST**<br>= Straight<br><br>**–RA**<br>= Right-angle<br>Bulkhead/Panel<br>Mount | **–TH2D**<br>= Tall Through-hole<br>Die Cast<br>(–ST only)<br><br>**–BH2D***<br>= Low Profile<br>Die Cast Bulkhead<br>Through-hole<br>(–RA only)<br><br>**–BM1D***<br>= Low Profile<br>Die Cast Bulkhead<br>Mixed Technology<br>for (1.60 mm) .062" PCB<br>(-RA only)<br><br>**–BM2D***<br>= Low Profile<br>Die Cast Bulkhead<br>Mixed Technology<br>for (3.18 mm) .125" PCB<br>(-RA only)<br><br>**–EM1D***<br>= Edge Mount Die Cast<br>Bulkhead/Panel Mount<br>for (1.60 mm) .062" PCB<br>(–ST only)<br><br>**–EM2D***<br>= Edge Mount Die Cast<br>Bulkhead/Panel Mount<br>for (2.40 mm) .093" PCB<br>(–ST only) | Leave blank<br>for individually<br>bagged.<br><br>**–B**<br>= Bulk<br>packaged<br>(–BH2D only) |

**Notes:**
Contact RFGroup@samtec.com for 12G-SDI PCB mount launch characteristics.

Designed to meet SMPTE 2082 12G-SDI specifications.

Additional plating options available on Board Connectors. Contact RFGroup@samtec.com

(15.40) .606
(10.15) .400
(34.29) 1.350
(9.65) .380 DIA

**–RA-BM1D**
**(BALANCED FOR PICK-AND-PLACE)**

(13.90) .547
(10.80) .425
(9.65) .380 DIA
(29.00) 1.142

**–RA-BH2D**

(25.48) 1.003
(9.65) .380 DIA

**-ST-EM1D & -ST-EM2D**

(9.65) .380 DIA
(23.50) .925
(13.41) .528

**-ST-TH2D**

*Lock washers & knurled nuts supplied with bulkhead/panel mount options

## 75 Ω MACHINED BNC TO 12 GHz

### BNC
**Board Connectors**
BNC7T-TH, BNC7T-BH,
BNC7T-EM

**Cable Mates:**
RF179, RFA6T, RFB6T,
RFC6T, GRF7H-C

| BNC7T | – | GENDER | – | TYPE | – | PLATING | – | ORIENTATION | – | TERMINATION | – | PACKAGING |
|---|---|---|---|---|---|---|---|---|---|---|---|---|

|  | **–J**<br>= Jack | **–P**<br>= PCB<br>Mount | **–GN**<br>= 10 µ"<br>(0.25<br>µm) Gold<br>contact,<br>100 µ"<br>(2.54 µm)<br>Nickel Shell | **–ST**<br>= Straight<br><br>**–RA**<br>= Right-angle<br>Bulkhead/Panel<br>Mount | **–TH1**<br>= Standard<br>Through-hole<br>(–ST only)<br><br>**–BH1***<br>= Standard Bulkhead<br>Through-hole<br>(–RA only)<br><br>**–EM1***<br>= Edge Mount<br>Bulkhead/Panel Mount<br>for (1.60 mm) .062" PCB<br>(–ST only)<br><br>**–EM2***<br>= Edge Mount<br>Bulkhead/Panel Mount<br>for (2.40 mm) .093" PCB<br>(–ST only) | Leave blank<br>for individually<br>bagged.<br><br>**–B**<br>= Bulk<br>packaged<br>(–BH1 only) |

**Notes:**
Contact RFGroup@samtec.com for 12G-SDI PCB mount launch characteristics.

Designed to meet SMPTE 2082 12G-SDI specifications.

Additional plating options available on Board Connectors. Contact RFGroup@samtec.com

(10.92) .430
(12.70) .500
(25.48) 1.003
(9.65) .380 DIA

**-ST-EM1 & -ST-EM2**

(9.65) .380 DIA
(18.00) .709

**-ST-TH1**

(21.00) .827
(32.75) 1.289

**-RA-BH1**

*Lock washers & knurled nuts supplied with bulkhead/panel mount options

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