

## **75 Ω BNC TO 12 GHz**

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



#### **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

# OVERALL LENGTH

#### -74SP3

=  $75 \Omega$  BNC Straight Plug

#### -D4SP3

= 75  $\Omega$  BNC Die Cut Straight Plug

#### -74BJ3

= 75 Ω BNC Bulkhead Jack (RF179 only)

## -74RP3

= 75 Ω BNC Right-angle Plug (RFA6T, RFB6T, RFC6T only)

## -"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, HD-BNC<sup>TM</sup> = 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**



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, Belden 1694A or Belden 4694R Cable
BNC7T-P-C-GN-RA-CA6	*Machined, RG 6, Belden 1694A or 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

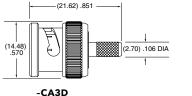
J-C = Cable Jack

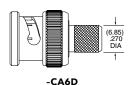
GN = Plating (10  $\mu^{\shortparallel}$  Gold on contact, Nickel on outer contact and shell) ST = Straight

RA = Right-angle

\*Designed to meet SMPTE 2082 12G-SDI specifications.

#### **DIE CAST**





## (21.70) .854 (29.80) 1.173 С

MACHINED

-P-ST-CA3 & -P-ST -CA6

-J-ST-BH3

(17 50)

TERMINATION	C (DIA)
-CA3	(2.70) .106
-CA6	(6.85) .207

#### Note:

Additional plating options available on Cable Assemblies, Cable Connectors and Board Connectors. Contact RFGroup@samtec.com





## 75 $\Omega$ DIE CAST BNC TO 12 GHz



BNC7T-TH, BNC7T-BH, BNC7T-BM, BNC7T-EM

## **Cable Mates:**

RFC6T, GRF7H-C







= Jack



-P

= PCB

Mount

## **PLATING**

Nickel Shell

-GN = 10 μ" (0.25 μm) Gold contact, 100 μ" (2.54 μm)

#### -ST = Straight

-RA = Right-angle Bulkhead/Panel Mount

(25.48) 1.003

ORIENTATION

## **TERMINATION**

-TH2D

= Tall Through-hole Die Cast (-ST only)

#### -BH2D\*

= Low-Profile Die Cast Bulkhead Through-hole (-RA only)

#### -BM1D\*

= Low-Profile Die Cast Bulkhead Mixed Technology for (1.60 mm) .062" PCB (-RA only)

#### -BM2D\*

= Low-Profile Die Cast Bulkhead Mixed Technology for (3.18 mm) .125" PCB (-RA only)

#### -EM1D\*

= Edge Mount Die Cast Bulkhead/Panel Mount for (1.60 mm) .062" PCB (-ST only)

## -EM2D\*

= Edge Mount Die Cast Bulkhead/Panel Mount for (2.40 mm) .093" PCB (-ST only)

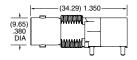
\*Lock washers & knurled nuts supplied with bulkhead/panel mount options

RF179, RFA6T, RFB6T,

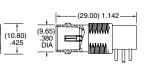




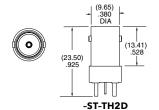
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-RA-BM1D (BALANCED FOR PICK-AND-PLACE)



-RA-BH2D



(9.65) .380 DIA

-ST-EM1D & -ST-EM2D

## 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

## 75 Ω MACHINED BNC TO 12 GHz

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

## **Cable Mates:** RF179, RFA6T, RFB6T,



#### 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



# **GENDER**

= Jack

(10.92)

0





-P

= PCB

Mount

(25.48) 1.003

# -GN

# **PLATING**

# = 10 µ" (0.25 µm) Gold contact, 100 µ" (2.54 µm) Nickel Shell

# **ORIENTATION**

101

-ST-TH1

(18.00)

## -ST = Straight

#### -RA = Right-angle Bulkhead/Panel Mount

#### **TERMINATION**

#### \_TH1 = Standard Through-hole (-ST only)

#### -BH1\*

= Standard Bulkhead Through-hole (–RA only)

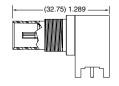
#### -EM1\*

= Edge Mount Bulkhead/Panel Mount for (1.60 mm) .062" PCB (–ST only)

#### -EM2\*

= Edge Mount Bulkhead/Panel Mount for (2.40 mm) .093" PCB (-ST only)





-RA-BH1

(9.65) .380

DIA

-ST-EM1 & -ST-EM2

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