75 Ω HIGH-DENSITY BNC TO 12 GHz



HIGH-DENSITY BNC Cable Assemblies

RFA6T, RFB6T, RFB8T, RFC6T, RFC8T



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

SERIES

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

RFC8T*

= 12G-SDI, Belden 4855R Cable

RFA6T = RG 6 Cable

RFB6T = Belden 1694A Cable

RFB8T

= Belden 1855A Cable

CONNECTOR

CONNECTOR

OVERALL LENGTH

-H4SP3

= 75 Ω High-Density BNC Straight Plug

-"XXXX" = Overall Length in millimeters

-0300 (300 mm) 11.81" minimum

ALSO AVAILABLE

75 Ω: DIN 1.0/2.3, BNC = RFB6T, RFA6T, RFC6T 75 Ω: DIN 1.0/2.3 = RFB8T, RFC8T

HIGH-DENSITY BNC Cable Connectors

HDBNC-CA



Supplied with pins and ferrules. See website with dimensions.

Designed to meet SMPTE 2082 12G-SDI specifications.

CONNECTORS FOR INDUSTRY STANDARD CABLES

RG 6, Belden 1694A or Belden 4694R Cable

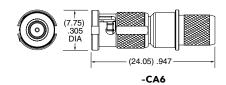
HDBNC-P-C-GN-ST-CA8

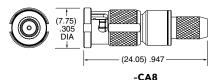
Belden 1855A or Belden 4855R Cable

P-C = Cable Plug

 $GN = Plating (10 \mu'' Gold on contact, Nickel on outer contact & shell)$

ST = Straight





HIGH-DENSITY BNC Board Connectors

HDBNC-TH,

HDBNC-EM,

HDBNC-BH.

HDBNC-BM

Cable Mates:

RFA6T, RFB6T, RFB8T, RFC6T, RFC8T



Notes: Designed to meet SMPTE 2082 12G-SDI

specifications.

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



GENDER

= Jack



TYPE

-P Mount

PLATING

= PCB

-GN

10 μ" (0.25 μm) Gold contact, 100 µ" (2.54 µm) Nickel shell

-ST = Straight

(17.50) .689

-RA = Right-angle

ORIENTATION

= Through-hole (2.36 mm) .093" PCB (-RA only)

TERMINATION

-BH1

= Through-hole

-BH2

-BM1D

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

-BM2D

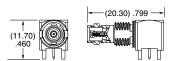
= Die Cast Bulkhead Mixed Technology for (3.18 mm) .125" PCB (-RA only)

-EM1

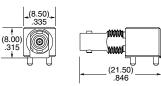
= Edge Mount (–ST only)

-TH1

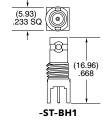
= Through-hole (-ST only), Three Legs



-RA-BH2



-RA-BM1D & -BM2D (BALANCED FOR PICK-AND-PLACE)



-ST-EM1



75 Ω DIN 1.0/2.3 TO 12 GHz



DIN Cable Assemblies RFA6T, RFB6T, RF179,



SERIES

RFC6T*

= 12G-SDI, Belden 4694R Cable

RFC8T*

= 12G-SDI, Belden 4855R Cable

RFA6T

= RG 6 Cable

RFB6T

CONNECTOR

CONNECTOR

OVERALL LENGTH

-78SP4

= 75 Ω DIN Straight Plug

ALSO AVAILABLE

75 Ω: HD-BNC™, BNC = RFB6T, RFA6T, RFC6T 75 Ω : BNC, SMB, MCX, MMCX = RF179 75 Ω: HD-BNCTM = RFB8T, RFC8T

-"XXXX"

= Overall length in millimeters

-0100 (100 mm) 3.94" minimum (RF179)

-0300 (300 mm) 11.81" minimum (RFA6T, RFB6T, RFB8T, RFC6T, RFC8T)

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

= Belden 1694A Cable **RF179** = RG 179 Cable

RFB8T

= Belden 1855A Cable

DIN **Cable Connectors** DIN7A-CA



Supplied with pins and ferrules. See website for dimensions

CONNECTORS FOR INDUSTRY STANDARD CABLES RG 179

*RG 6, Belden 1694A or Belden 4694R Cable DIN7A-PP-C-GF-ST-CA6

*Belden 1855A or Belden 4855R Cable

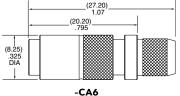
*Designed to meet SMPTE 2082 12G-SDI specifications.

PP-C = Push Pull Plug Cable GF = Plating (10 μ " Gold on center contact,

Flash Gold on outer contact, Nickel on Shell)

ST = Straight





DIN **Board Connectors** DIN7A-TH, DIN7A-BH

Cable Mates: RFA6T, RFB6T, RF179, RFB8T, RFC6T, RFC8T, GRF7H-C



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 Cable Assemblies, Cable Connectors and Board Connectors. Contact RFGroup@samtec.com

DIN7A

GENDER

= Jack

TYPE

-P

= PCB Mount

PLATING

-GF 10 μ" (0.25 μm) Gold center contact, 3 µ" (0.08 µm) Gold outer contact, (100 µ" (2.54 µm) Nickel body –RA only)

-ST = Straight (-TH1 only)



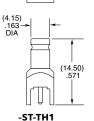
ORIENTATION

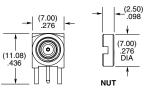
_TH1 = Through-hole (-ST only)

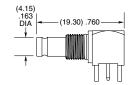
TERMINATION











-RA-BH1