

BNC7T-J-P-GN-ST-TH1



BNC7T-J-P-GN-ST-EM2



BNC7T-J-C-GN-ST-BH3

BNC7T SERIES

75 Ω MACHINED BNC JACKS & PLUGS

Mates with:

RF179, RFA6T,
RFB6T, GRF7H-C

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com/BNC7T-TH, www.samtec.com/BNC7T-BH or www.samtec.com/BNC7T-EM

Shell Material:

Ni plated Brass

Contact Material:

TH1 & BH1 = Copper Alloy

Insulator Material:

PTFE

Impedance:

ST = 75 Ω ±2 Ω

RA = 75 Ω ±4 Ω

Frequency Range:

0~12 GHz

Working Voltage:

500 Vrms

Dielectric Withstanding:

1500 Vrms min

Operating Temperature:

-65 °C to +125 °C

RoHS Compliant:

Yes

Lead-Free Solderable:

Yes

Notes:

12G-SDI available for PCB mounts only.

Contact

RFTechnicalGroup@samtec.com for 12G-SDI PCB mount launch characteristics.

Designed to meet SMPTE 2082 12G-SDI specifications.

BNC7T — GENDER — TYPE — PLATING — ORIENTATION — TERMINATION

—J
= Jack

—P
= PCB
Mount

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

—ST
= Straight

—RA
= Right-angle
Bulkhead/
Panel Mount

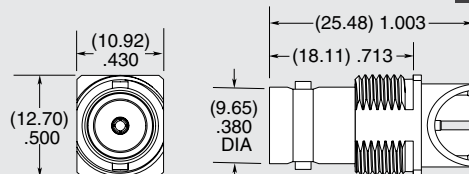
—TH1
= Standard
Through-hole

—BH1*
= Standard Bulkhead
Through-hole
(—RA only)

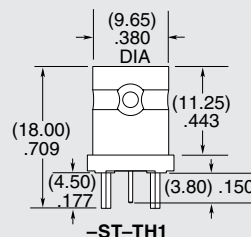
—EM1*
= Edge Mount
Bulkhead/Panel Mount
for (1.60 mm) .062" PCB
(—ST only)

—EM2*
= Edge Mount
Bulkhead/Panel Mount
for (2.40 mm) .093" PCB
(—ST only)

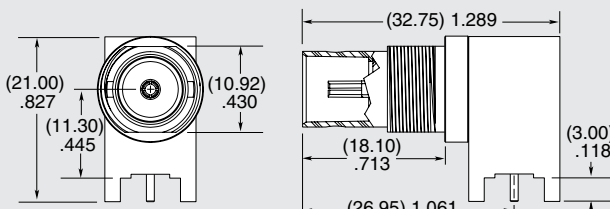
* Lock washers & knurled nuts supplied with Bulkhead/Panel Mount options



—ST-EM1 & —ST-EM2



—ST-TH1



—RA-BH1

TOOL

Tool for quickly installing/uninstalling knurl nut for BNC7T Series
Part Number: TOOL-BNC7T-01

SPECIFICATIONS

For complete specifications and assembly instructions see www.samtec.com/BNC7T-CA

Shell Material:

Brass

Contact Material:

Brass (—P),

Copper Alloy (—J)

Center Contact:

Soldered

Outer Ferrule:

Crimped

Impedance:

75 Ω

Working Voltage:

500 Vrms

Dielectric Withstanding:

1500 Vrms min

Operating Temperature:

-65 °C to +125 °C

BNC7T — GENDER — TYPE — PLATING — ORIENTATION — TERMINATION

—P
= Plug

—J
= Jack

—C
= Cable

—GN
= 10 μ" (0.25 μm)
Gold on contact,
Nickel on outer
contact and shell

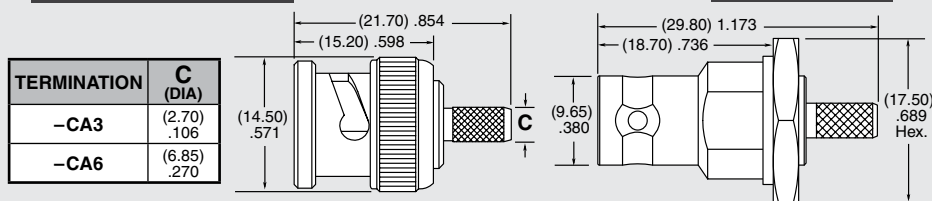
—ST
= Straight

—RA
= Right-angle
(—P only)

—CA3
= RG 179 Cable
(—P only)

—CA6
= RG 6 or Belden
1694A Cable
(—P only)

—BH3
= Bulkhead,
RG 179 Cable
(—J only)



—P-ST-CA3 & —P-ST-CA6

—J-ST-BH3

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

Due to technical progress, all designs, specifications and components are subject to change without notice.

WWW.SAMTEC.COM

All parts within this catalog are built to Samtec's specifications.

Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.