

BNC7T-J-P-GN-ST-EM1

BNC7T-J-P-GN-RA-BH2D

BNC7T-J-C-GN-ST-BH3

BNC7T SERIES

75Ω OPTIMIZED 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
(-TH1, -BH1, -EM1, -EM2)
Zinc (-TH2D, -BH2D,
-EM1D, -EM2D)

Contact Material:

Copper Alloy

Insulator Material:

PTFE

Impedance:

ST = 75Ω ±2Ω
RA = 75Ω ±4Ω

Frequency Range:

0-12 GHz

V.S.W.R.:

1.45 max

Working Voltage:

500 Vrms

Dielectric Withstanding:

1500 Vrms min

Contact Resistance:

Center Contact: 1.5mΩ max

Outer Contact: 0.4mΩ max

Operating Temperature:

-65°C to +125°C

RoHS Compliant:

Yes

Lead-Free Solderable:

Yes

TOOL

Tool for quickly installing/uninstalling knurl nut for BNC7T Series

Part Number:
TOOL-BNC7T-01

BNC7T

GENDER

-J
= Jack

TYPE

-P
= PCB
Mount

PLATING

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

ORIENTATION

-ST
= Straight

-RA
= Right Angle
Bulkhead/
Panel Mount

TERMINATION

-TH1
= Standard
Through-hole

-TH2D
= Tall
Through-hole

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

-BH2D
= Low Profile Die
Cast Bulkhead
Through-hole
(-RA only)

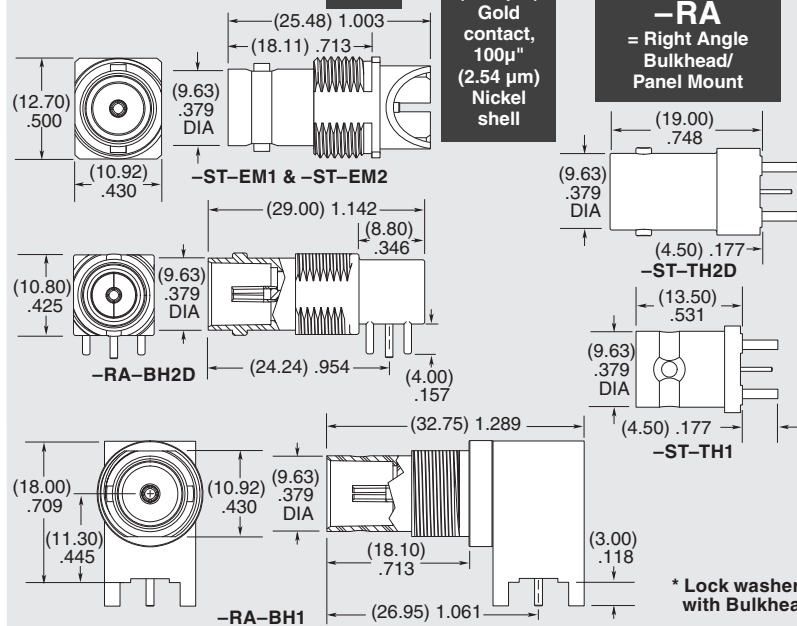
-EM1*
= Edge Mount
Bulkhead/Panel
Mount for
(1.60 mm)
.062" PCB
(-ST only)

-EM1D*
= Edge Mount
Die Cast
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)

-EM2D*
= Edge Mount
Die Cast
Bulkhead/Panel
Mount for
(2.40 mm)
.093" PCB
(-ST only)

Designed to meet
SMPTE 424M 12G
SDI specifications.



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

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:

75Ω

Frequency Range:

0-4 GHz (-P), 0-3.5 GHz (-J)

V.S.W.R.:

1.3 max

Working Voltage:

500 Vrms

Dielectric Withstanding:

1500 Vrms min

Contact Resistance:

Center Contact: 3mΩ max

Outer Contact: 2mΩ max

Insulator Resistance:

5,000 MΩ min

Operating Temperature:

-65°C to +125°C

BNC7T

GENDER

-P
= Plug

-J
= Jack

TYPE

-C
= Cable

PLATING

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

ORIENTATION

-ST
= Straight

-RA
= Right Angle
(-P only)

TERMINATION

-CA3
= RG 179 Cable
(-P only)

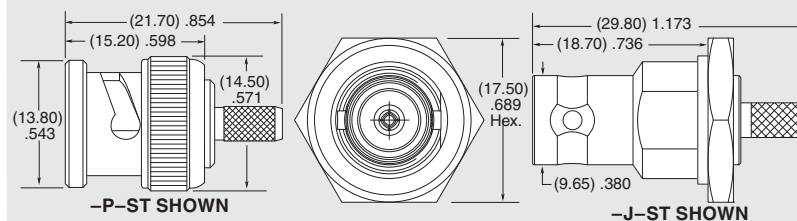
-CA3D
= RG 179 Cable
Die Cast
(-P-ST only)

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

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

-CA6D
= RG 6 or
Belden
1694A Cable
Die Cast
(-P-ST only)

Designed to meet
SMPTE 424M 3G
SDI specifications.



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