

BNC7T-J-P-GN-RA-BH3-01



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
BH3 = Brass
- Insulator Material:** PTFE
- Impedance:** ST = 75 Ω ±2 Ω
RA = 75 Ω ±4 Ω
- Frequency Range:** 0-12 GHz
- V.S.W.R.:** 1.45 max
- Working Voltage:** 500 Vrms
- Dielectric Withstanding:** 1500 Vrms min
-65 °C to +125 °C
- RoHS Compliant:** Yes
- Lead-Free Solderable:** Yes

Note:
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
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-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	-BH3-02 = Low Profile Bulkhead for (3.18 mm) .125" PCB Through-hole (-RA only)
					-BH1 = Standard Bulkhead Through-hole (-RA only)	-EM1* = Edge Mount Bulkhead/Panel Mount for (1.60 mm) .062" PCB (-ST only)
					-BH3-01 = Low Profile Bulkhead Through-hole for (1.60 mm) .062" PCB (-RA 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

TERMINATION	B
-BH3-01	(3.00) .118
-BH3-02	(4.60) .181

TOOL
Tool for quickly installing 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
- 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
- Insulator Resistance:** 5,000 MΩ min
- Operating Temperature:** -65 °C to +125 °C

BNC7T	GENDER	TYPE	PLATING	ORIENTATION	TERMINATION
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-P = Plug	-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)
-J = Jack					-CA6 = RG 6 or Belden 1694A Cable (-P only)
					-BH3 = Bulkhead, RG 179 Cable (-J only)

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

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.