

# 12GHz BNC Coaxial Connectors

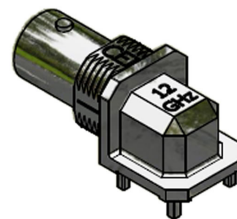
## Right Angle PCB Mounting BNC Socket

Part Number C-SX-144

### General Description

Our range of 12GHz Precision BNC coaxial connectors are optimised for 4K/Quad HD and Ultra HD Broadcast applications and have been developed under the CoaxVision™ Brand name, while meeting the J1A CoaxPress specification. These high performance connectors allow you to achieve a 12GHz channel in one single connection. The BNC connectors are mateable with any standard BNC connector, but to achieve optimum performance we recommend using Cambridge Connectors 12GHz CoaxVision™ BNC Connectors in both halves.

The C-SX-144 connector is a right angle PCB mounting connector which can be hand or wave soldered and is supplied with nut and washer.



**12GSDI**

**CoaxVision™**

### Features

- Precision 12GHz 75 Ω BNC Connector
- Optimised for 4K/Quad HD and Ultra HD Broadcast Applications
- One single connection for each 12GHz Channel
- Precision 75 Ω BNC patch leads also available

### Electrical Specification

Impedance:	75Ω
Frequency Range:	0-12GHz
Working Voltage:	500Vrms
Dielectric Withstanding Voltage:	1500Vrms
Reflection Factor (VSWR):	1.10 <sup>(max)</sup> DC - 6GHz 1.14 <sup>(max)</sup> 6GHz - 12GHz
Contact Resistance:	Centre contact 1.5mΩ Outer contact 1.0mΩ
Insulation Resistance:	>5000M Ω
Connector Type:	Female

### Materials

Centre Pin:	Phosphor Bronze/10 μ" Au
Metal Parts:	Die Cast Zinc/Ni
Insulators:	PTFE

### Environmental

Temp Range:	-65 to +85°C
Mating Cycles:	250

### Processing

Hand Solder, Wave Solder capable of 265° Temperatures up to 265°C may be used in Wave solder process.  
Dwell time 10-12 seconds

