

3GHz Coaxial Connectors

Right Angle PCB Mounting BNC Connector with Pathfinder™ Light Pipe

Part Number C-SX-069

General Description

This precision 75Ω BNC Connector is a right angle mounted PCB connector with a selection of different leg lengths available. It also features Pathfinder™ light pipe technology which aids port identification. With a centre line of 4mm above the board, its low profile permits closer packing densities of daughter boards, which allows reduction in the bulk of routing and switching equipment.

The C-SX-069 has a leg length (La) of 8mm and a centre pin length (Lb) of 8.5mm
The C-SX-101 has a leg length (La) of 6.8mm and a centre pin length (Lb) of 6.8mm
The C-SX-107 has a leg length (La) of 5.7mm and a centre pin length (Lb) of 5.8mm

With the exception of C-SX-101, each connector is supplied with nut and washer and other materials such as gold plating are available.

Electrical Specification

Impedance:	75Ω
Frequency Range:	0-3GHz
Working Voltage:	500Vrms
Dielectric Withstanding Voltage:	1500Vrms
Reflection Factor (VSWR):	1.06 ^(max) DC - 1.5GHz 1.33 ^(max) 1.5 - 3GHz
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:	UL94 HB TPX

Environmental

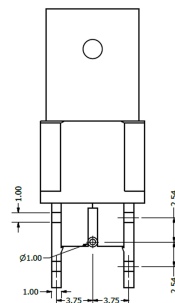
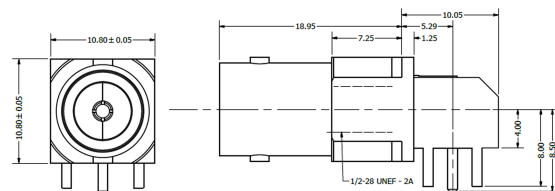
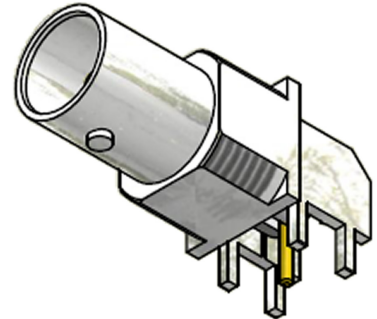
Temp Range:	-65 to +85°C
Mating Cycles	250

Processing

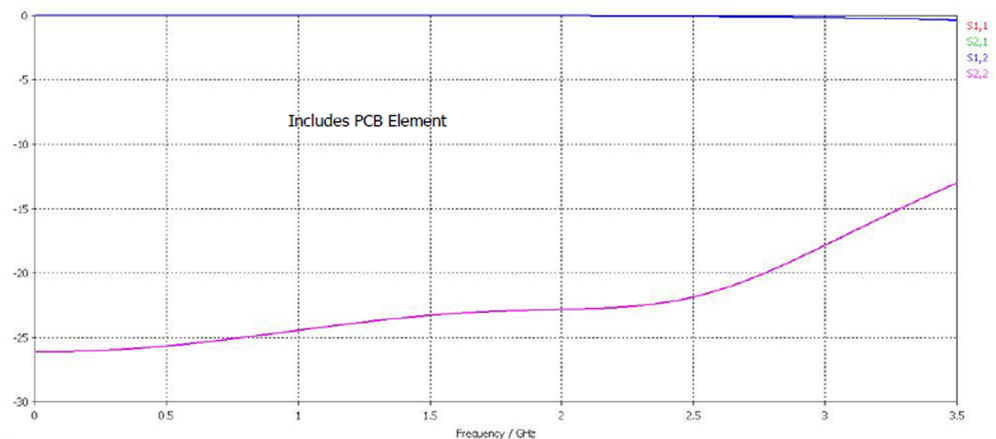
Maximum wave and hand soldering temperature 265°C

Features

- Precision 75Ω BNC Connector
- Designed for HD SDV applications
- Low profile allows higher wiring densities
- Pathfinder™ Light Pipe feature aids port identification



S-Parameter Magnitude in dB



3G SDI

CoaxVision™