

# 3GHz Coaxial Connectors

## PCB Edge Mounting BNC Connector

Part Number C-SX-077G, C-SX-080G, C-SX-081G, C-SX-082G, C-SX-083G, C-SX-084G, C-SX-096G

### General Description

This Precision 75Ω BNC Bulkhead is an edge mounting connector, meeting existing industry standard footprints and comes in the following size formats:

C-SX-077G for 1.6mm PCB thickness with dimension A of 1.7mm  
C-SX-080G for 2.4mm PCB thickness with dimension A of 2.5mm  
C-SX-081G for 3.2mm PCB thickness with dimension A of 3.3mm  
C-SX-082G for 3.6mm PCB thickness with dimension A of 3.7mm  
C-SX-083G for 3.0mm PCB thickness with dimension A of 3.1mm  
C-SX-084G for 2.1mm PCB thickness with dimension A of 2.2mm  
C-SX-096G for 1.1mm PCB thickness with dimension A of 1.15mm

### Features

- Precision 75Ω BNC Connector
- Designed for HD SDV applications
- PCB edge mounting style minimises signal path discontinuities
- Unique location webs secure connector in place during production
- Low profile feature allows for high wiring densities

3G SDI

CoaxVision™

All sizes are supplied with standard nut and washer.

### Electrical Specification

Impedance:	75Ω
Frequency Range:	0-3GHz
Working Voltage:	500Vrms
Dielectric Withstanding Voltage:	1500Vrms
Reflection Factor (VSWR):	1.08 <sup>(max)</sup> DC - 1.5GHz 1.16 <sup>(max)</sup> 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:	Brass / Au
Insulators:	PTFE
Environmental Temp Range:	-65 to +85°C
Processing	
Maximum hand soldering temperature	265°C

