

# 3GHz Coaxial Connectors

## Top Entry PCB Mounting BNC Connector

### Part Number C-SX-100

#### General Description

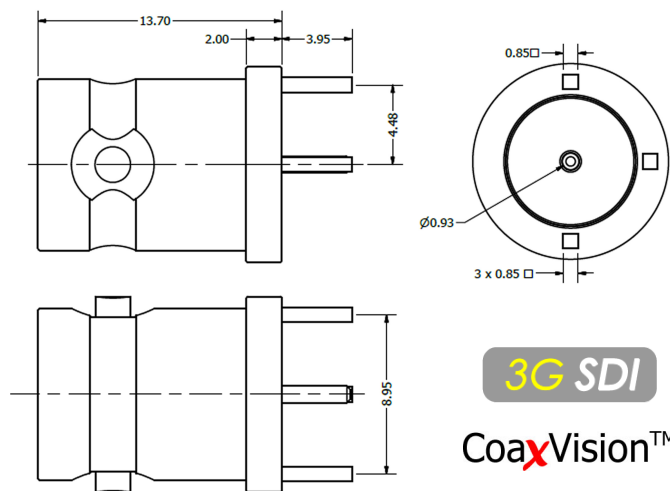
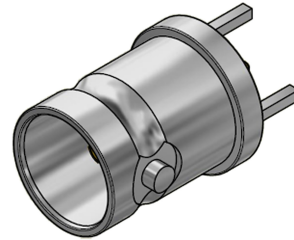
The C-SX-100 precision 75Ω BNC Connector is a top entry four pin PCB mounted connector. Cambridge Connectors precision BNC range are compatible with all other standard BNC connectors, but peak performance is achieved when mated with other connectors in our range.

#### Electrical Specification

|                                             |                                                                       |
|---------------------------------------------|-----------------------------------------------------------------------|
| Impedance:                                  | 75Ω                                                                   |
| Frequency Range:                            | 0-3GHz                                                                |
| Working Voltage:                            | 500Vrms                                                               |
| Dielectric Withstanding Voltage:            | 1500Vrms                                                              |
| Reflection Factor <sup>(VSWR)</sup> :       | 1.02 <sup>(max)</sup> DC - 1.5GHz<br>1.10 <sup>(max)</sup> 1.5 - 3GHz |
| Contact Resistance:                         | Centre contact 1.5mΩ<br>Outer contact 1.0mΩ                           |
| Insulation Resistance:                      | >5000M Ω                                                              |
| Connector Type:                             | Female                                                                |
| Materials                                   |                                                                       |
| Centre Pin:                                 | Phosphor Bronze/ 10 μ"Au                                              |
| Metal Parts:                                | Brass / Ni                                                            |
| Insulators:                                 | PTFE                                                                  |
| 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 3G-SDI Applications
- Precision 75Ω BNC patch leads also available



**3G SDI**  
**CoaxVision™**

