

### General Description

The XBS-03-TE39-NNU Precision 75Ω BNC top entry PCB mounted connector with a protective insulator sleeve around the centre contact. The centre contact is a thickness of 0.93mm.

This connector was formerly sold as:  
C-SX-119 as a connector only product



### Electrical

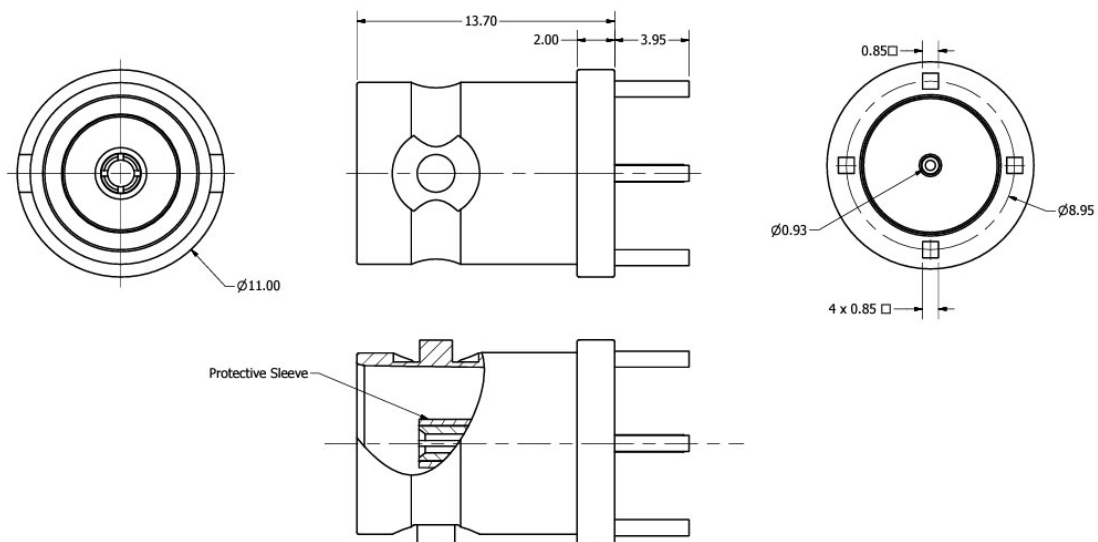
|                                 |                |                                            |
|---------------------------------|----------------|--------------------------------------------|
| Impedance                       |                | 75Ω                                        |
| Frequency Range                 |                | 0-3GHz                                     |
| Working Voltage                 |                | 500Vrms                                    |
| Reflection Factor (VSWR)        |                | 1.04 (max) 0-1.5GHz<br>1.11 (max) 1.5-3GHz |
| Dielectric Withstanding Voltage |                | 1500Vrms                                   |
| Insulation Resistance           |                | ≥5000MΩ                                    |
| Contact Resistance              | Centre Contact | ≤ 1.5mΩ                                    |
|                                 | Outer Contact  | ≤ 1.0mΩ                                    |

### Materials

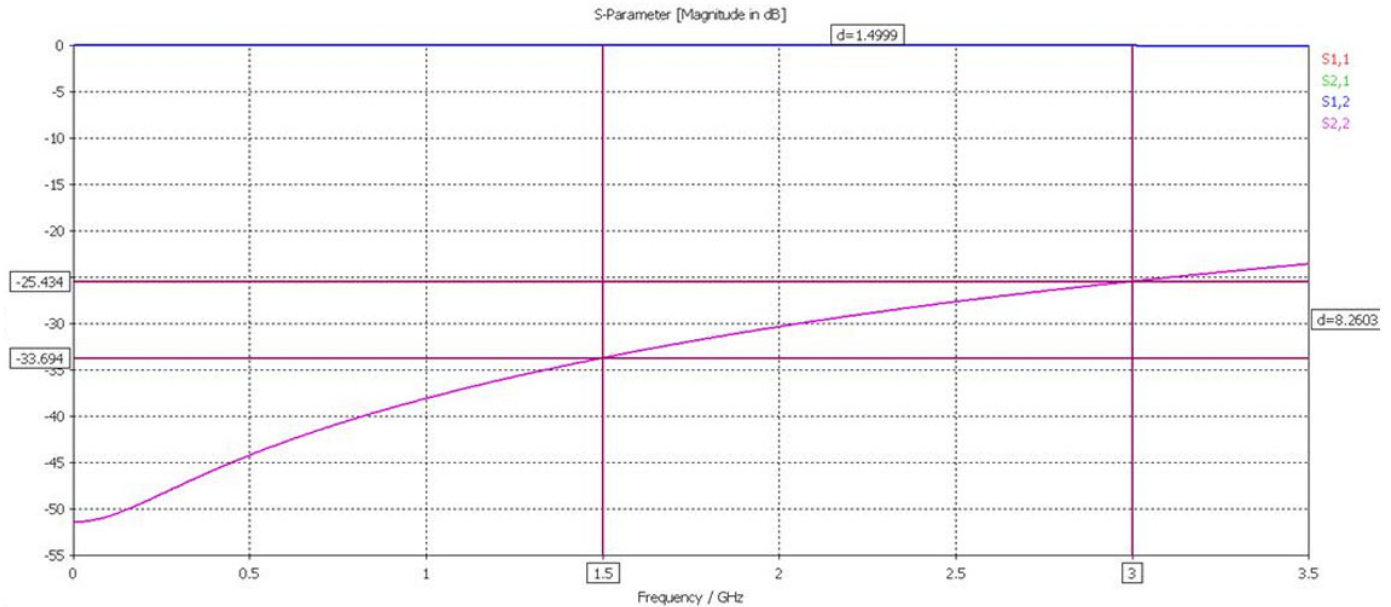
|             |                      |
|-------------|----------------------|
| Centre Pin  | PhosBronze / 10 μ"Au |
| Metal Parts | Brass/Ni             |
| Insulators  | PTFE                 |

### Environmental

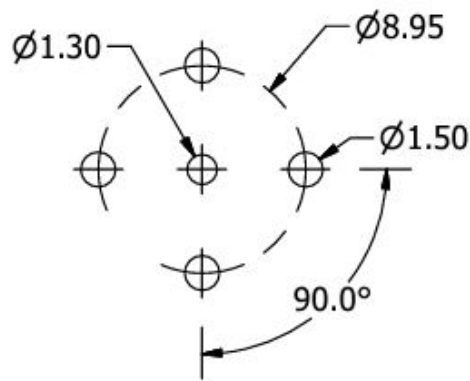
|                |              |
|----------------|--------------|
| Connector Type | BNC Female   |
| Temp Range     | -65 to +85°C |
| Mating Cycles  | 250          |



## Return Loss Graph



## PCB Layout and Panel Cutout



PCB Footprint