

## General Description

The XBS-03-TE40-NN precision 75Ω BNC Connector is a top entry five 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.

This connector was formerly sold as:  
[C-SX-063](#) as a connector only product



## Electrical

|                                 |                                            |         |
|---------------------------------|--------------------------------------------|---------|
| Impedance                       | 75Ω                                        |         |
| Frequency Range                 | 0-3GHz                                     |         |
| Working Voltage                 | 500Vrms                                    |         |
| Reflection Factor (VSWR)        | 1.08 (max) 0-1.5GHz<br>1.16 (max) 1.5-3GHz |         |
| Dielectric Withstanding Voltage | 1500Vrms                                   |         |
| Insulation Resistance           | ≥5000MΩ                                    |         |
| Contact Resistance              | Centre Contact                             | ≤ 1.5mΩ |
|                                 | Outer Contact                              | ≤ 1.0mΩ |

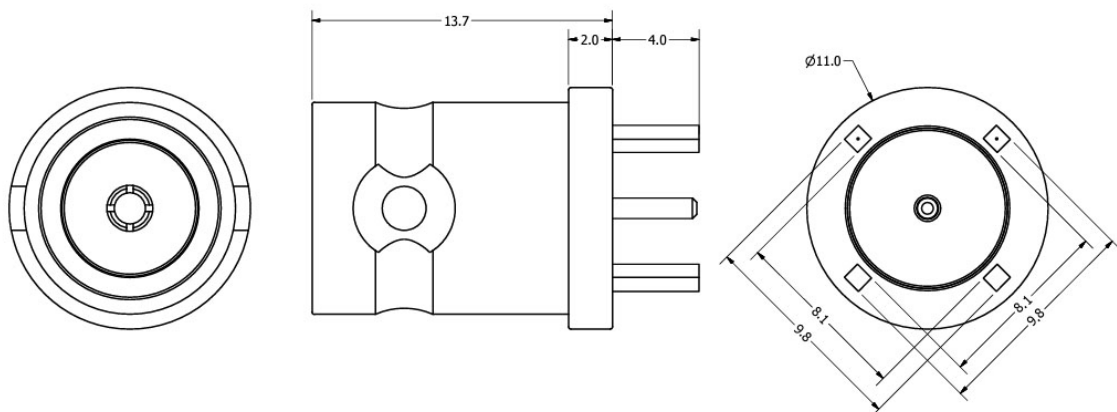


## Materials

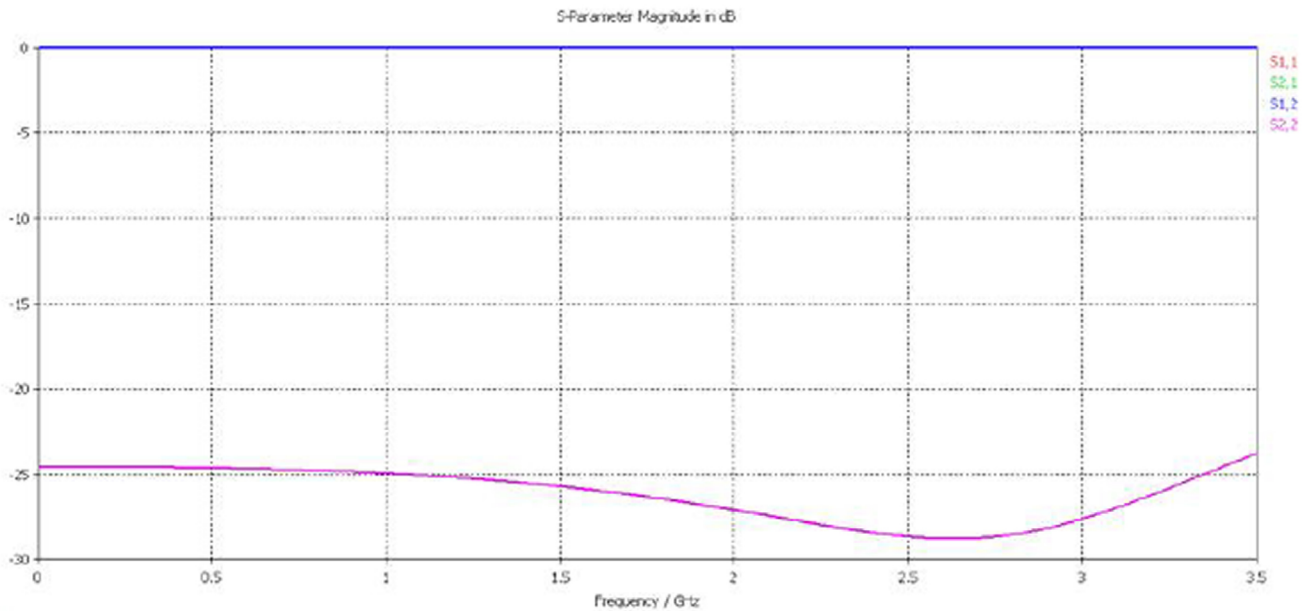
|             |                      |
|-------------|----------------------|
| Centre Pin  | PhosBronze / 10 μ"Au |
| Metal Parts | Brass/Ni             |
| Insulators  | Teflon               |

## Environmental

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



## Return Loss Graph



## PCB Layout and Panel Cutout

