

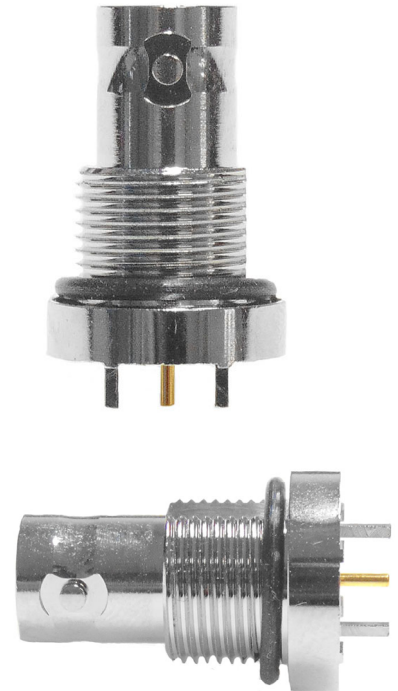
## General Description

The XBS-06-TB38-NNW is a top entry three pin bulkhead mounting BNC connector. This BNC connector is suitable for high speed video applications such as 6G HD- SDI digital broadcast and CoaXPress machine vision. The connector features a waterproof seal.

This connector is available as:  
XBS-06-TB38-NNW as a connector only part  
XBS-06-TB38-NNW-AA supplied with Hex Nut & Washer

## Electrical

|                                 |                                        |         |
|---------------------------------|----------------------------------------|---------|
| Impedance                       | 75Ω                                    |         |
| Frequency Range                 | 0-6GHz                                 |         |
| Working Voltage                 | 500Vrms                                |         |
| Reflection Factor (VSWR)        | 1.04 (max) 0-3GHz<br>1.11 (max) 3-6GHz |         |
| Dielectric Withstanding Voltage | 1500Vrms                               |         |
| Insulation Resistance           | ≥5000MΩ                                |         |
| Contact Resistance              | Centre Contact                         | ≤ 1.5mΩ |
|                                 | Outer Contact                          | ≤ 1.0mΩ |

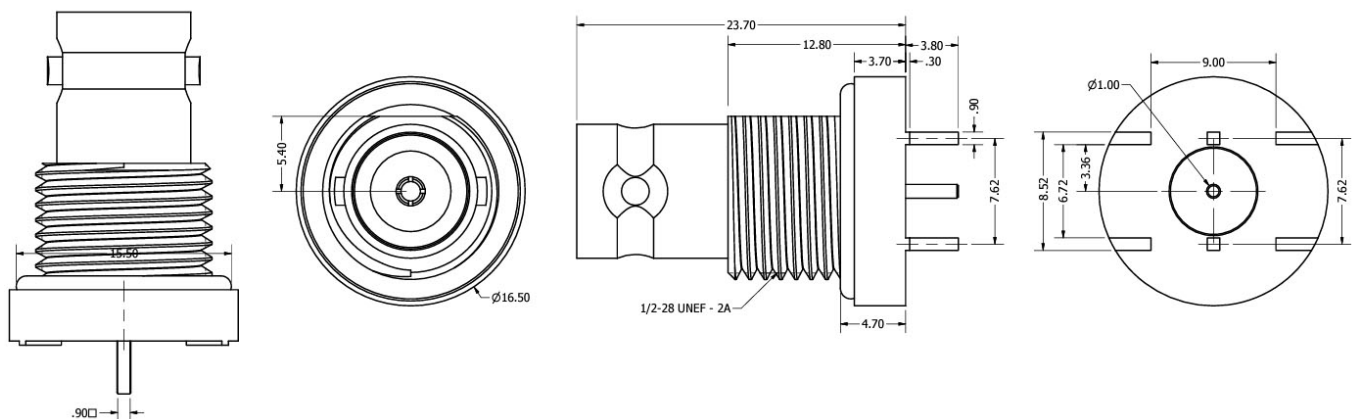


## Materials

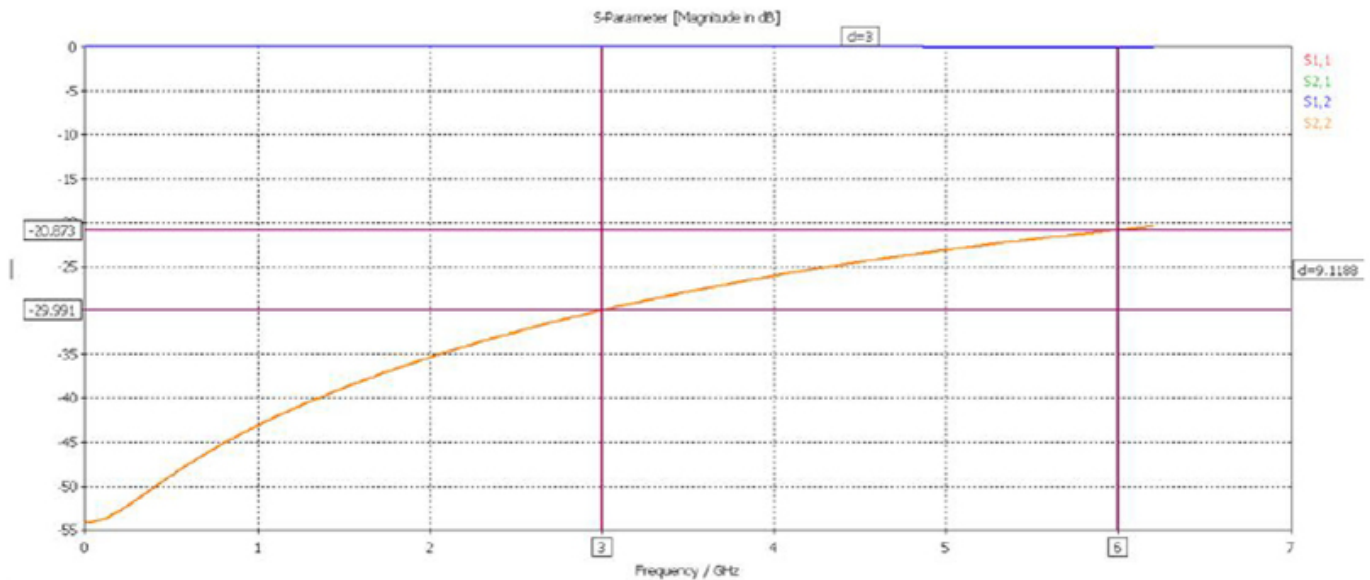
|             |                      |
|-------------|----------------------|
| Centre Pin  | PhosBronze / 10 μ"Au |
| Metal Parts | Brass/Ni             |
| Insulators  | PTFE                 |
| Seal        | Silicone Rubber      |

## Environmental

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



## Return Loss Graph



## PCB Layout and Panel Cutout

