

General Description

The XGS-06-EB16-GG is a low profile PCB edge mounted connector which conforms to the standard of SMPTE ST 2081-1, allowing bit-rates of 5.94bit/s over a single coaxial connection. The 8mm pitch of the connector enables high wiring densities and is optimised for use in 6G HD-SDI applications. The connector is gold plated, but can also be purchased as a nickel plated option and is for a PCB thickness of 1.6mm.

This connector was formerly sold as:
 C-SX-127G when supplied with ANG-C2-BBN-2.35



Electrical

| | | |
|---------------------------------|--|---------|
| Impedance | 75Ω | |
| Frequency Range | 0-6GHz | |
| Working Voltage | 250Vrms | |
| Reflection Factor (VSWR) | 1.10 (max) 0-3GHz 1.32 (max) 3-6GHz | |
| Dielectric Withstanding Voltage | 750Vrms | |
| Insulation Resistance | ≥1000MΩ | |
| Contact Resistance | Centre Contact | ≤ 4.0mΩ |
| | Outer Contact | ≤ 2.5mΩ |

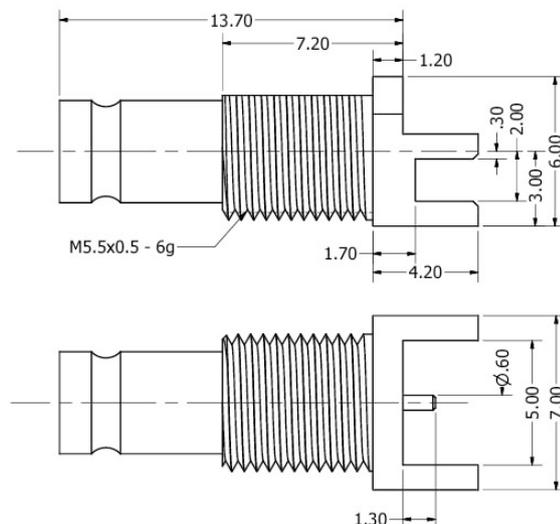
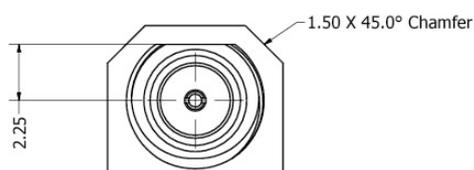


Materials

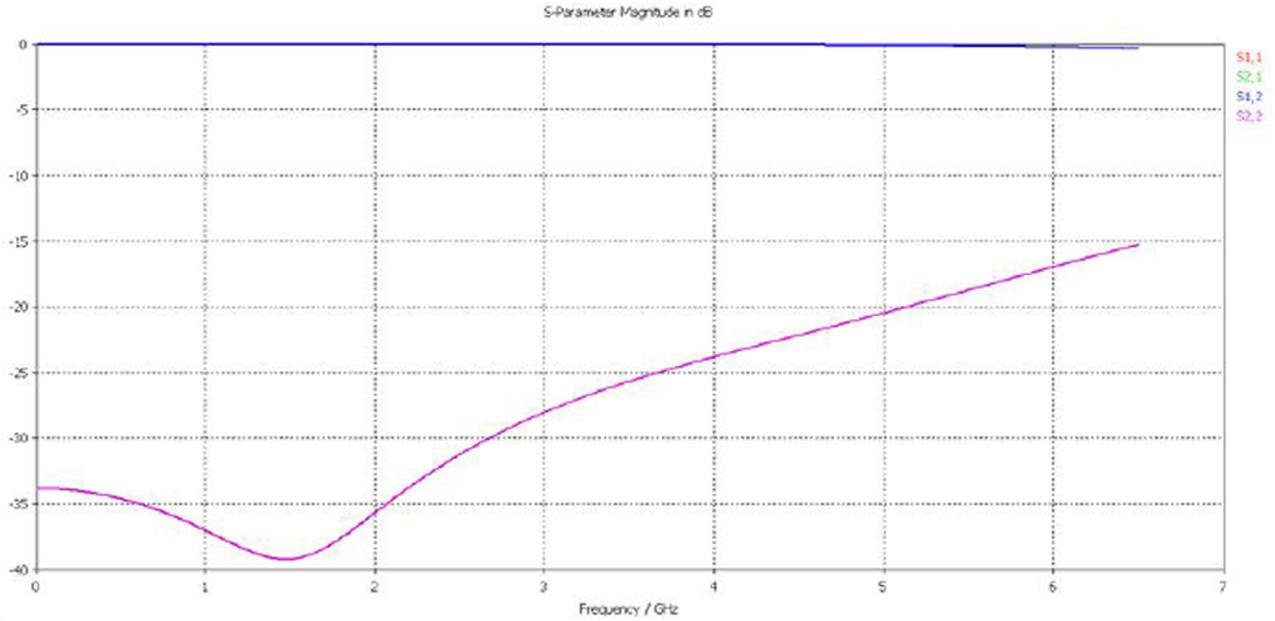
| | |
|-------------|-----------------|
| Centre Pin | BeCu / 10 μ" Au |
| Metal Parts | Brass/Au |
| Insulators | PTFE |

Environmental

| | |
|----------------|--------------|
| Connector Type | BNC Female |
| Temp Range | -65 to +85°C |
| Mating Cycles | 500 |



Return Loss Graph



PCB Layout

