

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 is available as:

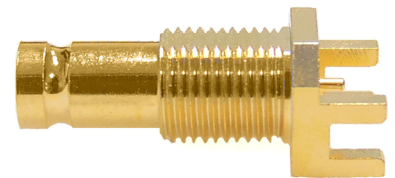
XGS-06-EB16-GG as a connector only part

XGS-06-EB16-GG-AZ supplied with 2 Slot Circular Nut



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

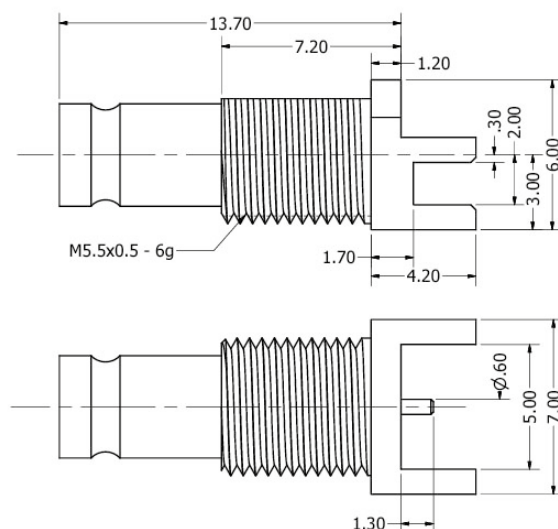
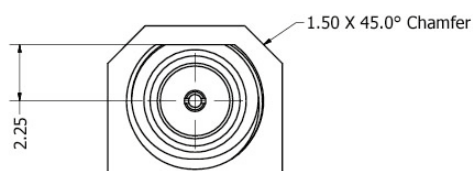


Materials

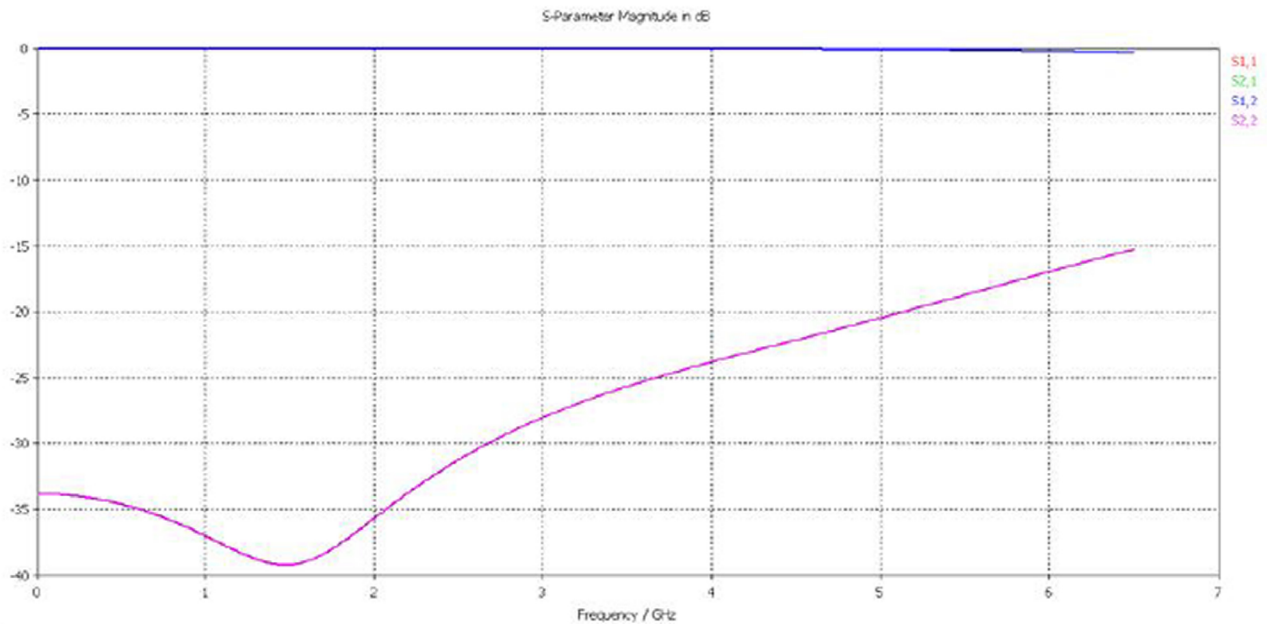
Centre Pin	BeCu / 10 μ"Au
Metal Parts	Brass/Au
Insulators	PTFE

Environmental

Connector Type	DIN 1.0/2.3 Female
Temp Range	-65 to +85°C
Mating Cycles	500



Return Loss Graph



PCB Layout

