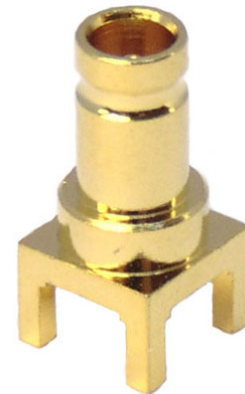


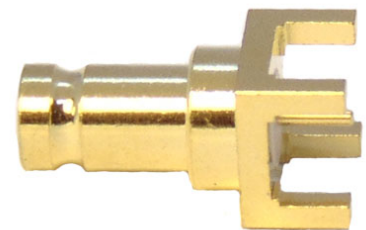
General Description

The XGS-06-TE27-GG is a top entry PCB bulkhead mounted connector with a short body which conforms to the standard of SMPTE ST 2081-1, allowing bit-rates of 5.94Gbit/s over a single coaxial connection. The 8mm pitch of the connector enables double wiring densities and is optimised for use in 6G HD-SDI applications. The connector has 4 legs which are 2.7mm.



Electrical

Impedance		75Ω
Frequency Range		0-6GHz
Working Voltage		250Vrms
Reflection Factor (VSWR)		1.01 (max) 0-3GHz 1.02 (max) 3-6GHz
Dielectric Withstanding Voltage		>750Vrms
Insulation Resistance		≥1000MΩ
Contact Resistance	Centre Contact	≤ 4.0mΩ
	Outer Contact	≤ 1.3mΩ

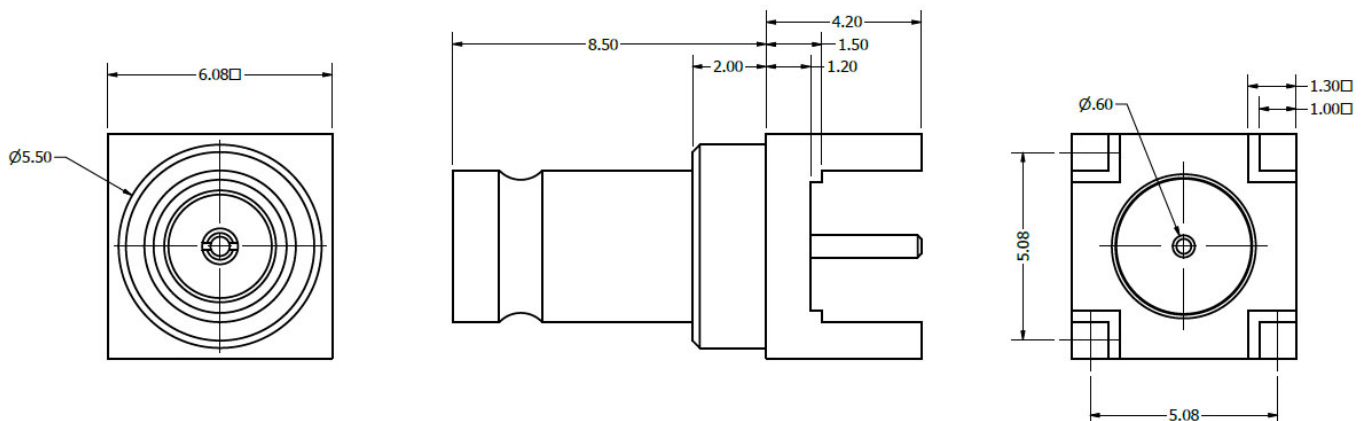


Materials

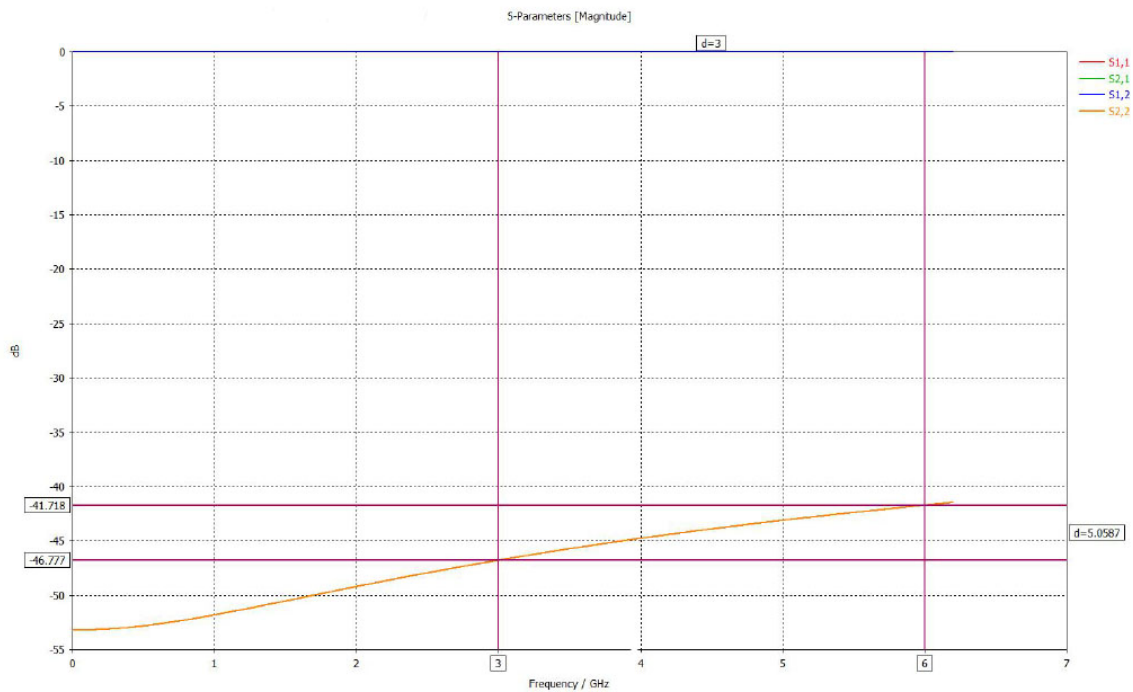
Centre Pin	BeCu / 10 μ"Au
Metal Parts	Brass/Au
Insulators	PTFE

Environmental

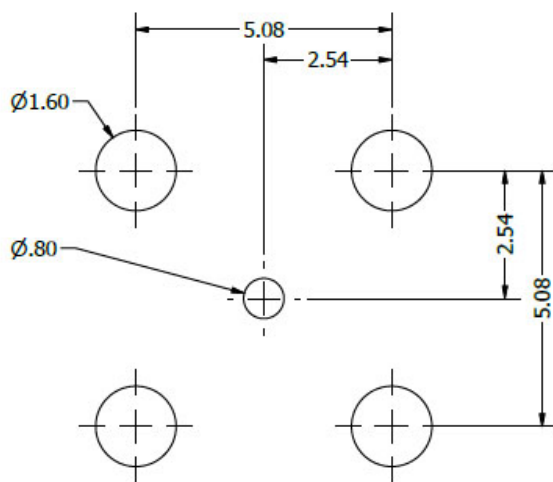
Connector Type	DIN 1.0/2.3 Female
Temp Range	-65 to +85°C
Mating Cycles	500



Return Loss Graph



PCB Layout



PCB Footprint