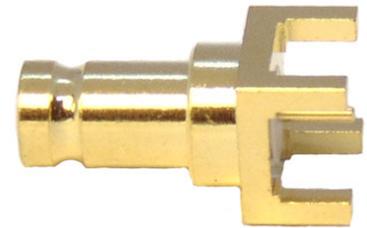


### General Description

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

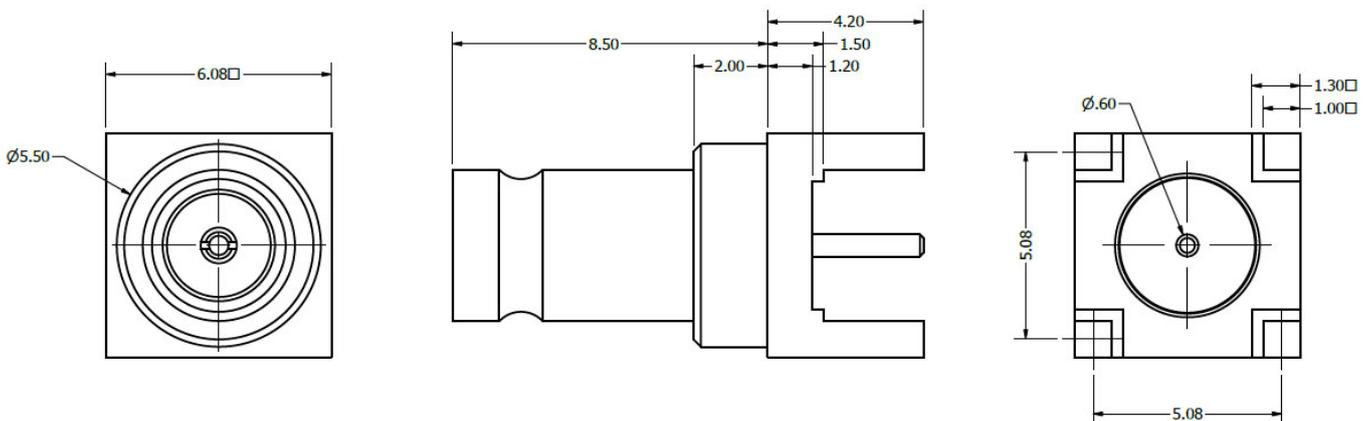
Impedance	75Ω	
Frequency Range	0-6GHz	
Working Voltage	250Vrms	
Reflection Factor (VSWR)	1.01 (max) 0-3GHz 1.02 (max) 3-6GHz	
Dielectric Withstanding Voltage	>750Vrms	
Insulation Resistance	≥1000MΩ	
Contact Resistance	Centre Contact	≤ 4.0mΩ
	Outer Contact	≤ 1.3mΩ

### Materials

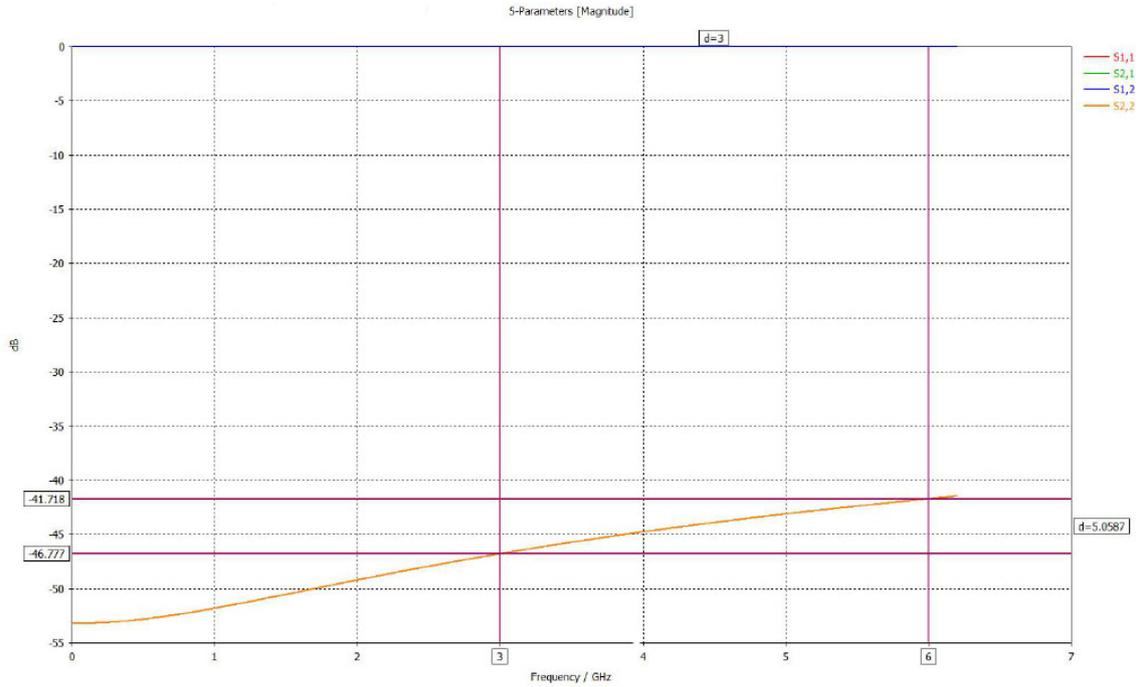
Centre Pin	BeCu / 10 μ" Au
Metal Parts	Brass/Au
Insulators	PTFE

### Environmental

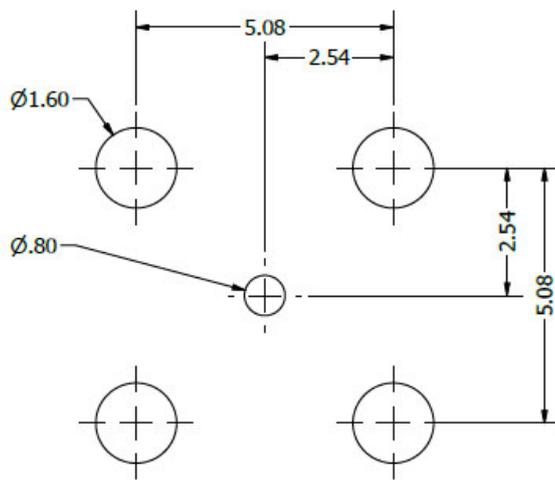
Connector Type	BNC Female
Temp Range	-65 to +85°C
Mating Cycles	500



### Return Loss Graph



### PCB Layout



PCB Footprint