

General Description

The XGS-06-TB27-NNLU is a top entry PCB bulkhead mounted connector with a protective sleeve over the contact 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 a leg length of 2.7mm with a longer body and bulkhead section for panel mounting.



Electrical

Impedance	75Ω				
Frequency Range	0-6GHz				
Working Voltage	250Vrms				
Reflection Factor (VSWR)	1.3 (max) 0-3GHz 1.58 (max) 3-6GHz				
Dielectric Withstanding Voltage	750Vrms				
Insulation Resistance	$\geq 1000M\Omega$				
Contact Resistance	<table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td>Centre Contact</td> <td>$\leq 4.0m\Omega$</td> </tr> <tr> <td>Outer Contact</td> <td>$\leq 2.5m\Omega$</td> </tr> </table>	Centre Contact	$\leq 4.0m\Omega$	Outer Contact	$\leq 2.5m\Omega$
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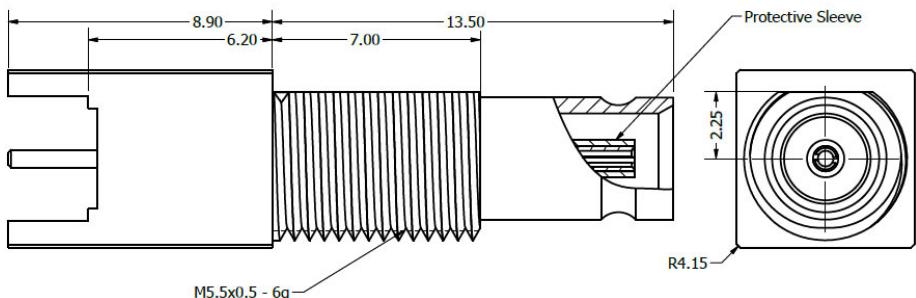
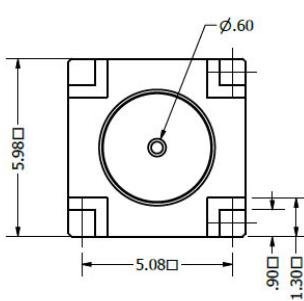


Materials

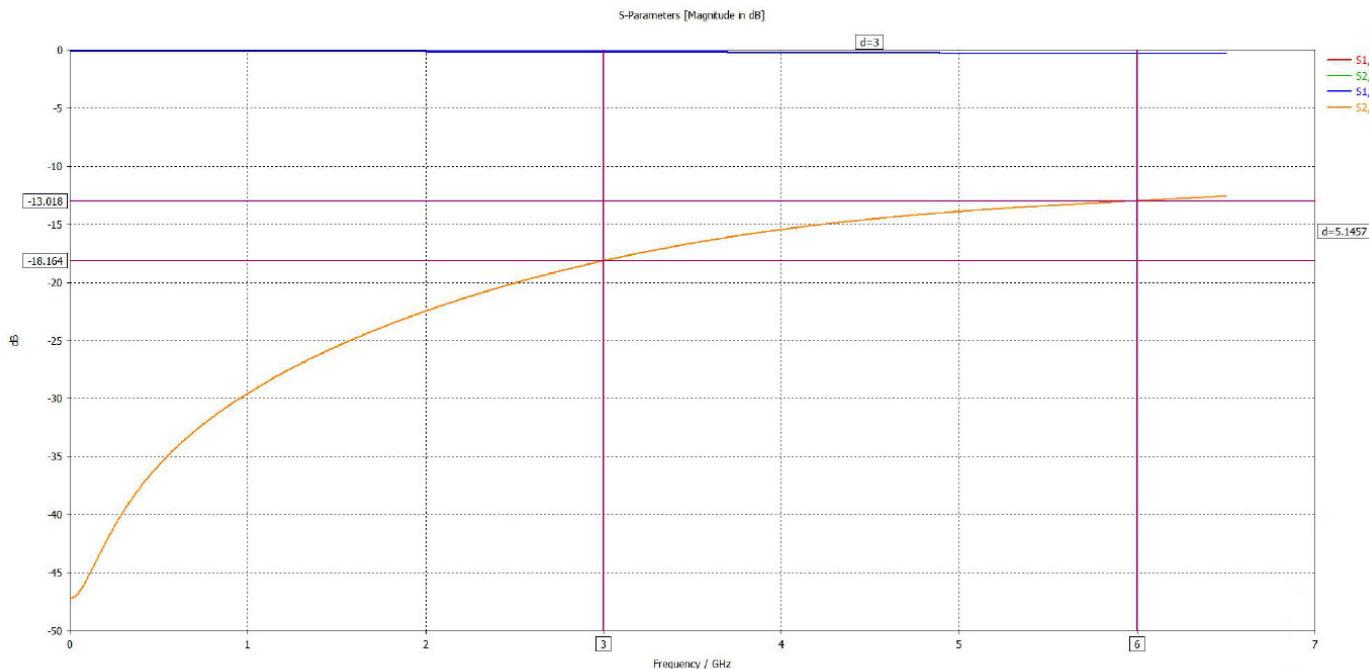
Centre Pin	BeCu / 10 μ "Au
Metal Parts	Brass/Ni
Insulators	PTFE

Environmental

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



Return Loss Graph



PCB Layout

