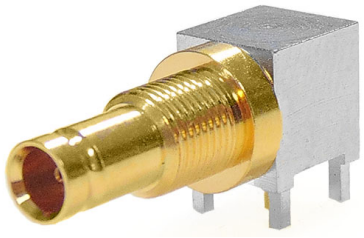
CAMBRIDGE ELECTRONIC INDUSTRIES

75Ω DIN 1.0/2.3 Socket 6GHz Right Angle Bulkhead, 2.6mm Leg for Reflow
Part Number XGS-06-RB26-NGR
Issue 1.0

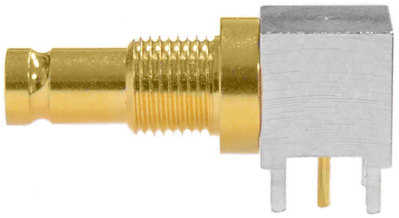
General Description

The XGS-06-RB26-NGR is a right angle PCB bulkhead mounted connector which conforms to the standard of SMPTE ST 2081-1 and CXP-6, allowing bit-rates of 5.94Gbit/s over a single coaxial connection. The 8mm pitch and low profile of the connector enables double wiring densities and is optimised for use in 6G HD-SDI applications. The connector is designed for reflow soldering.



Electrical

Impedance		75Ω
Frequency Range		0-6GHz
Working Voltage		250Vrms
Reflection Factor (VSWR)		1.10 (max) 0-3GHz 1.29 (max) 3-6GHz
Dielectric Withstanding Voltage		750Vrms
Insulation Resistance		≥1000MΩ
Contact Resistance	Centre Contact	≤ 4.0mΩ
	Outer Contact	≤ 2.5mΩ

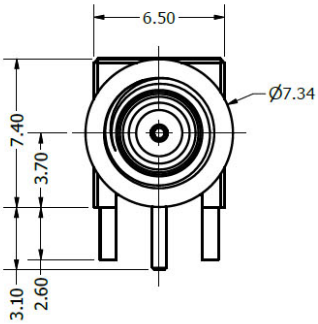


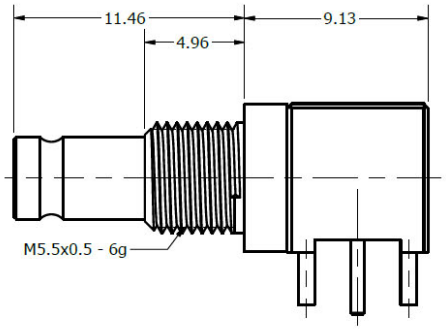
Materials

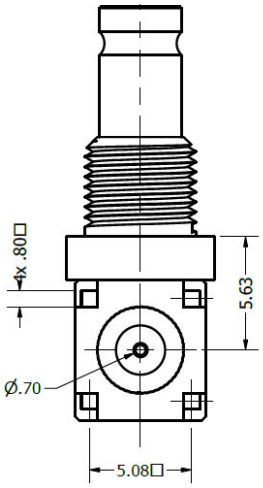
Centre Pin	BeCu / 10 µ"Au
Metal Parts	Brass/Ni/Au
Insulators	PTFE

Environmental

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

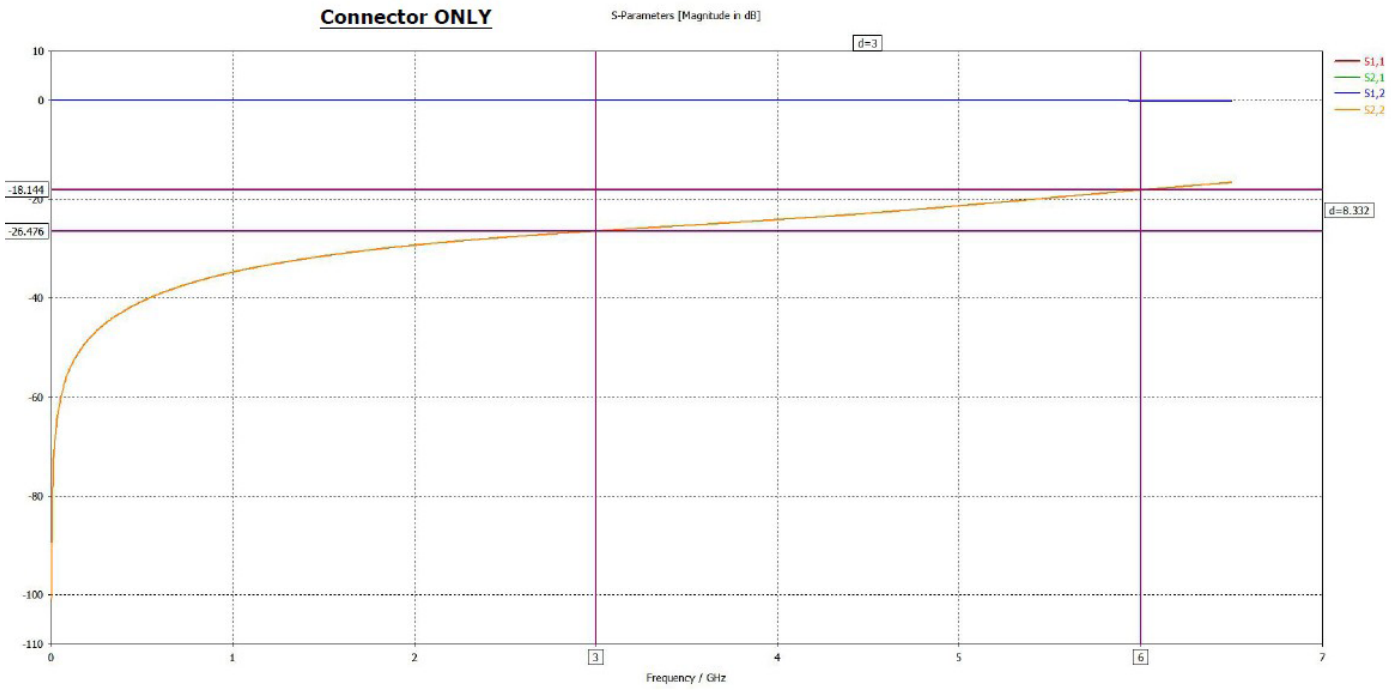






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Return Loss Graph



PCB Layout

