

General Description

The XGS-06-EB16-NNL 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 for a PCB thickness of 1.6mm and features a longer body.

This connector was formerly sold as:
C-SX-130N when supplied with ANG-C2-BBN-2.35



Electrical

Impedance	75Ω				
Frequency Range	0-6GHz				
Working Voltage	250Vrms				
Reflection Factor (VSWR)	1.12 (max) 0-3GHz 1.48 (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 style="padding: 2px;">Centre Contact</td> <td style="padding: 2px;">$\leq 4.0m\Omega$</td> </tr> <tr> <td style="padding: 2px;">Outer Contact</td> <td style="padding: 2px;">$\leq 2.5m\Omega$</td> </tr> </table>	Centre Contact	$\leq 4.0m\Omega$	Outer Contact	$\leq 2.5m\Omega$
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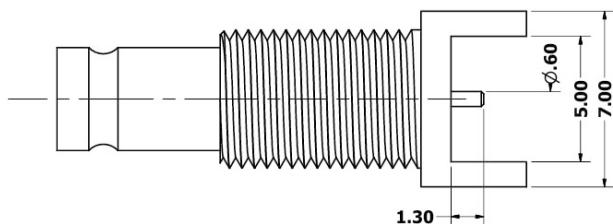
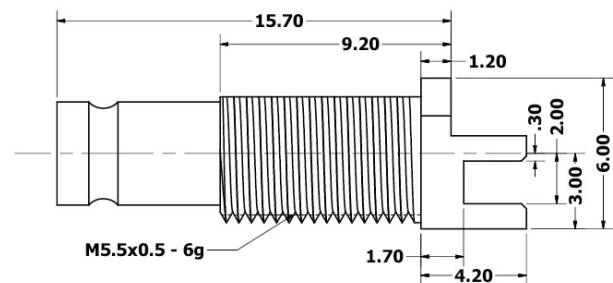
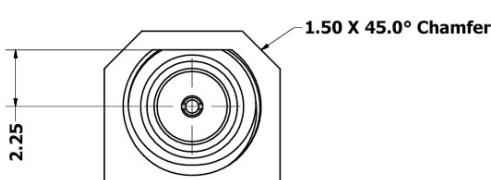


Materials

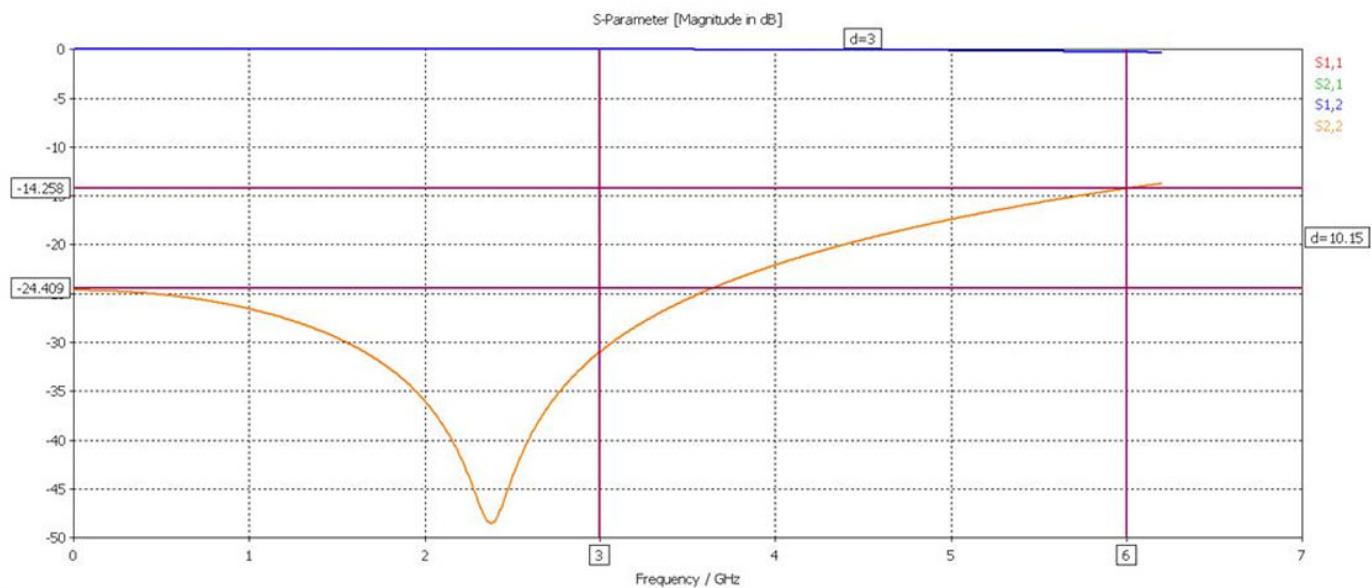
Centre Pin	BeCu / 10 μ "Au
Metal Parts	Brass/Au
Insulators	PTFE

Environmental

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



Return Loss Graph



PCB Layout

