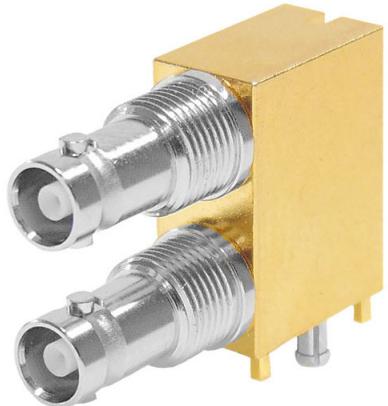


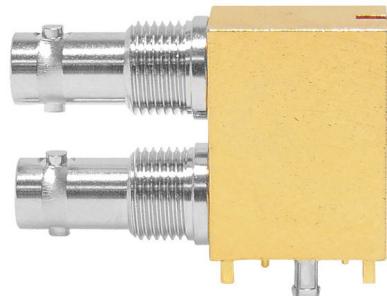
General Description

The design of this dual port connector allows for optimum signal integrity at 12GHz and complies to the 4K/Quad HD and Ultra HD broadcast standard as well as the JIIA CXP-12 CoaXPress specification. The XPS-12-RB15-GNDHP features harpoons to assist with placement of the connector on the PCB, but contacts and ground pins of a shorter length, that are housed within the board (sub-terrain), which reduces the possibility for the signal to create either an antenna or crosstalk to other components on the board at the higher frequency range.



Electrical

Impedance	75Ω
Frequency Range	0-12GHz
Working Voltage	250Vrms
Reflection Factor (VSWR)	1.3 (max) 0-12GHz
Dielectric Withstanding Voltage	750Vrms
Insulation Resistance	$\geq 1000\text{M}\Omega$
Contact Resistance	Centre Contact $\leq 4.0\text{m}\Omega$ Outer Contact $\leq 2.5\text{m}\Omega$

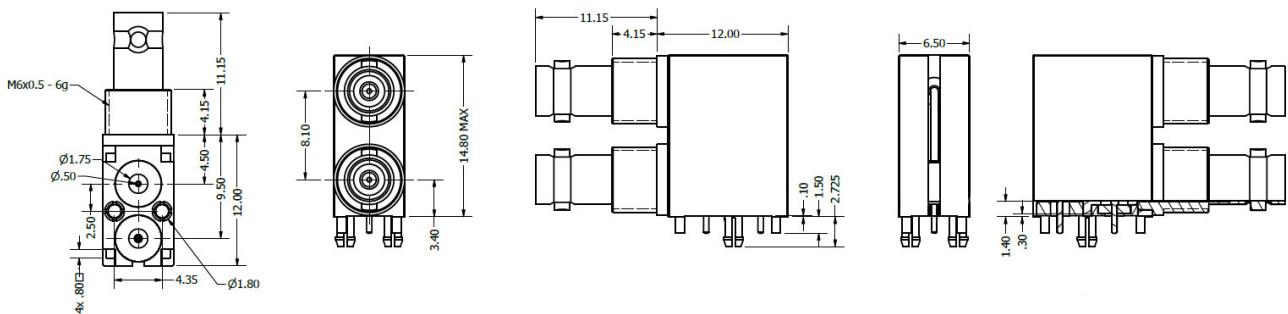


Materials

Centre Pin	BeCu / 10 $\mu\text{"Au}$
Metal Parts	Brass/Au/Ni
Insulators	PTFE

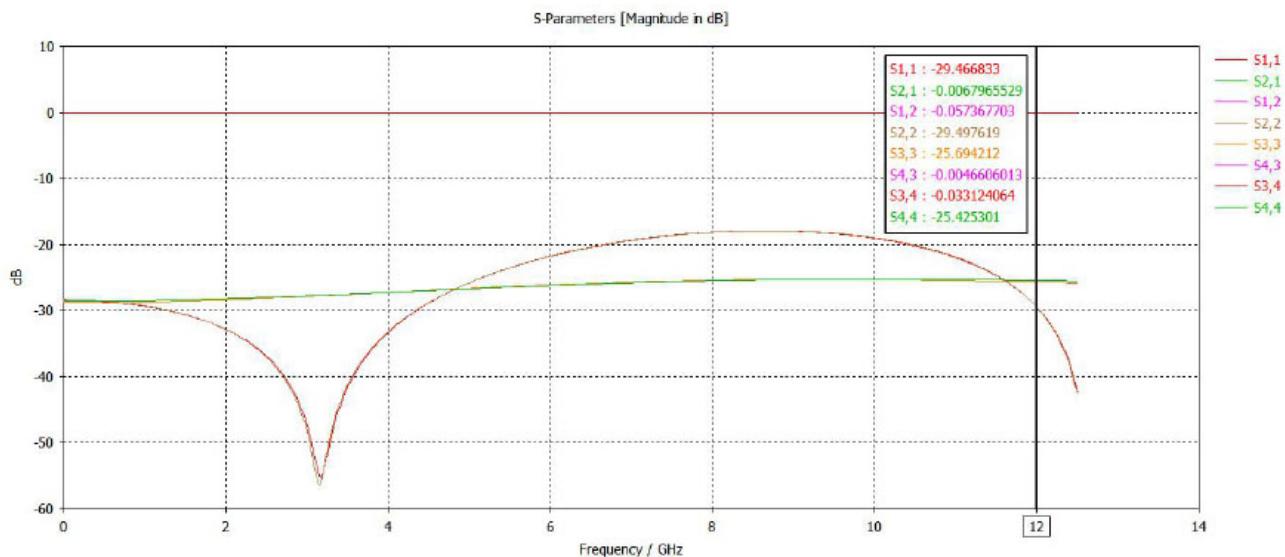
Environmental

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



Return Loss Graph

RL Graph Connector Only



PCB Layout

