

General Description

Our 12 GHz Precision BNC coaxial connectors are engineered for 4K/Quad HD and Ultra HD broadcast applications and fully compliant with the JIIA CoaXPress specification. Delivering a true 12 GHz channel through a single connection, these high-performance connectors ensure uncompromised signal integrity.

The dual-port BNC connector provides the highest possible packing density for BNC interfaces, eliminating the need for a mezzanine board. Its low-profile design is optimized to fit seamlessly within a 1U rack-mounted unit.

Designed with precision engineering, the connector minimizes crosstalk between signal channels while offering ease of use through reflow solderability, making it both robust and production-friendly.



Electrical

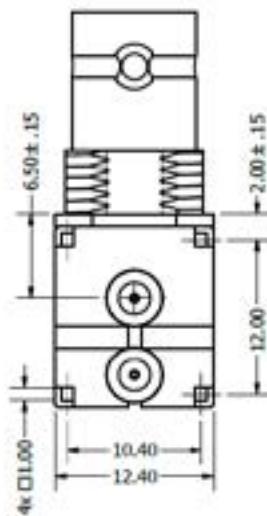
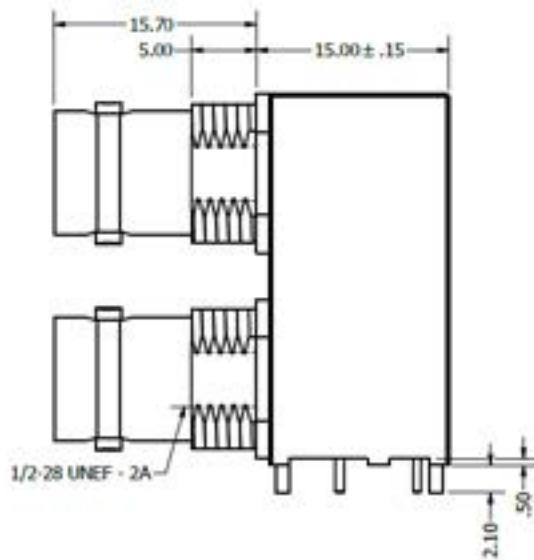
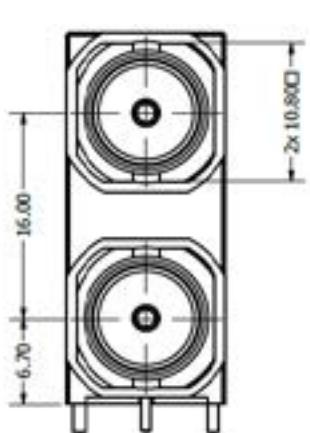
Impedance	75Ω				
Frequency Range	0-12GHz				
Working Voltage	500Vrms				
Reflection Factor (VSWR)	1.15 (max) 0-6GHz 1.43 (max) 6-12GHz				
Dielectric Withstanding Voltage	1500Vrms				
Insulation Resistance	\geq 5000MΩ				
Contact Resistance	<table border="1" data-bbox="452 1156 690 1253"> <tr> <td>Centre Contact</td><td>\leq 1.5mΩ</td></tr> <tr> <td>Outer Contact</td><td>\leq 1.0mΩ</td></tr> </table>	Centre Contact	\leq 1.5mΩ	Outer Contact	\leq 1.0mΩ
Centre Contact	\leq 1.5mΩ				
Outer Contact	\leq 1.0mΩ				

Materials

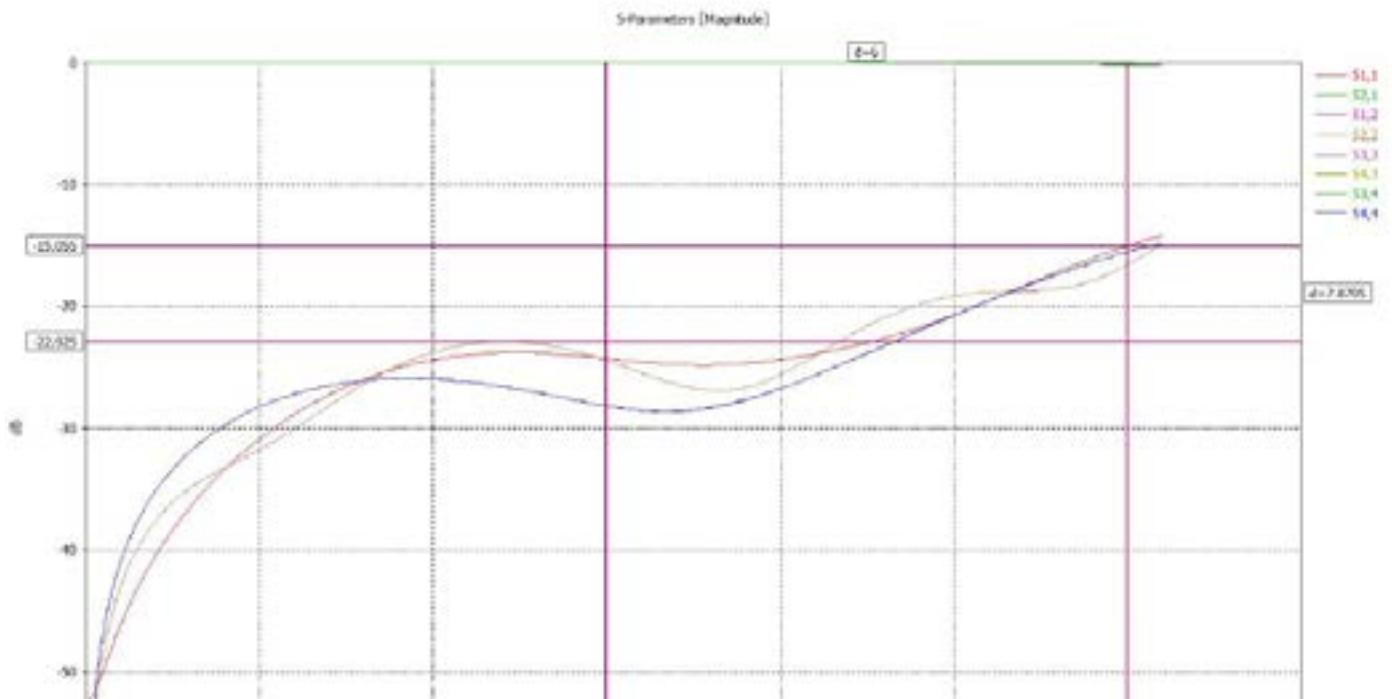
Centre Pin	BeCu / 10 μ "Au
Metal Parts	Brass/Ni
Insulators	PTFE

Environmental

Connector Type	BNC Female
Temp Range	-65 to +85°C
Mating Cycles	250



Return Loss Graph



PCB Layout and Panel Cutout

