

General Description

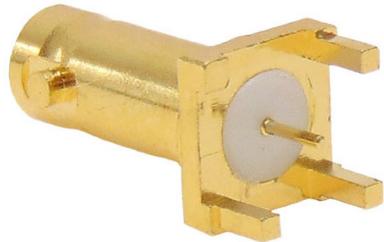
Our range of 12GHz Precision Micro BNC coaxial connectors are optimised for 4K/Quad HD and Ultra HD Broadcast applications whilst meeting the JIA CXP-12 CoaXPress specification. These high performance connectors allow you to achieve a 12GHz channel in one single connection. The Micro BNC connectors are mateable with any standard Micro BNC connector. The XPS-12-TE25-GGIL connector is a PCB top entry Micro BNC bulkhead which features 3 mounting pins and has a long body profile. The connector is suitable for PCB's up to 2.4mm thick.

This connector was formerly sold as:
[C-SX-153](#)



Electrical

Impedance	75Ω				
Frequency Range	0-12GHz				
Working Voltage	170Vrms				
Reflection Factor (VSWR)	1.04 (max) 0-6GHz 1.08 (max) 6-12GHz				
Dielectric Withstanding Voltage	500Vrms				
Insulation Resistance	$\geq 1000\text{M}\Omega$				
Contact Resistance	<table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td style="padding: 2px;">Centre Contact</td> <td style="padding: 2px;">$\leq 5.0\text{m}\Omega$</td> </tr> <tr> <td style="padding: 2px;">Outer Contact</td> <td style="padding: 2px;">$\leq 2.5\text{m}\Omega$</td> </tr> </table>	Centre Contact	$\leq 5.0\text{m}\Omega$	Outer Contact	$\leq 2.5\text{m}\Omega$
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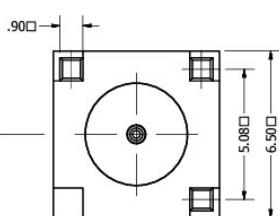
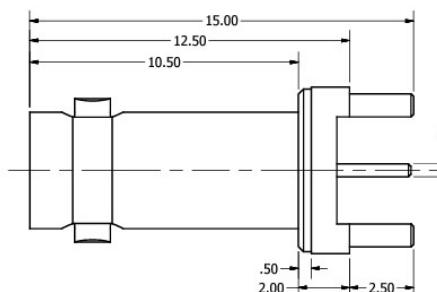
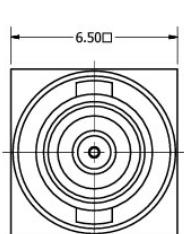
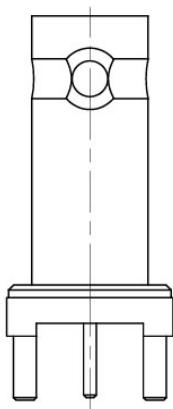


Materials

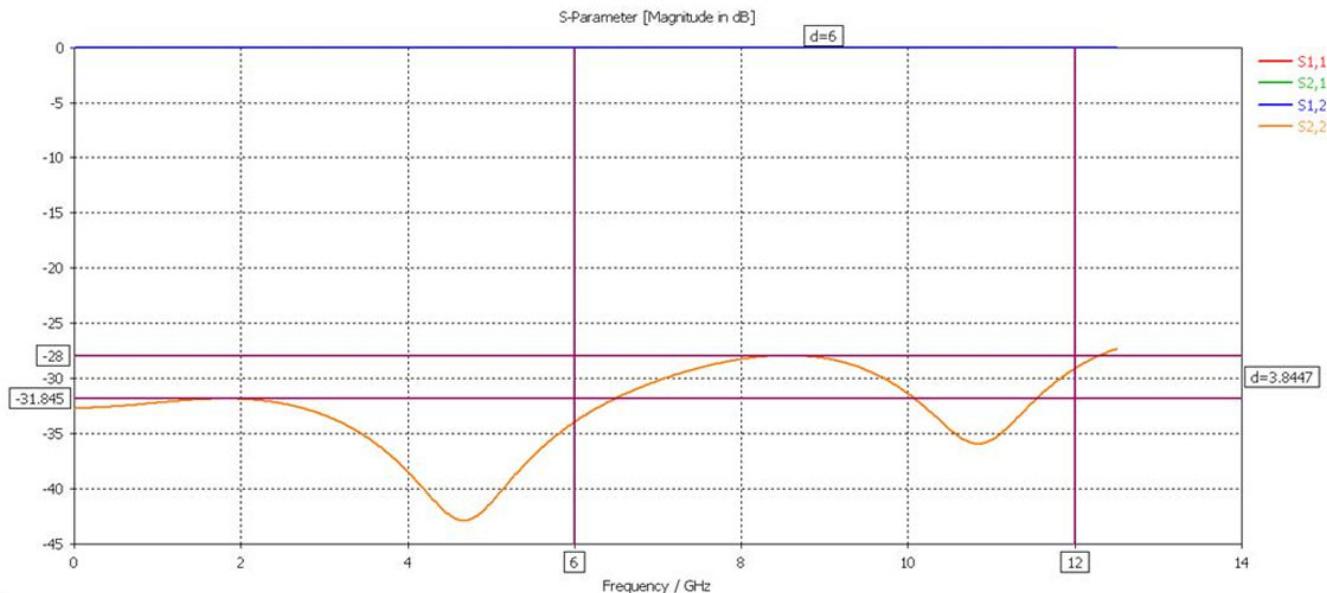
Centre Pin	BeCu / 10 $\mu\text{"Au}$
Metal Parts	Brass/Au
Insulators	PTFE

Environmental

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



Return Loss Graph



PCB Layout

