

General Description

Our range of 12GHz Precision BNC coaxial connectors are optimised for 4K/Quad HD and Ultra HD Broadcast applications and have been developed under the CoaxVision™ Brand name, while meeting the JIA CoaXPress specification. These high performance connectors allow you to achieve a 12GHz channel in one single connection. The XBS-12-TB41-NN connector is a top entry, five pin connector for bulkhead mounting. It is designed for a board thickness of up to 4.0mm.

This connector was formerly sold as:

C-SX-128 when supplied with AWB-S0-ZBN-0.50 and ANB-C2-ABN-2.50

C-SX-189 when supplied with AWB-S0-ZBN-0.50 and ANB-C2-ABN-3.50

C-SX-190 as a connector only part



Electrical

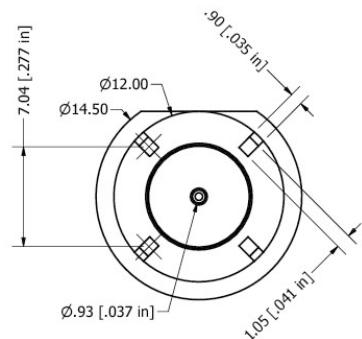
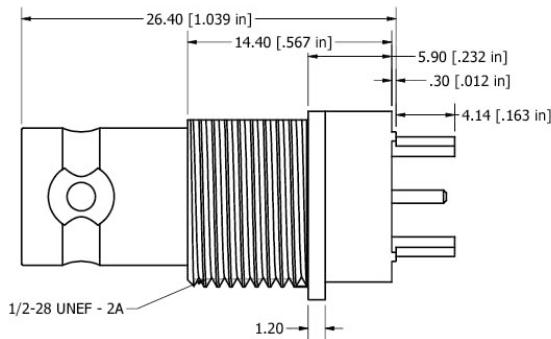
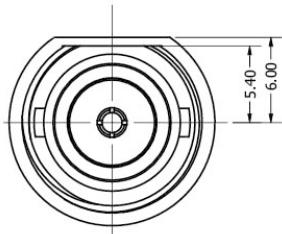
Impedance	75Ω				
Frequency Range	0-12GHz				
Working Voltage	500Vrms				
Reflection Factor (VSWR)	1.04 (max) 0-6GHz 1.08 (max) 6-12GHz				
Dielectric Withstanding Voltage	1500Vrms				
Insulation Resistance	≥5000MΩ				
Contact Resistance	<table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td>Centre Contact</td> <td>≤ 1.5mΩ</td> </tr> <tr> <td>Outer Contact</td> <td>≤ 1.0mΩ</td> </tr> </table>	Centre Contact	≤ 1.5mΩ	Outer Contact	≤ 1.0mΩ
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Materials

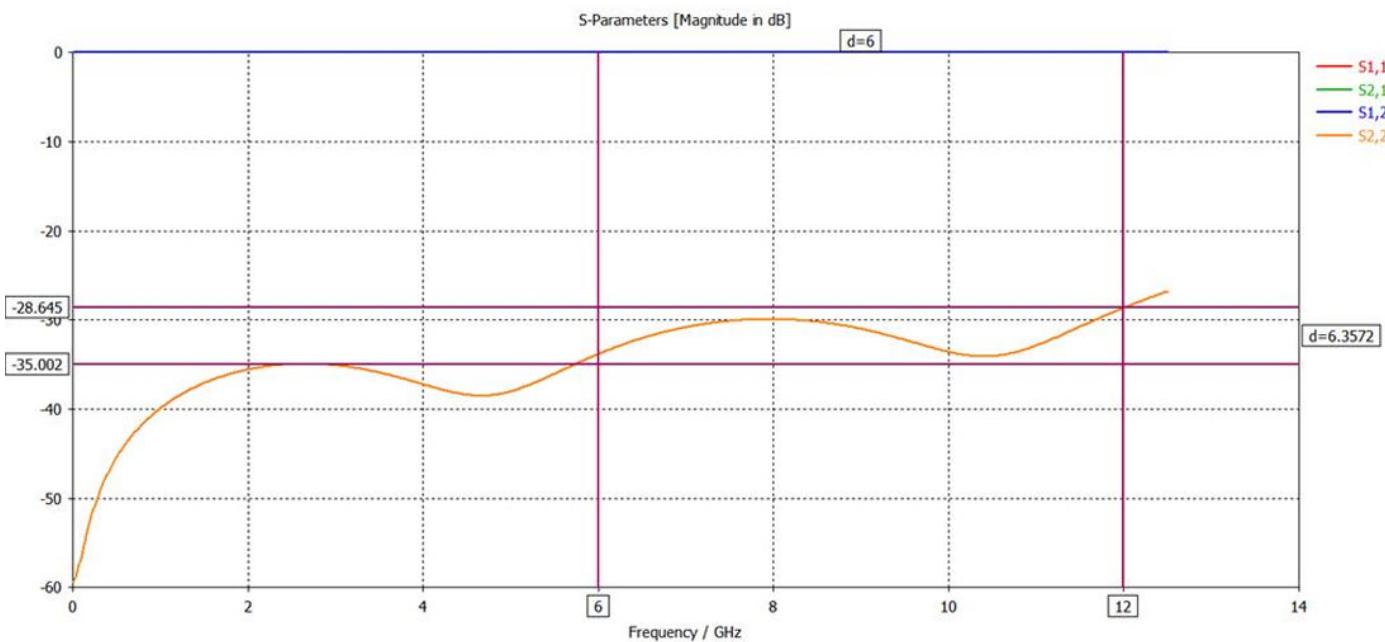
Centre Pin	PhosBronze / 10 μ" Au
Metal Parts	Brass/Ni
Insulators	PTFE - UL 94 V-0

Environmental

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



Return Loss Graph



PCB Layout and Panel Cutout

