

General Description

With a light weight construction this 12 GHz surface mount Micro BNC Coaxial Connector is specifically designed to aid automated placement techniques universally adopted in volume production processes. This Right Angle Surface Mounting Micro BNC connector from Cambridge Electronic Industries facilitates transmission rates over a single channel of up to 12 Gbits/s and complies to both the 4K/Quad HD and Ultra HD broadcast standards as well as the JIIA CXP-12 CoaXPress specification. The XPS-12-RB16-GNHP is designed for PCB thickness of 1.6mm and is also available in a tape and reel format of 300 pieces as part number XPS-12-RB16-GNEHP.

This connector was formerly sold as:
C-SX-201 when supplied with ANP-C2-CBN-1.60

Electrical

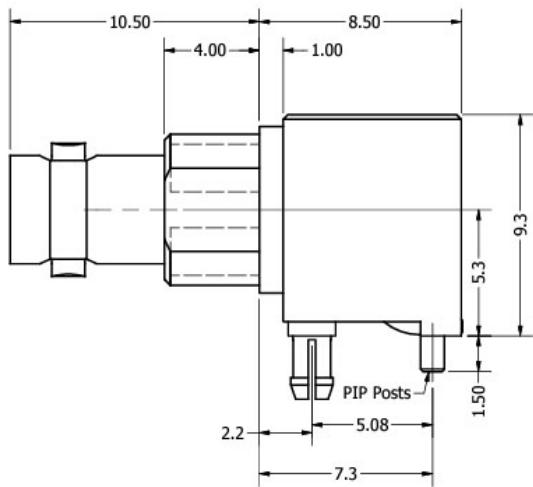
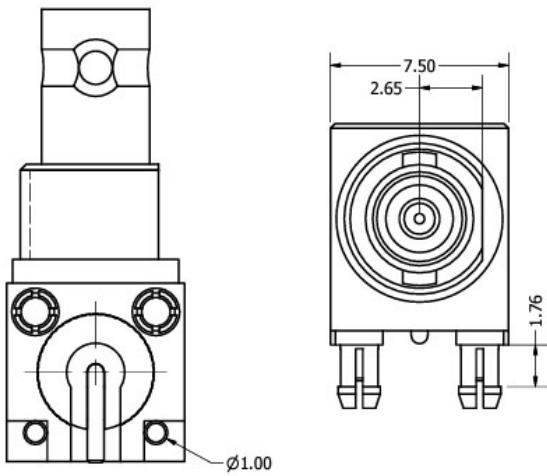
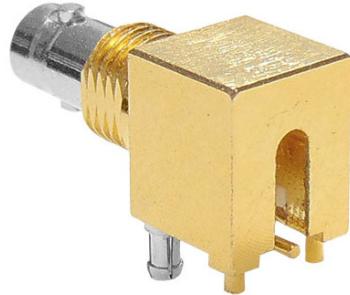
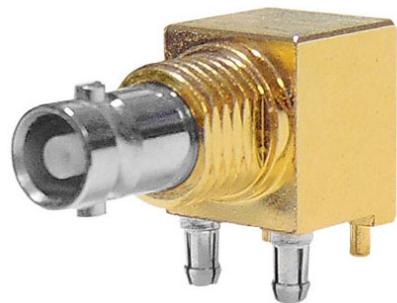
Impedance	75Ω				
Frequency Range	0-12GHz				
Working Voltage	170Vrms				
Reflection Factor (VSWR)	1.23 (max) 0-6GHz 1.82 (max) 6-12GHz				
Dielectric Withstanding Voltage	500Vrms				
Insulation Resistance	$\geq 1000\text{M}\Omega$				
Contact Resistance	<table border="1" data-bbox="452 1179 690 1262"> <tr> <td>Centre Contact</td> <td>$\leq 5.0\text{m}\Omega$</td> </tr> <tr> <td>Outer Contact</td> <td>$\leq 2.5\text{m}\Omega$</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/Ni
Insulators	PTFE

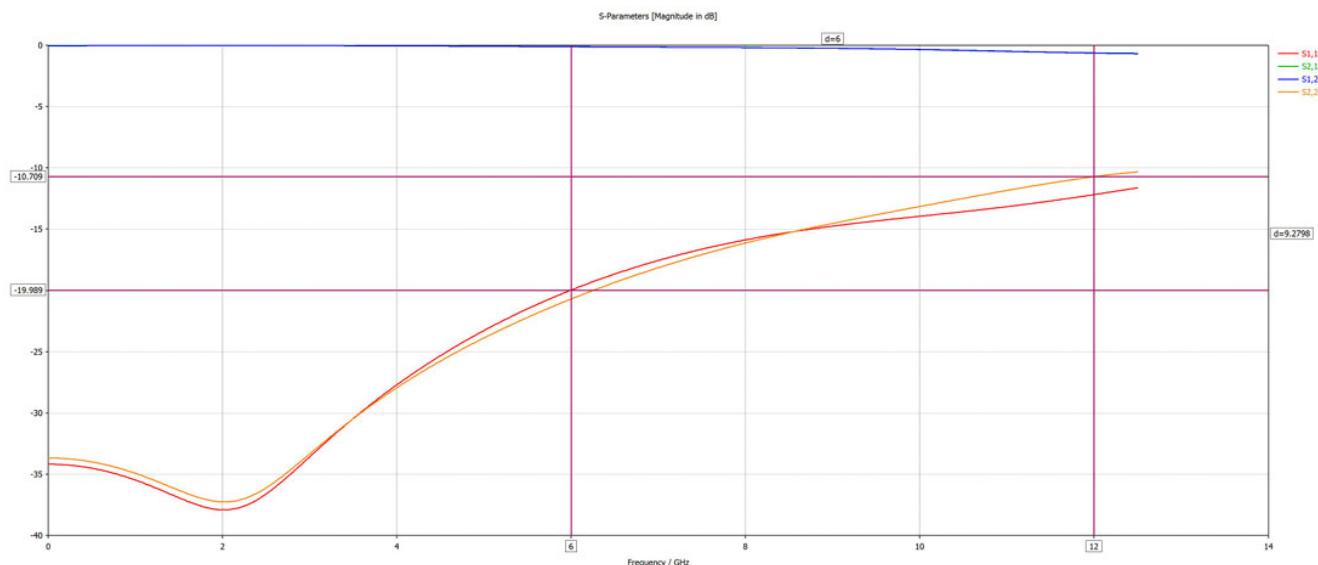
Environmental

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



Return Loss Graph

Connector & PCB



PCB Layout

