

## General Description

With a light weight construction and flat top surface this 12 GHz surface mount Micro BNC Coaxial Connector is specifically designed to aid automated placement techniques universally adopted in volume production processes. This End Launch Surface Mounting Micro BNC connector from Cambridge Electronic Industries facilitates transmission rates over a single channel of up to 12 Gbits/s thus permitting significantly increased wiring densities. The connector is also available in a tape and reel format of 650 pieces as the XPS-12-EL16-NNEHP.

This connector was formerly sold as:  
 C-SX-200 when supplied with ANP-C2-CBN-1.60



## Electrical

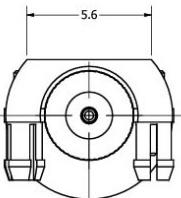
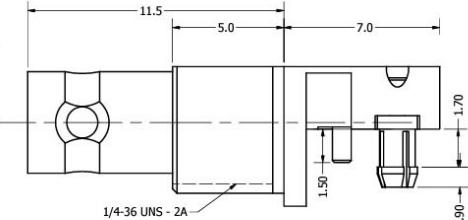
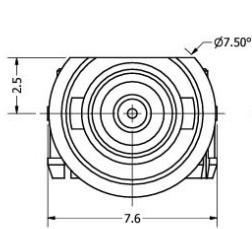
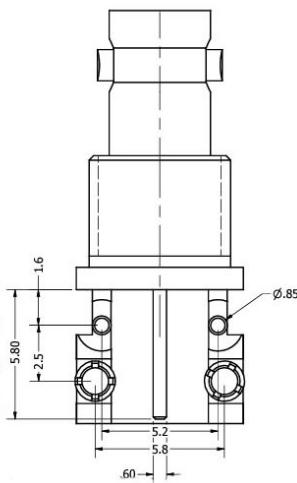
Impedance	75Ω				
Frequency Range	0-12GHz				
Working Voltage	170Vrms				
Reflection Factor (VSWR)	1.05 (max) 0-6GHz 1.09 (max) 6-12GHz				
Dielectric Withstanding Voltage	500Vrms				
Insulation Resistance	$\geq 1000M\Omega$				
Contact Resistance	<table border="1"> <tr> <td>Centre Contact</td><td><math>\leq 5.0m\Omega</math></td></tr> <tr> <td>Outer Contact</td><td><math>\leq 2.5m\Omega</math></td></tr> </table>	Centre Contact	$\leq 5.0m\Omega$	Outer Contact	$\leq 2.5m\Omega$
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## Materials

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

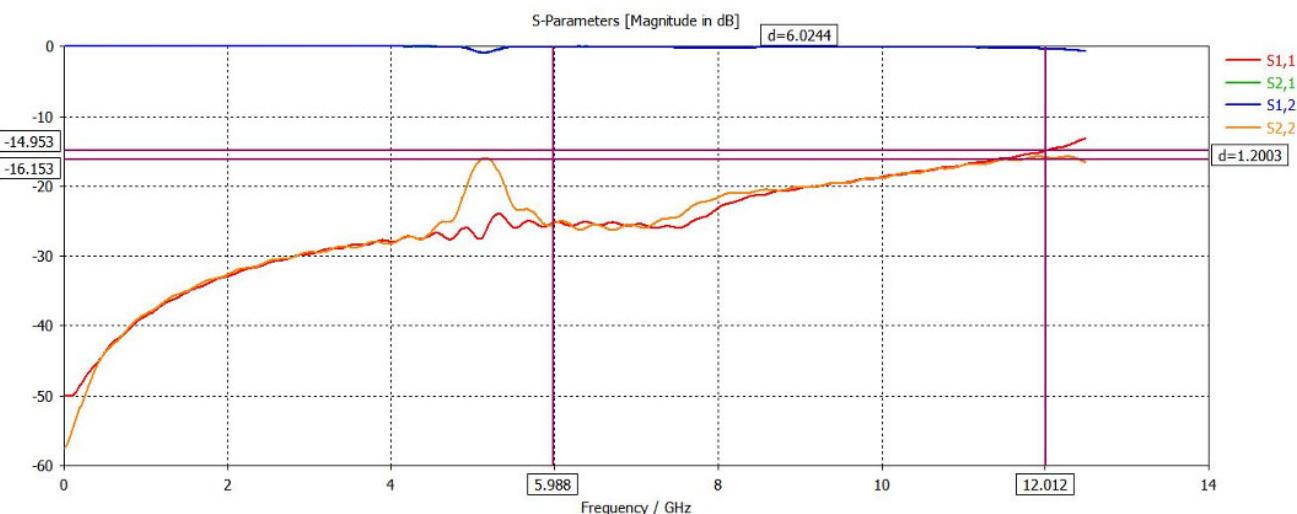
## Environmental

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



## Return Loss Graph

Connector Including PCB Element



## PCB Layout

