

General Description

This precision 75Ω BNC Connector is a right angle mounted PCB connector with a selection of different leg lengths available. It also features Pathfinder™ light pipe technology which aids port identification. With a centre line of 4mm above the board, its low profile permits closer packing densities of daughter boards, which allows reduction in the bulk of routing and switching equipment.

This connector was formerly sold as [C-SX-101](#)



Electrical

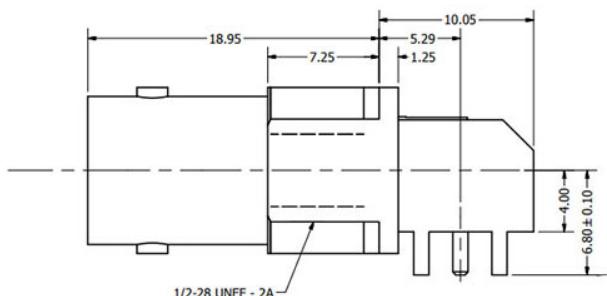
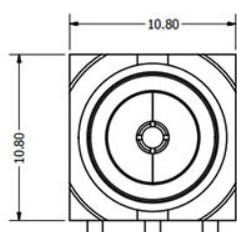
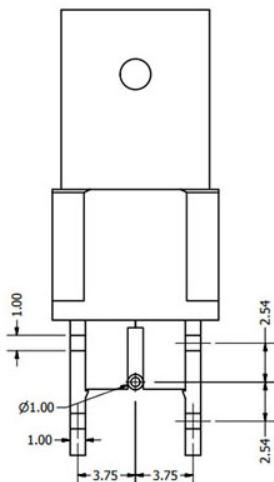
Impedance	75Ω				
Frequency Range	0-3GHz				
Working Voltage	500Vrms				
Reflection Factor (VSWR)	1.06 (max) 0-1.5GHz 1.33 (max) 1.5-3GHz				
Dielectric Withstanding Voltage	1500Vrms				
Insulation Resistance	$\geq 5000\text{M}\Omega$				
Contact Resistance	<table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td style="padding: 2px;">Centre Contact</td> <td style="padding: 2px;">$\leq 1.5\text{m}\Omega$</td> </tr> <tr> <td style="padding: 2px;">Outer Contact</td> <td style="padding: 2px;">$\leq 1.0\text{m}\Omega$</td> </tr> </table>	Centre Contact	$\leq 1.5\text{m}\Omega$	Outer Contact	$\leq 1.0\text{m}\Omega$
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Materials

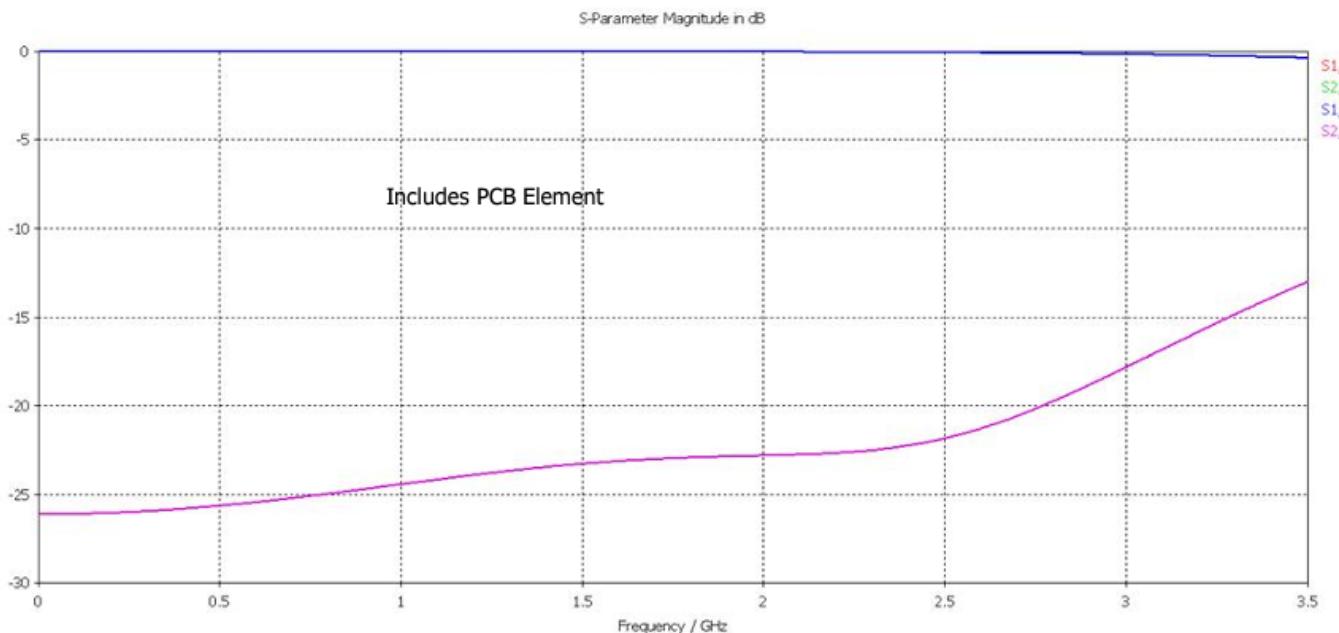
Centre Pin	PhosBronze / 10 $\mu\text{"Au}$
Metal Parts	Die Cast Zinc/Ni
Insulators	UL94 HB TPX

Environmental

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

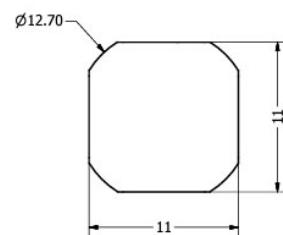
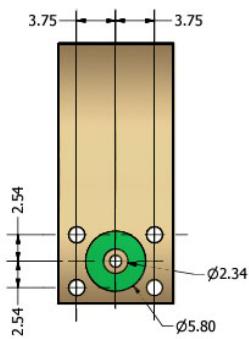
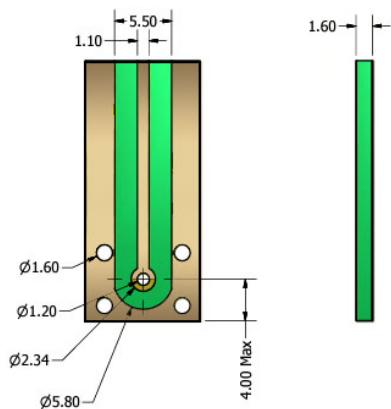


Return Loss Graph



PCB Layout and Panel Cutout

Suggested PCB Layout
Approx 75 Ohms



Recommended Cutout