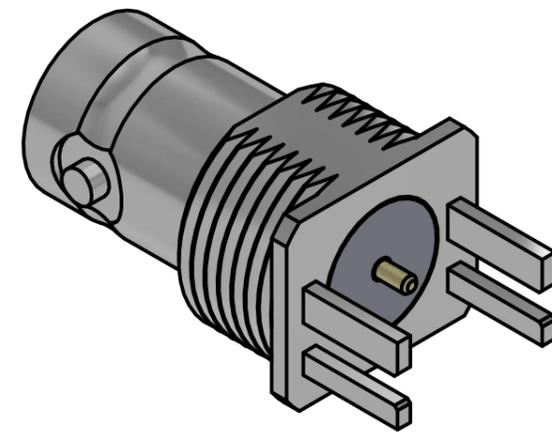


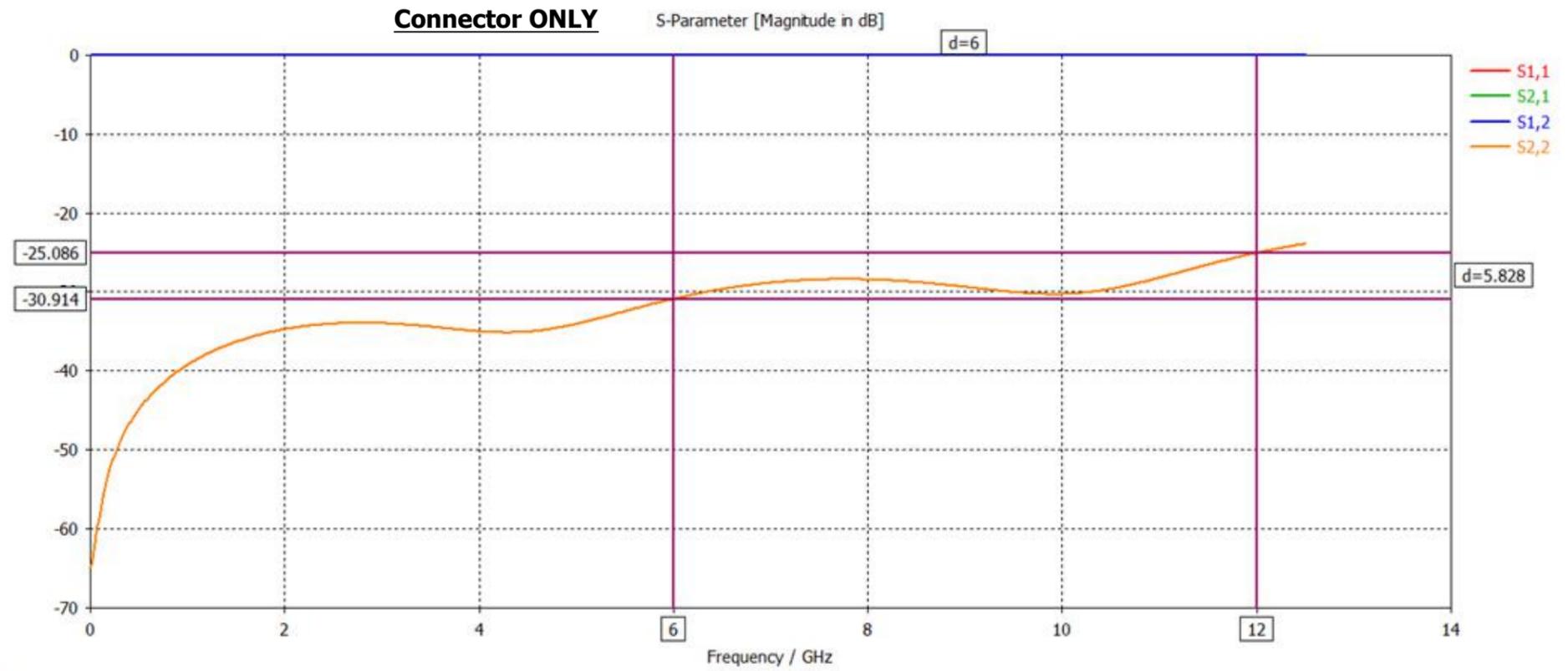
Recommended Panel Cut Out



REVISION HISTORY			
REV	DESCRIPTION	DATE	DESIGNER
3.0	Updated P/N	02 Apr 2024	Peter Millard
3.1	Updated Body	20 Jan 2025	Peter Millard
3.2	Added Clarification to Body	04 Jun 2025	Peter Millard

Design Right Protected <small>Third Angle Projection</small> 	Material:	Finish:	Gen Tol ±0.10	DO NOT SCALE	
	Designed by Peter Fayers			Checked by	Approved by
RoHS Compliant 		<small>This document and all the data contained herein is and shall remain the property of Cambridge Electronic Industries Ltd and may not be used or copied for any purpose whatsoever without the written permission of Cambridge Electronic Industries Ltd.</small>		Description: 12GHz 75 ohm BNC Female Bulkhead Edge Mount Connector for 1.6mm PCB	
		Part No: XBS-12-EB16-NNS Cust		Issue 3.2	Sheet 1 / 2

A3



Electrical:

Impedance 75 Ohms
 Freq Range 0-12.0 GHz
 Working Voltage 500 Vrms
 Dielectric withstanding voltage 1500 Vrms
 Reflection Factor (VSWR) 1.12 MAX 0-12.0 GHz

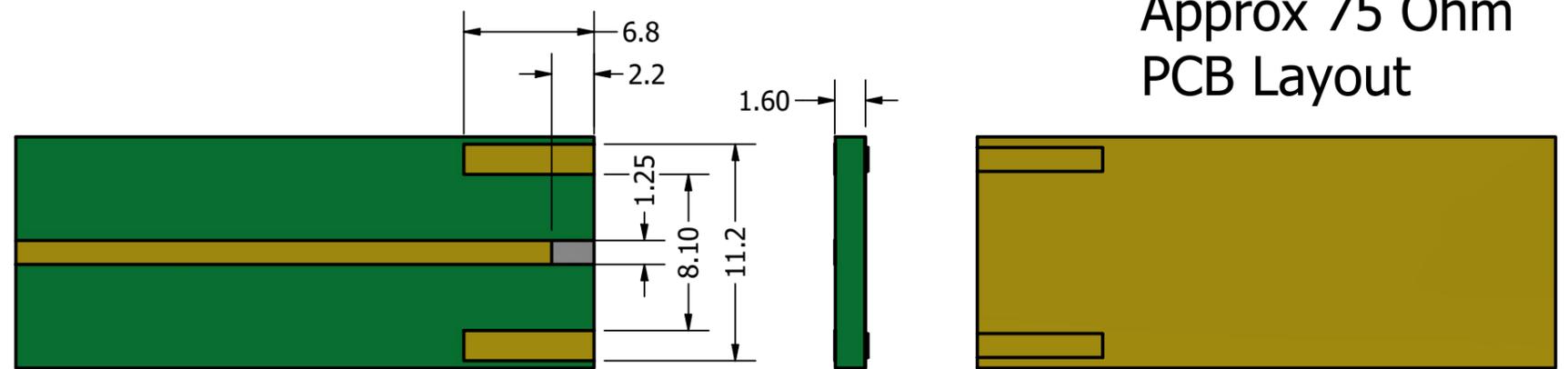
Contact Resistance Center Contact 1.5 m Ohm
 Outer Contact 1.0 m Ohm
 Insulation Resistance >5000 Meg Ohm

Materials:

Center Pin Phos Bronze / 10μ" Au
 Metal Parts Brass / Au or Ni Plate
 Insulators PTFE

Enviromental:

Temp Ranges -65 to +85°C
 Mating Cycles 200



Suggested PCB layout intended as starting point for design iteration

Design Right Protected	Material:	Finish:	Gen Tol ±0.10	DO NOT SCALE	
	Unit of Measure: millimeters (mm)			©2024	Date 18 Dec 2013
Third Angle Projection	Designed by Peter Fayers	Checked by	Approved by		
RoHS Compliant	CAMBRIDGE ELECTRONIC INDUSTRIES	This document and all the data contained herein is and shall remain the property of Cambridge Electronic Industries Ltd and may not be used or copied for any purpose whatsoever without the written permission of Cambridge Electronic Industries Ltd.		Description: 12GHz 75 ohm BNC Female Bulkhead Edge Mount Connector for 1.6mm PCB	
		Part No: XBS-12-EB16-NNS Cust		Issue 3.2	Sheet 2 / 2