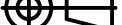



REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
3.0	Updated P/N	25 Nov 2024	Peter Millard

Design Right Protected	Material:		Finish:		Gen Tol ±0.10 Angular ±2°	DO NOT SCALE	
						Unit of Measure: millimeters (mm)	
Third Angle Projection 	Designed by P. Fayers	Checked by		Approved by	©2024	Date 09 Jan 2008	A3
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: 3GHz 75 ohm BNC Female Bulkhead R/A PCB Connector 8mm leg with light pipe		
					Part No: XBS-03-RB40-NNV Cust		

Electrical:

Impedance	75 Ohms
Freq Range	0-12.0 GHz
Working Voltage	500 Vrms
Dielectric withstanding voltage	1500 Vrms
Reflection Factor (VSWR)	1.15 MAX 0.0-1.5 GHz 1.33 MAX 1.6-3.2 GHz
Contact Resistance	Center Contact 1.5 m Ohm Outer Contact 1.0 m Ohm
Insulation Resistance	>5000 Meg Ohm

Materials:

Center Pin	Phosphor Bronze / 10μ" Au
Metal Parts	Die Cast Zinc/ 70μ" Ni Plate
Insulators	TPX

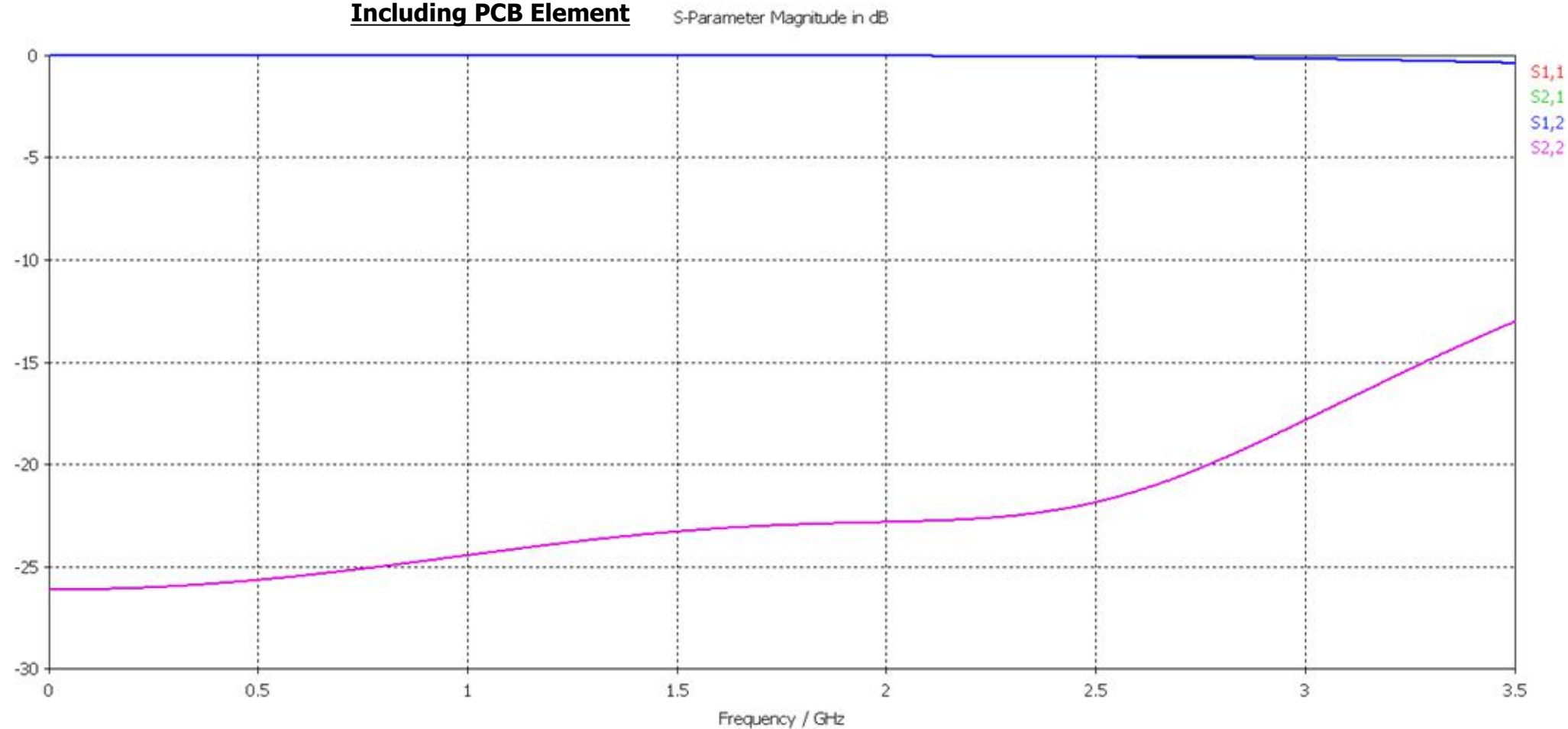
Enviromental:

Temp Ranges	-65 to +85°C
Mating Cycles	250
Vibration	MIL-STD-202 Method 204 test condition B
Salt Spray	MIL-STD-202 Method 101 test condition B

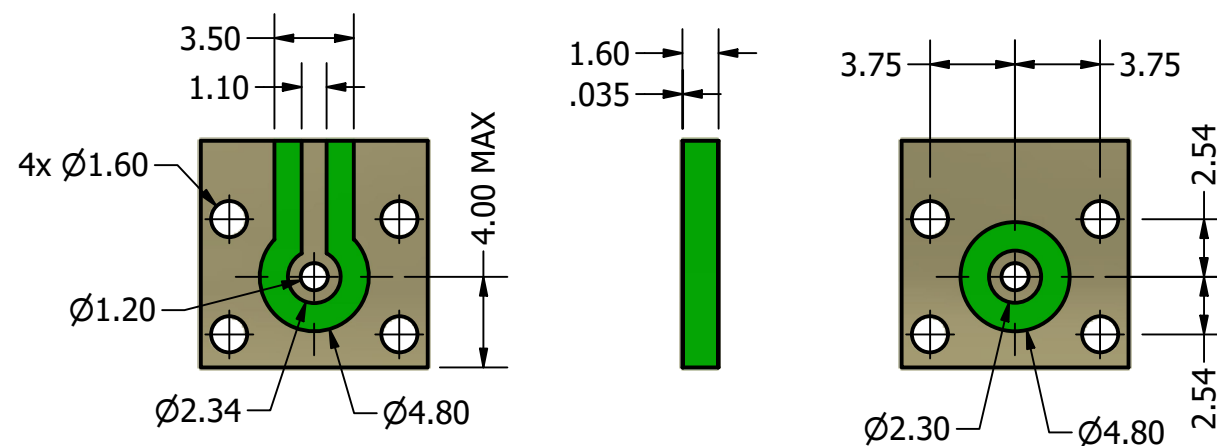
Processing:

Hand solder	265° MAX
Wave solder	265° MAX Dwell time 10-12 Seconds

Including PCB Element



Suggested PCB layout intended as starting point for design iteration



Design Right Protected	Material:		Finish:		Gen Tol ±0.10 Angular ±2°	DO NOT SCALE	
	Designed by P. Fayers		Checked by		Approved by	©2024 09 Jan 2008	Unit of Measure: millimeters (mm)
Third Angle Projection	Description: 3GHz 75 ohm BNC Female Bulkhead R/A PCB Connector 8mm leg with light pipe		Part No: XBS-03-RB40-NNV Cust		Issue 3.0		Sheet 2 / 2
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.				