

SECTION B-B
SCALE 4 : 1

DETAIL A
SCALE 8 : 1

Recommended PCB Footprint

Recommended Panel Cut Out

REVISION HISTORY				
REV	DESCRIPTION	CHG REF	DATE	DESIGNER
3.0	Updated P/N	FB / INT	08 Apr 2024	Peter Millard
3.1	Tol Update	FB / SUP	24 Jun 2024	Peter Millard
3.2	Body Plating Update	FB / INT	31 Jul 2024	Peter Millard
3.3	Updated Harpoons	FB / INT	17 Oct 2024	Peter Millard
3.4	Reverted 3.3 Change	FB / SUPP	28 Oct 2024	Peter Millard
3.5	Increase tol on press fits	FB / SUPP	14 Jan 2025	Peter Millard

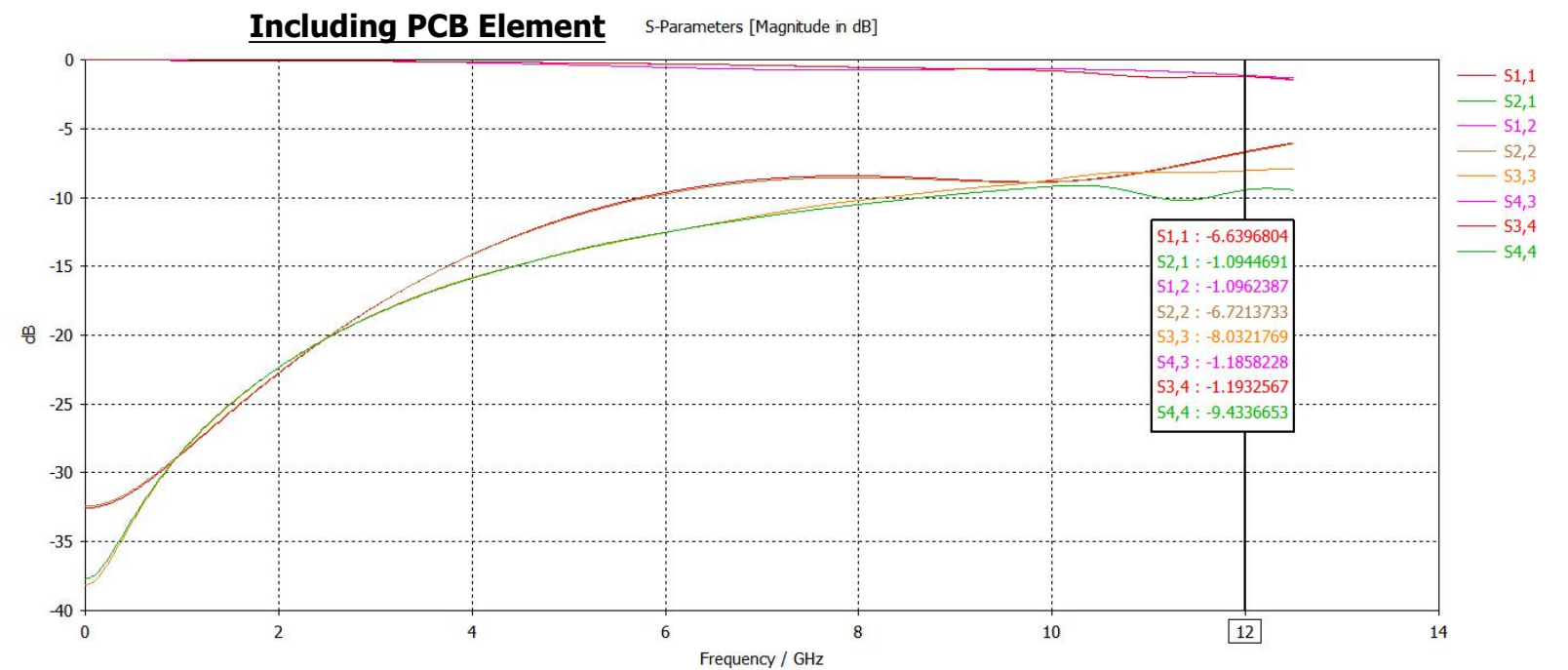
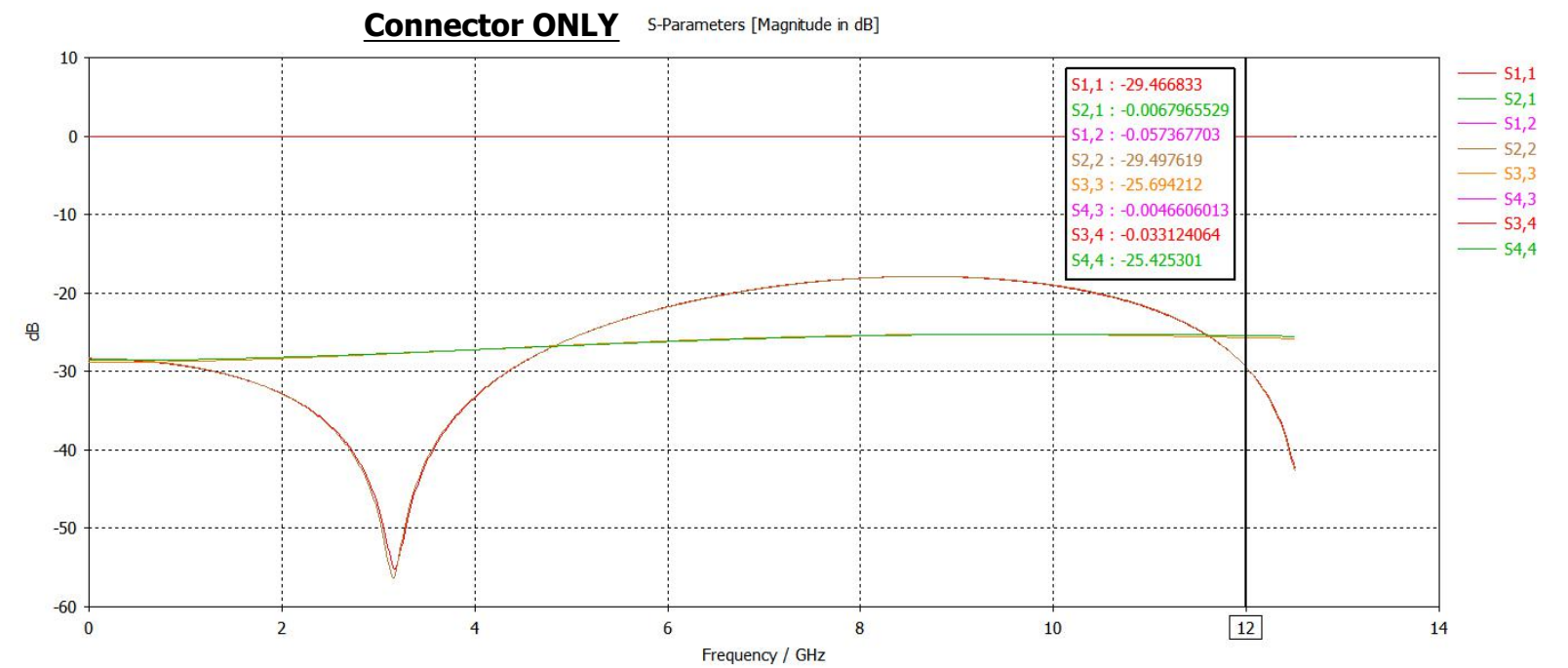
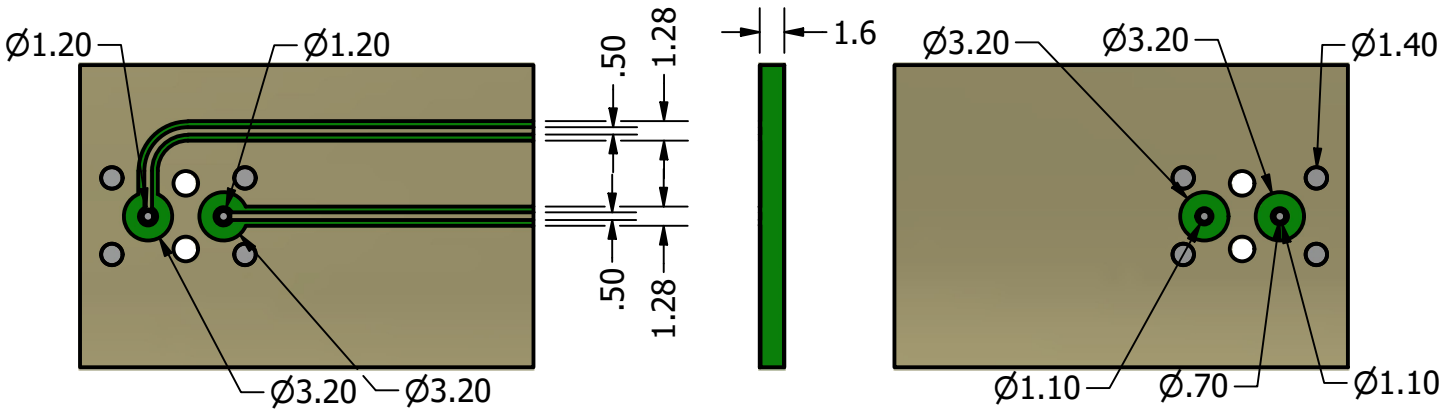
Design Right Protected	Material:		Finish:		Gen Tol ±0.10	DO NOT SCALE	
	Designed by Peter Fayers		Checked by		©2024	Date 20 Apr 2021	A3
RoHS Compliant	CAMBRIDGE ELECTRONIC INDUSTRIES		Description: 12GHz Dual Micro BNC connector with 1.825 PiP harpoons		Part No: XPS-12-RB15-GNDHP Cust		Issue 3.5
	This 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.				Sheet 1 / 3		



Electrical:	
Impedance	75 Ohms
Freq Range	0-25.0 GHz
Working Voltage	170 Vrms
Dielectric withstanding voltage	750 Vrms
Reflection Factor (VSWR)	1.30 Max 0.0-12.0 GHz
Contact Resistance	Center Contact 4.0 m Ohm Outer Contact 2.5 m Ohm
Insulation Resistance	> 1000 Meg Ohm

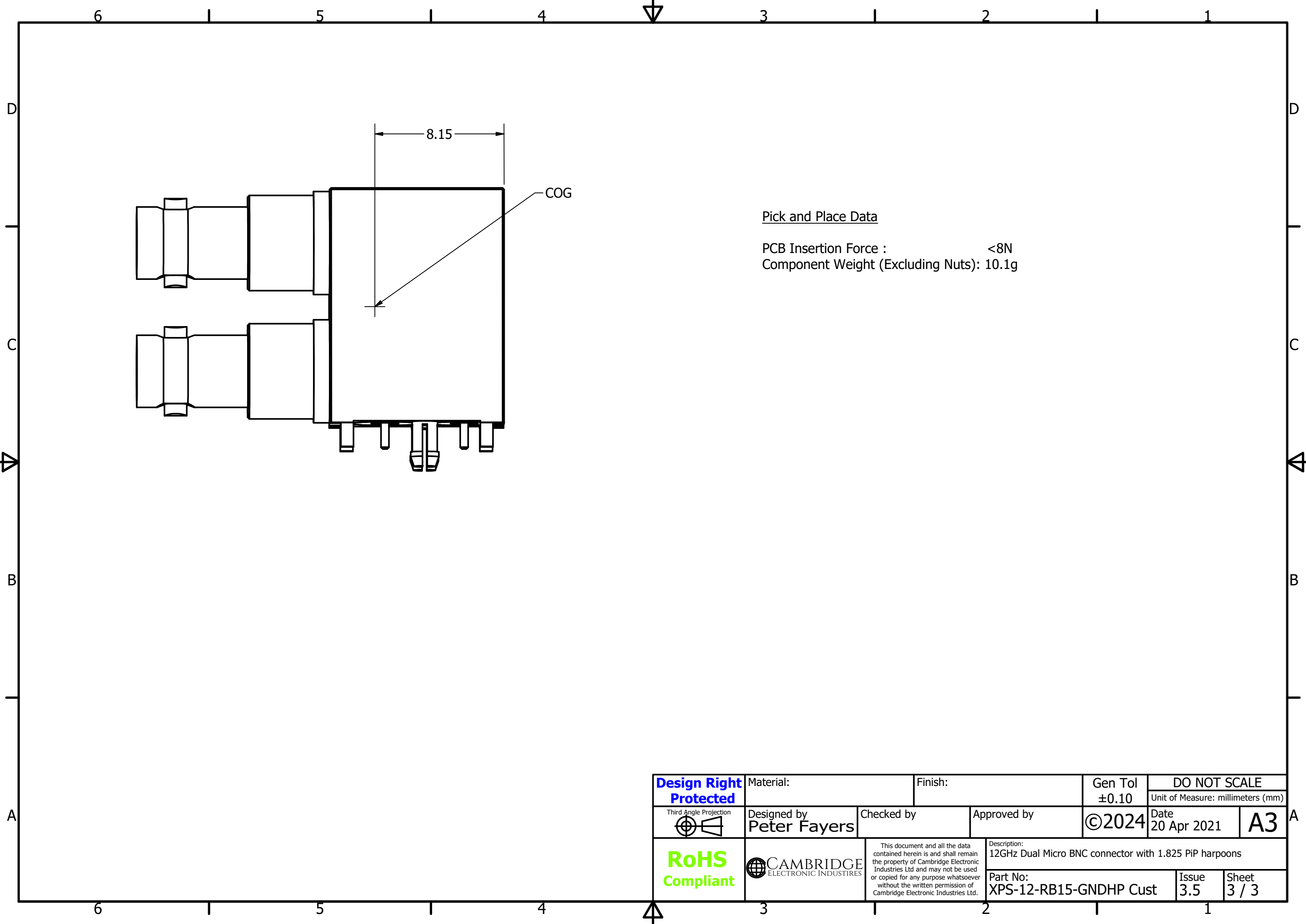
Center Pin	BeCu/10μ Au
Metal Parts	Brass / Au or Ni
Insulators	PTFE
Mass	10.1g

Temp Ranges: -65 to +85°C

Mating Cycles: 500





Design Right Protected	Material: GFRC		Finish:		Gen Tol ±0.10	DO NOT SCALE	
						Unit of Measure: millimeters (mm)	
Third Angle Projection 	Designed by Peter Fayers	Checked by	Approved by	©2024	Date 20 Apr 2021	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: 12GHz Dual Micro BNC connector with 1.825 PiP harpoons			
				Part No: XPS-12-RB15-GNDHP Cust		Issue 3.5	Sheet 2 / 3



Pick and Place Data

PCB Insertion Force : <8N
Component Weight (Excluding Nuts): 10.1g

Design Right Protected	Material:		Finish:		Gen Tol ±0.10	DO NOT SCALE	
						Unit of Measure: millimeters (mm)	
Third Angle Projection 	Designed by Peter Fayers	Checked by		Approved by	©2024	Date 20 Apr 2021	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: 12GHz Dual Micro BNC connector with 1.825 PiP harpoons		
					Part No: XPS-12-RB15-GNDHP Cust		Issue 3.5 Sheet 3 / 3