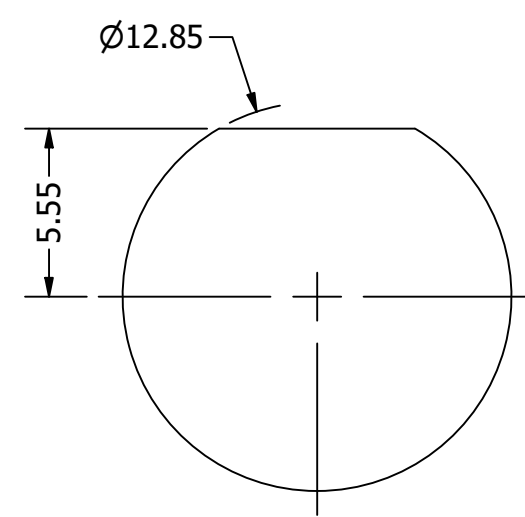
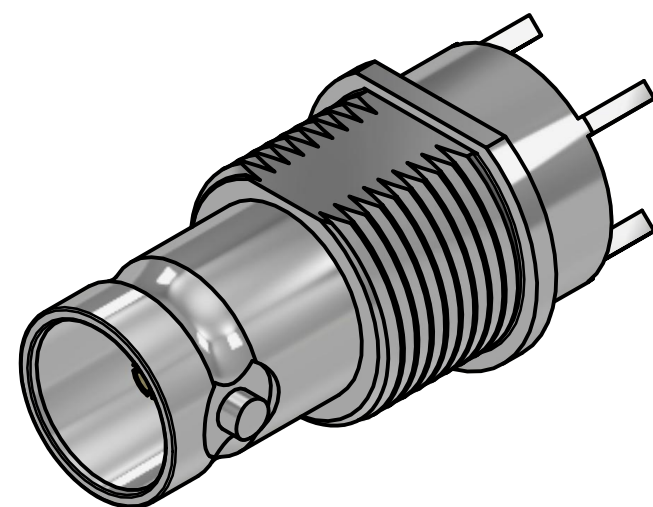
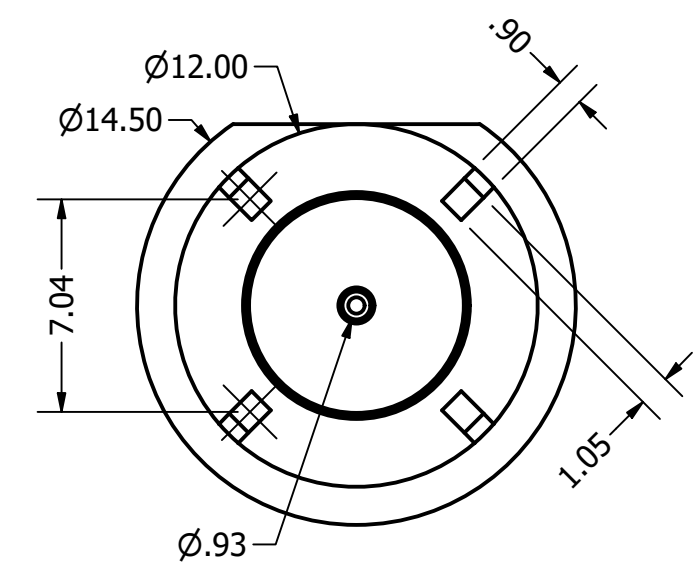
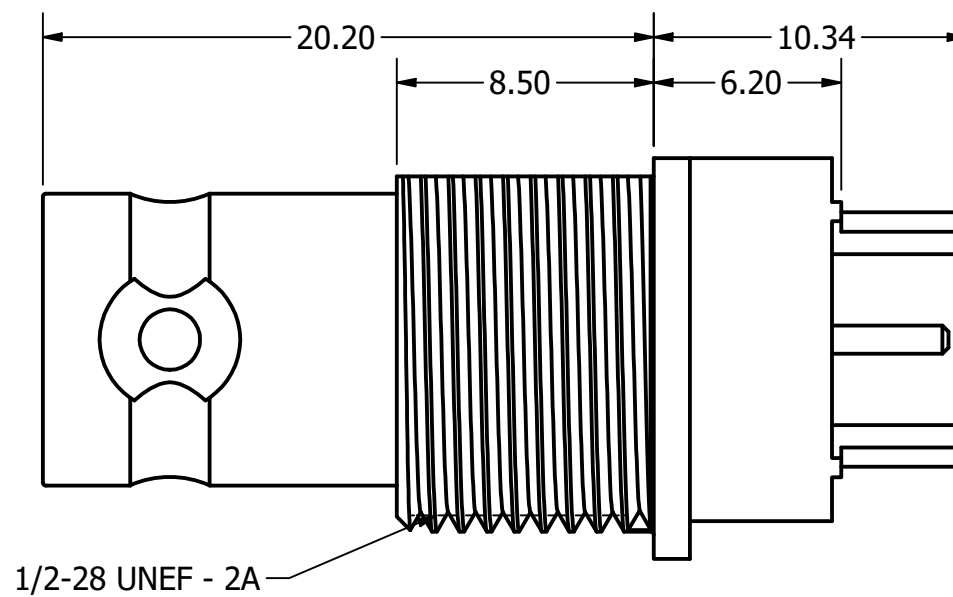
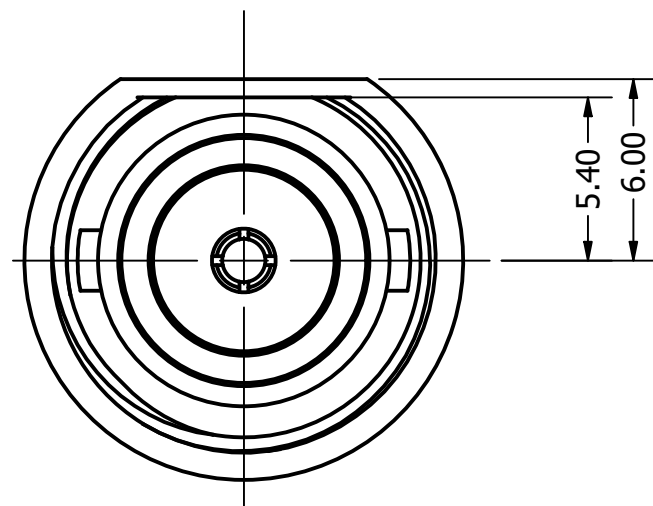
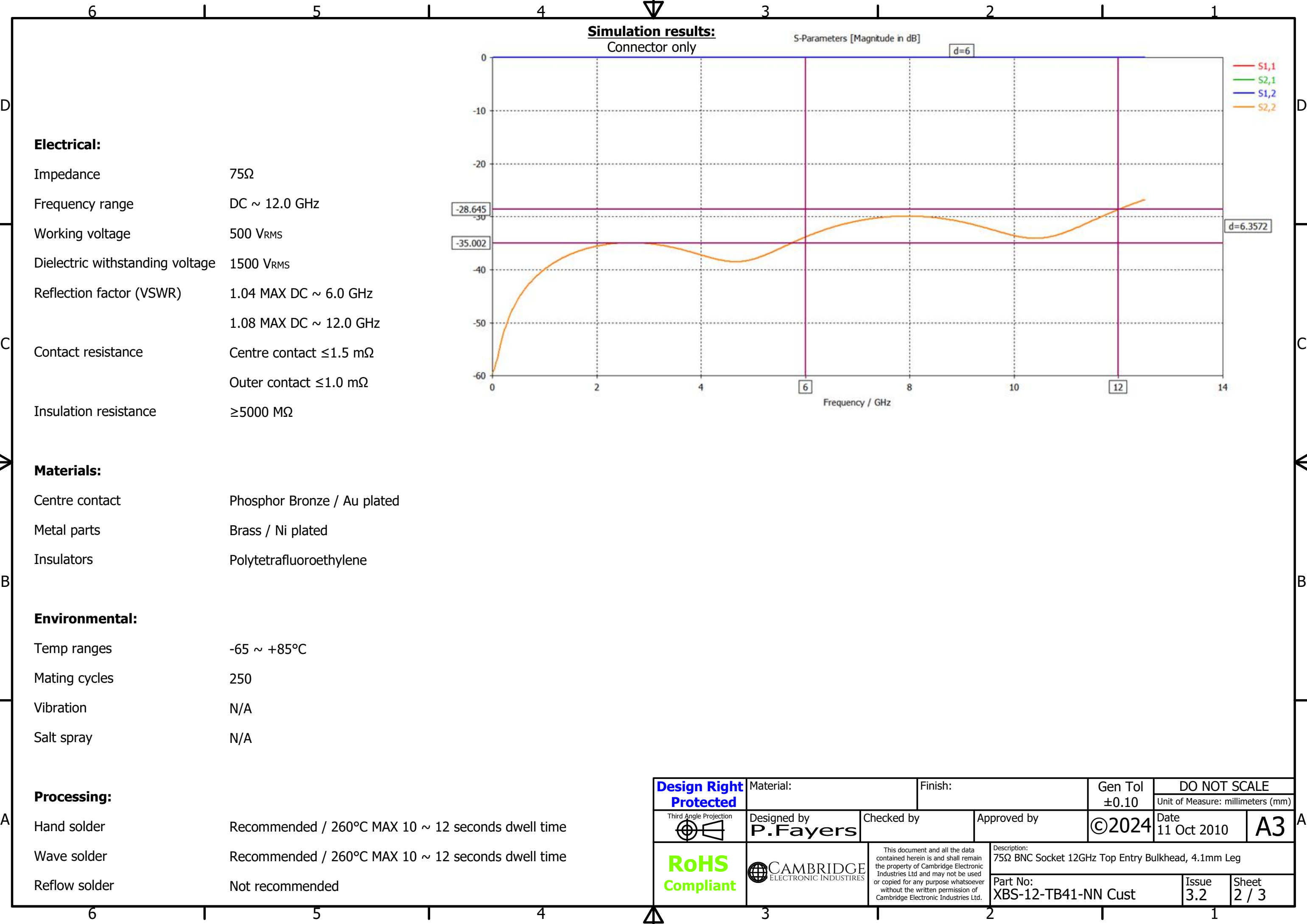




Recommended panel cutout

REVISION HISTORY			
REV	DESCRIPTION	DATE	DESIGNER
3.0	Updated P/N	15 Feb 2024	Peter Millard
3.1	Added clarifications to ICT	16 Apr 2025	Peter Millard
3.2	Updated PCB Layout	22 Apr 2025	Peter Millard

Design Right Protected	Material:		Finish:		Gen Tol ±0.10	DO NOT SCALE	
						Unit of Measure: millimeters (mm)	
Third Angle Projection 	Designed by P.Fayers	Checked by		Approved by		©2024 Date 11 Oct 2010	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: 75Ω BNC Socket 12GHz Top Entry Bulkhead, 4.1mm Leg		
					Part No: XBS-12-TB41-NN Cust		Issue 3.2 Sheet 1 / 3



Electrical:

Impedance	75Ω
Frequency range	DC ~ 12.0 GHz
Working voltage	500 V _{RMS}
Dielectric withstanding voltage	1500 V _{RMS}
Reflection factor (VSWR)	1.04 MAX DC ~ 6.0 GHz 1.08 MAX DC ~ 12.0 GHz
Contact resistance	Centre contact ≤1.5 mΩ Outer contact ≤1.0 mΩ
Insulation resistance	≥5000 MΩ

Materials:

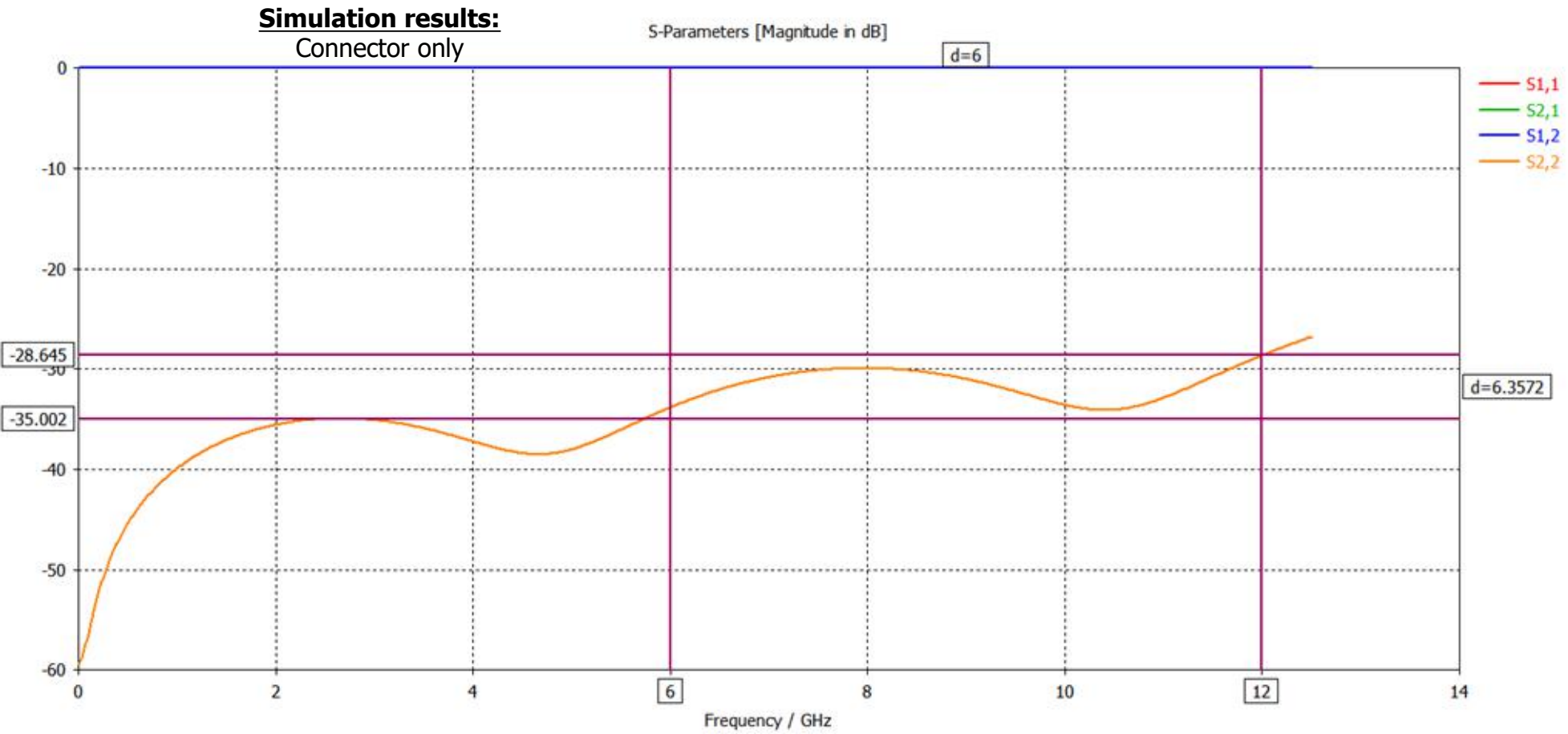
Centre contact	Phosphor Bronze / Au plated
Metal parts	Brass / Ni plated
Insulators	Polytetrafluoroethylene

Environmental:

Temp ranges	-65 ~ +85°C
Mating cycles	250
Vibration	N/A
Salt spray	N/A

Processing:

Hand solder	Recommended / 260°C MAX 10 ~ 12 seconds dwell time
Wave solder	Recommended / 260°C MAX 10 ~ 12 seconds dwell time
Reflow solder	Not recommended



Design Right Protected	Material:		Finish:		Gen Tol ±0.10	DO NOT SCALE		
						Unit of Measure: millimeters (mm)		
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