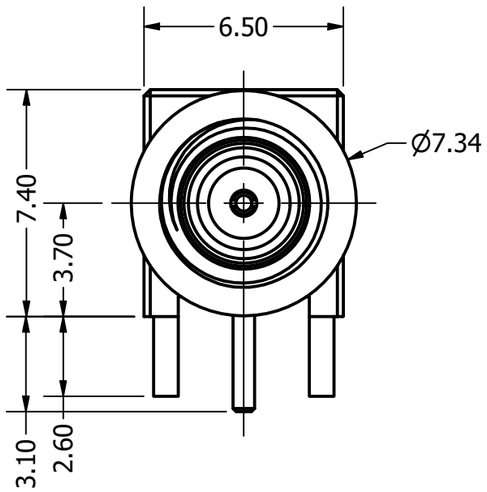
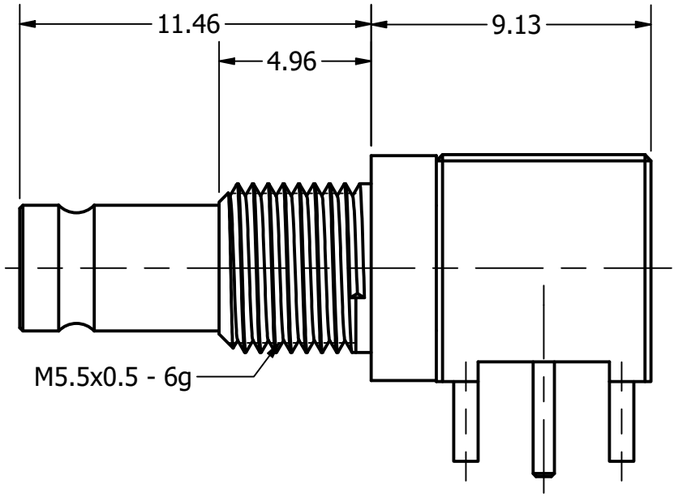
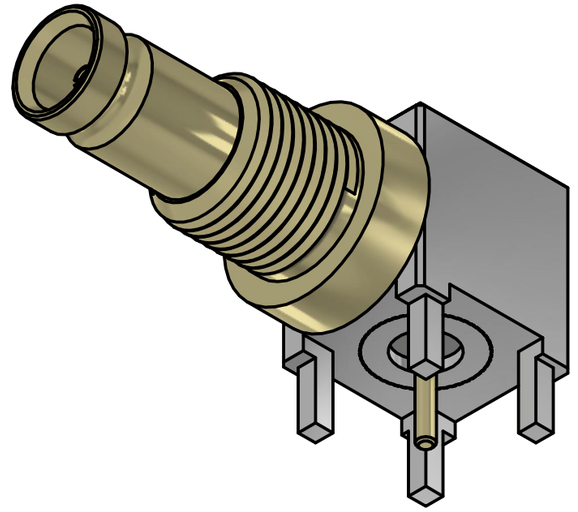
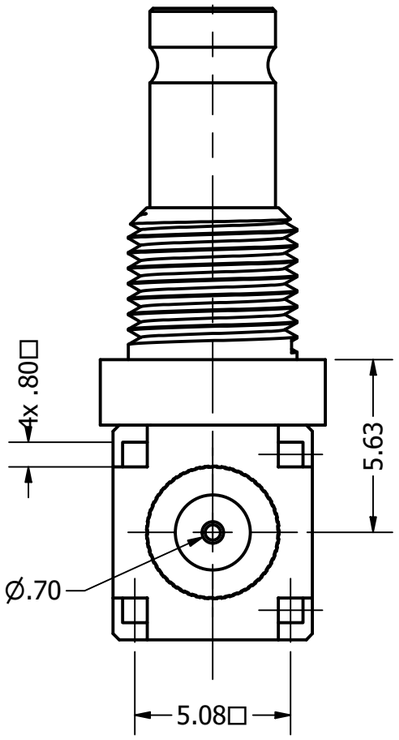
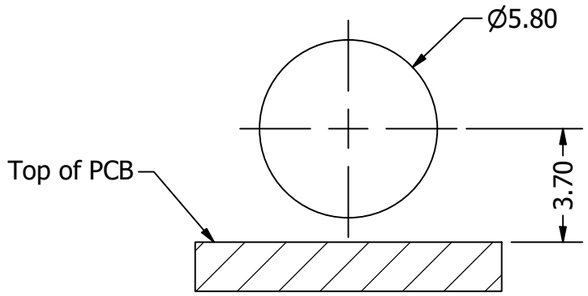




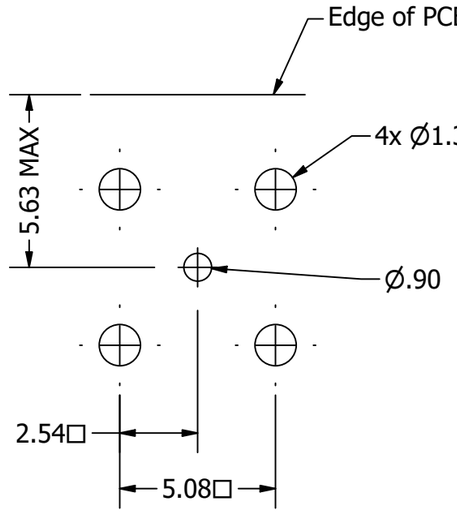




Recommended panel cutout



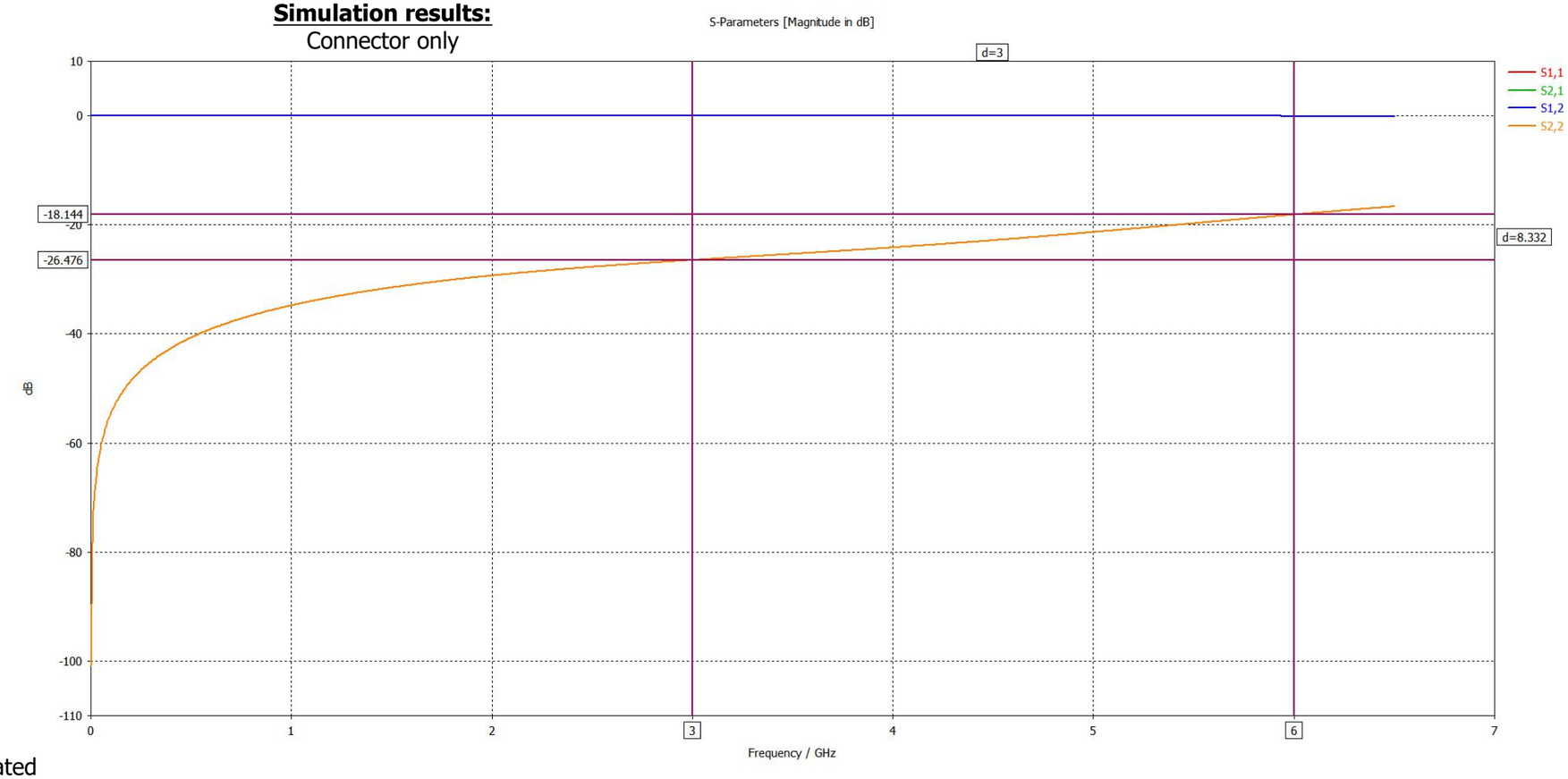
Recommended PCB footprint



REVISION HISTORY				
REV	DESCRIPTION	CHG REF	DATE	DESIGNER
3.0	Updated P/N	FB / INT	03 Sep 2025	Peter Millard
3.1	Updated specification layout & description	FB / INT	21 Oct 2026	Peter Millard

Design Right Protected	Material:		Finish: Ni/Au/Nat	Gen Tol ± 0.10	DO NOT SCALE Unit of Measure: millimetres (mm)	
Third Angle Projection	Designed by Peter Fayers	Checked by	Approved by Date	©2020	Date 04 Nov 2020	A3
RoHS Compliant	**Cambridge Electronic Industries Ltd**	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 DIN 1.0/2.3 Socket 6GHz Right Angle Bulkhead, 2.6mm Leg for Reflow			
			Part No: XGS-06-RB26-NGR Cust		Issue 3.1	Sheet 1 / 2

Simulation results:
Connector only



Electrical:

Impedance	75Ω
Frequency range	DC ~ 6.0 GHz
Working voltage	250 V_{RMS}
Dielectric withstanding voltage	>750 V_{RMS}
Reflection factor (VSWR)	1.10 MAX DC ~ 3.0 GHz
	1.29 MAX DC ~ 6.0 GHz
Contact resistance	Centre contact ≤4.0 mΩ
	Outer contact ≤2.5 mΩ
Insulation resistance	≥1000 MΩ

Materials:

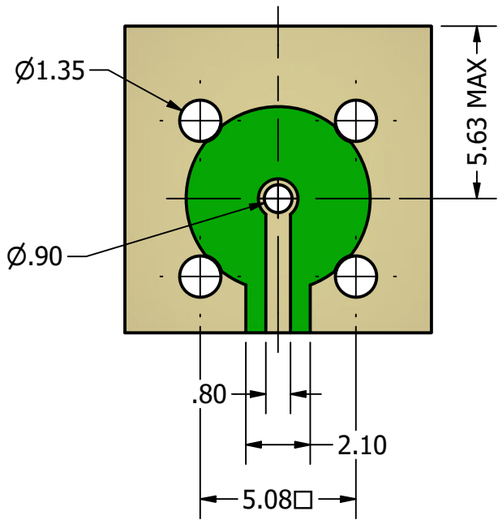
Centre contact	Beryllium Copper / Au plated
Metal parts	Brass / Ni plated
Insulators	Polytetrafluoroethylene

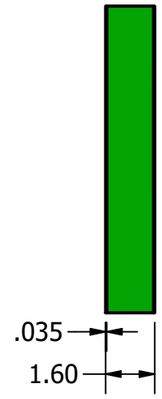
Environmental:

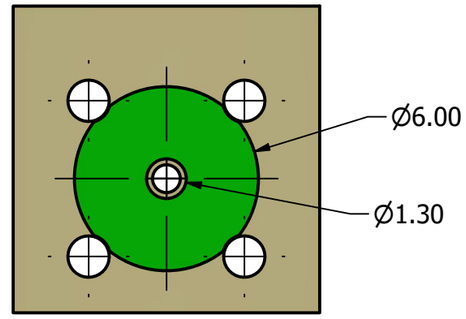
Temp ranges	-65 ~ +85°C
Mating cycles	500
Vibration	N/A
Salt spray	N/A

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	Recommended / 245°C MAX







Suggested PCB layout
Intended as a starting point for design iteration

Design Right Protected	Material:	Finish:	Gen Tol ± 0.10	DO NOT SCALE	
Third Angle Projection	Designed by Peter Fayers	Checked by	Approved by Date	©2020	Unit of Measure: millimetres (mm) Date 04 Nov 2020	A3
RoHS Compliant	**Cambridge Electronic Industries Ltd**	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 DIN 1.0/2.3 Socket 6GHz Right Angle Bulkhead, 2.6mm Leg for Reflow	Part No: XGS-06-RB26-NGR Cust	Issue 3.1	Sheet 2 / 2