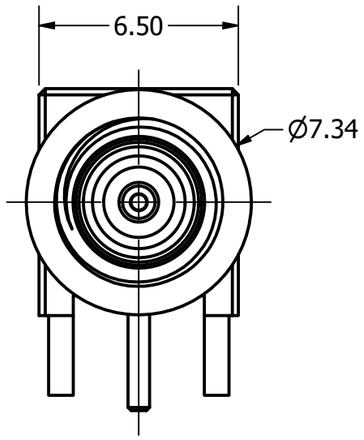
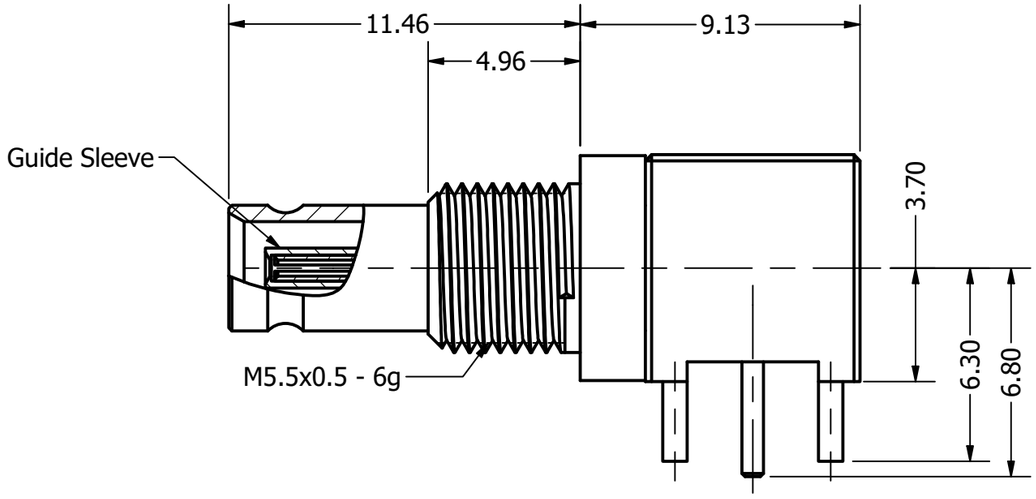
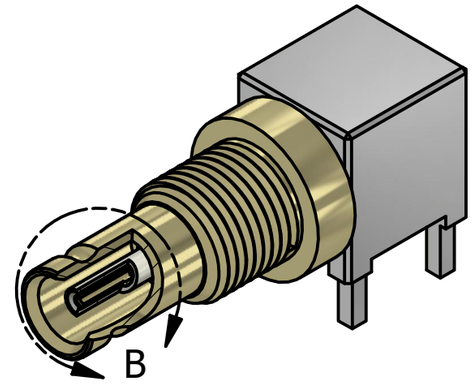
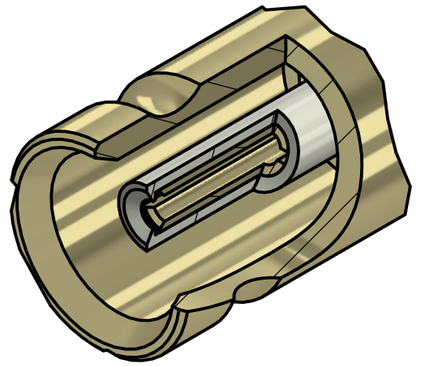
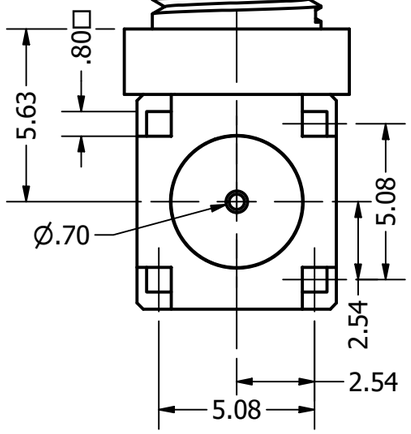


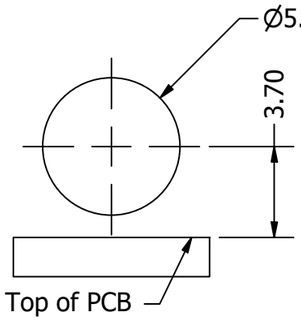






DETAIL B
SCALE 10 : 1





Recommended panel cutout

REVISION HISTORY				
REV	DESCRIPTION	CHG REF	DATE	DESIGNER
3.0	Updated P/N	FB / INT	08 Jul 2024	Peter Millard
3.1	Updated Insulator & Body	FB / INT	13 Aug 2024	Peter Millard
3.2	Updated Contact	FB / SUPP	12 Nov 2024	Peter Millard
3.3	Updated INF	FB / SUPP	10 Jun 2025	Peter Millard
3.4	Updated specification layout & description	FB / INT	21 Oct 2026	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 Peter Fayers

Checked by

Approved by

©2024

Date 17 Nov 2011

A3

RoHS Compliant

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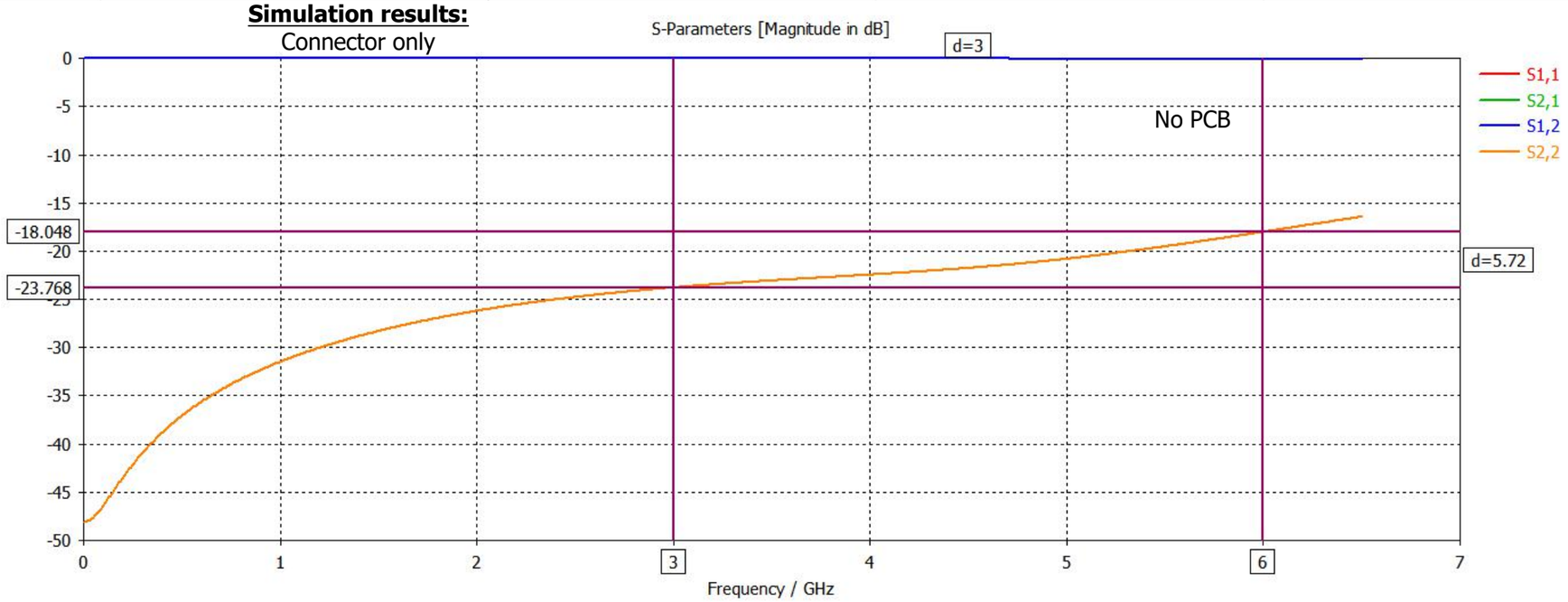
Description:
75Ω DIN 1.0/2.3 Socket 6GHz Right Angle Bulkhead, 2.6mm Leg with Protective Sleeve

Part No: XGS-06-RB26-NGU Cust

Issue 3.4

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)	1.15 MAX DC ~ 3.0 GHz
	1.30 MAX DC ~ 6.0 GHz
Contact resistance	Centre contact ≤4.0 mΩ
	Outer contact ≤2.5 mΩ
Insulation resistance	≥1000 MΩ

Materials:

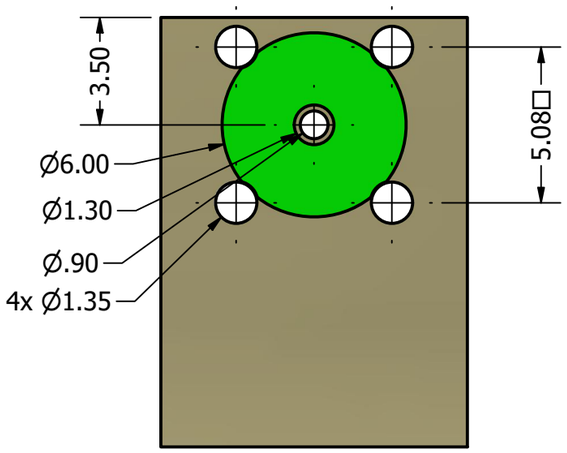
Centre contact	Beryllium Copper / Au plated
Metal parts	Brass / Au plated
Insulators	Polytetrafluoroethylene

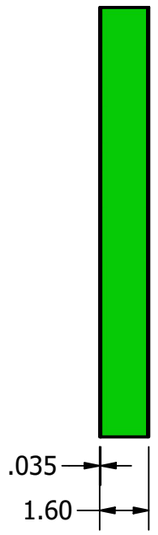
Environmental:

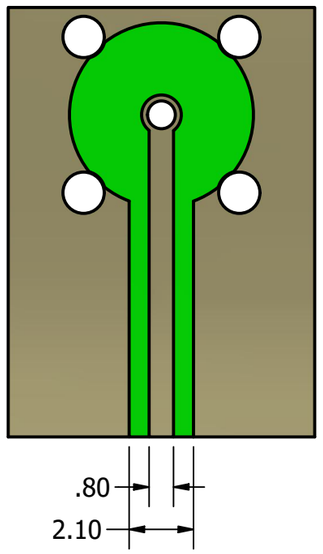
Temp ranges	-65 ~ +85°C
Mating cycles	500
Vibration	N/A
Salt spray	N/A

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	Not recommended







Suggested PCB layout
Intended as a starting point for design iteration

Design Right Protected	Material:	Finish:		Gen Tol ±0.10 Angular ±2°	DO NOT SCALE Unit of Measure: millimeters (mm)
Third Angle Projection	Designed by Peter Fayers	Checked by	Approved by	©2024	Date 17 Nov 2011 — 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 DIN 1.0/2.3 Socket 6GHz Right Angle Bulkhead, 2.6mm Leg with Protective Sleeve		
			Part No: XGS-06-RB26-NGU Cust	Issue 3.4	Sheet 2 / 2