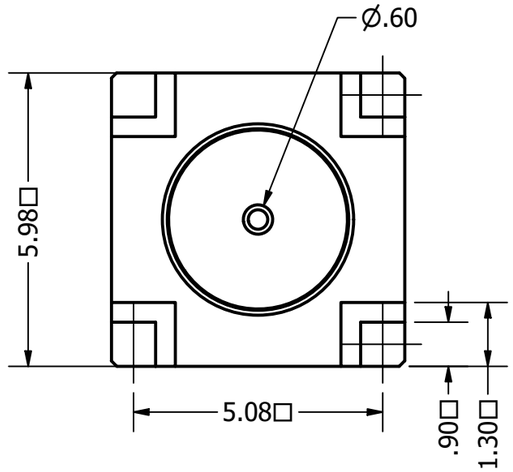
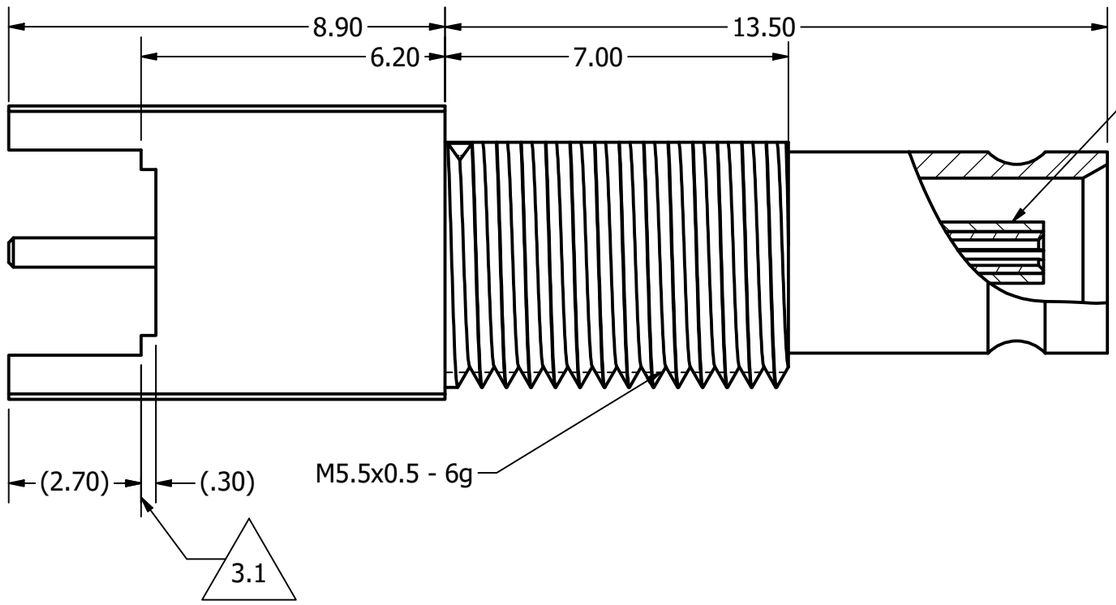
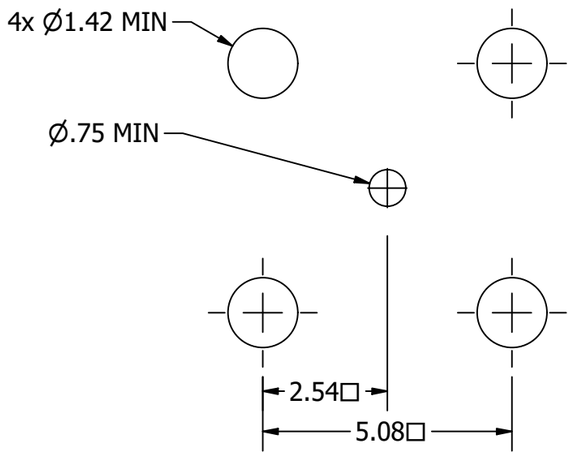
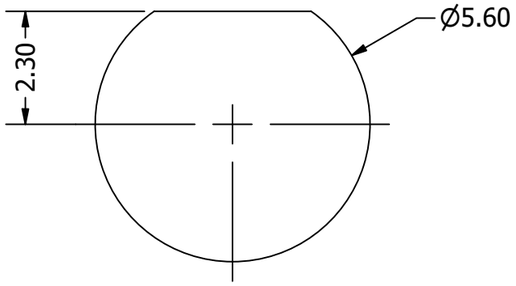


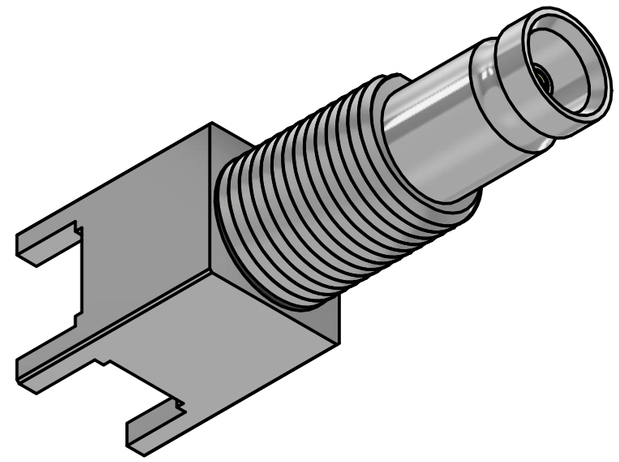




Recommended PCB footprint



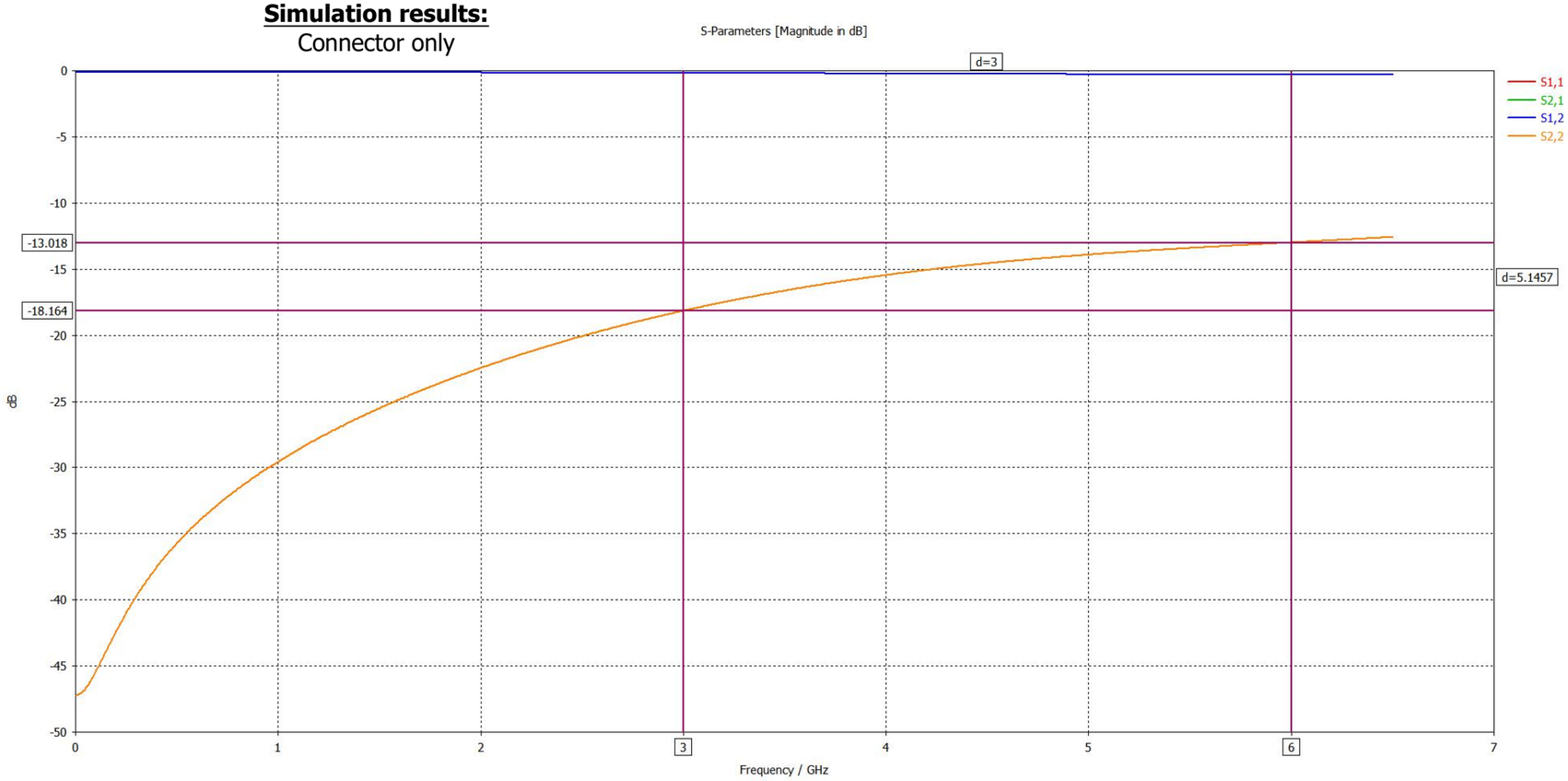
Recommended panel cutout



REVISION HISTORY				
REV	DESCRIPTION	CHG REF	DATE	DESIGNER
3.0	Updated P/N	FB / INT	09 Jul 2024	Peter Millard
3.1	Updated body	FB / INT	05/04/2022	Peter Millard
3.2	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 P. Fayers	Checked by	Approved by	©2024	Date 05 Apr 2022	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 Top Entry Bulkhead, 2.7mm Leg with 6.2mm Standoff & Protective Sleeve			
			Part No: XGS-06-TB27-NNLU Cust		Issue 3.2	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)	1.30 MAX DC ~ 3.0 GHz
	1.58 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	MIL-STD-202 method 204 test condition B
Salt spray	MIL-STD-202 method 101 test condition B

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 Angular ±2°	DO NOT SCALE	
					Unit of Measure: millimeters (mm)	
Third Angle Projection	Designed by P. Fayers	Checked by	Approved by	©2024	Date 05 Apr 2022	A3
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			Part No: XGS-06-TB27-NNLU Cust	Issue 3.2	Sheet 2 / 2	