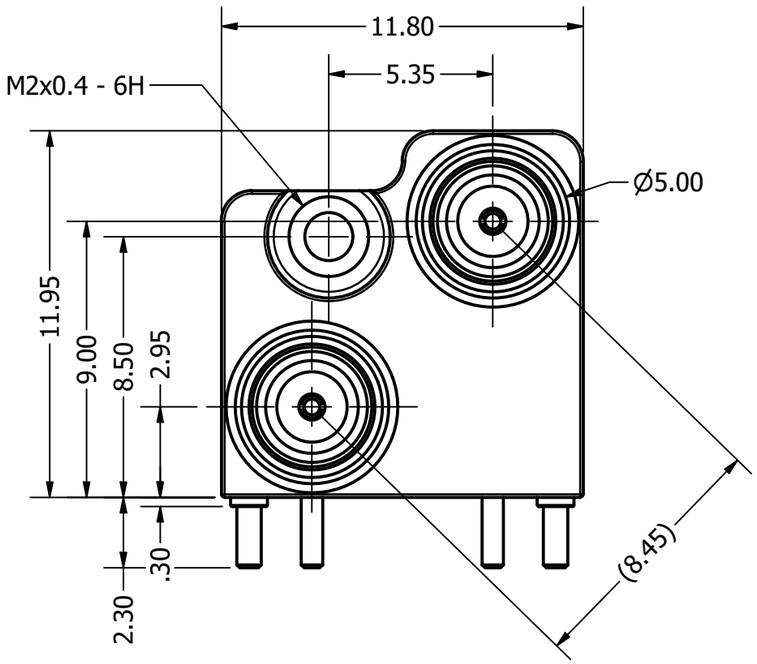
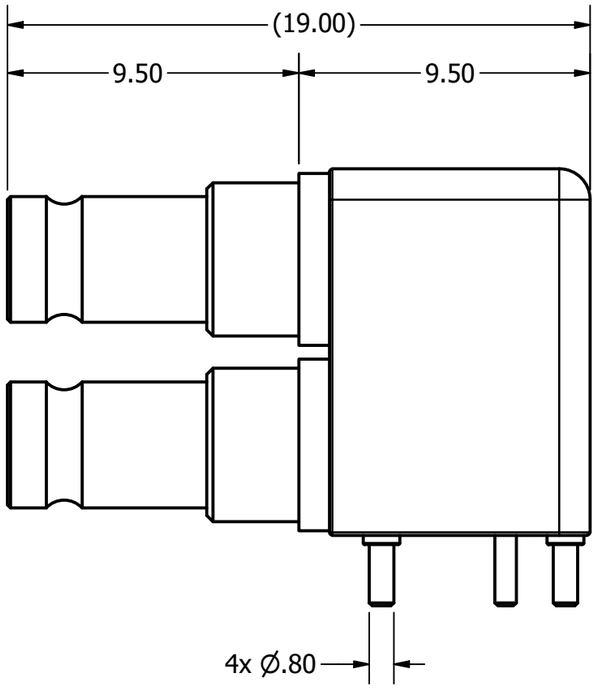
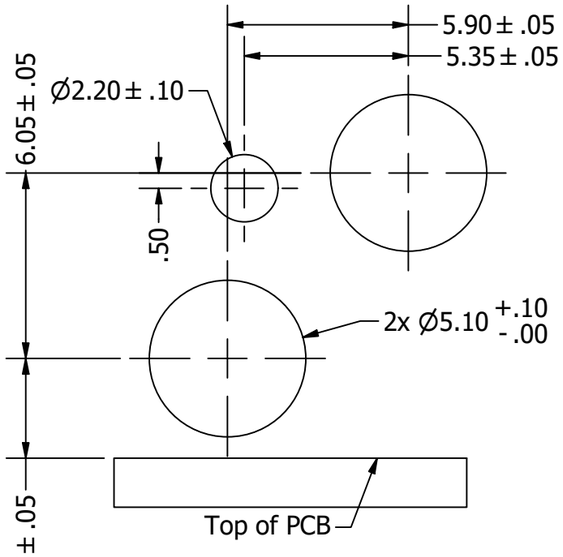


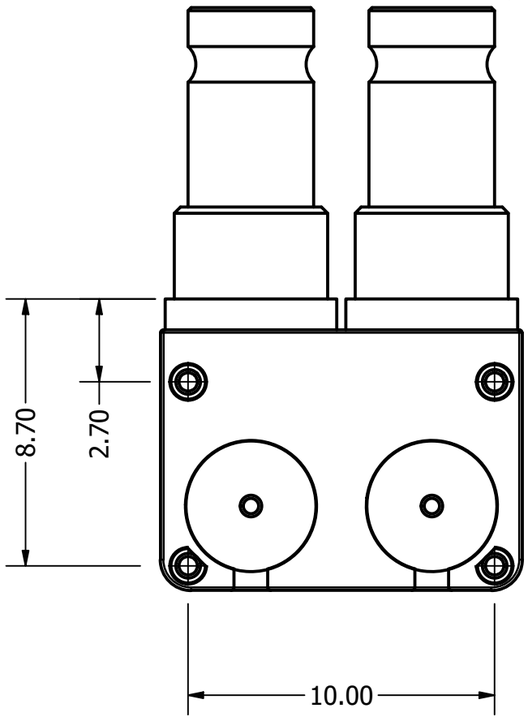


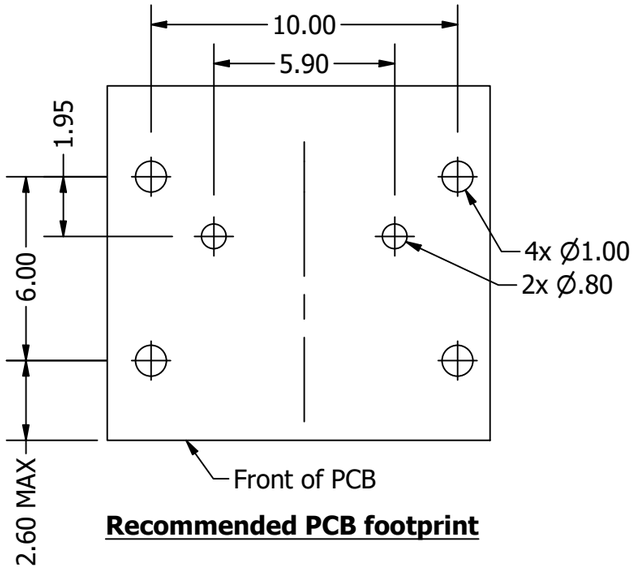


Note:
- Supplied with M2 x 5 C/S cross head screw.
- Screws supplied in bulk-packed



Recommended panel cutout



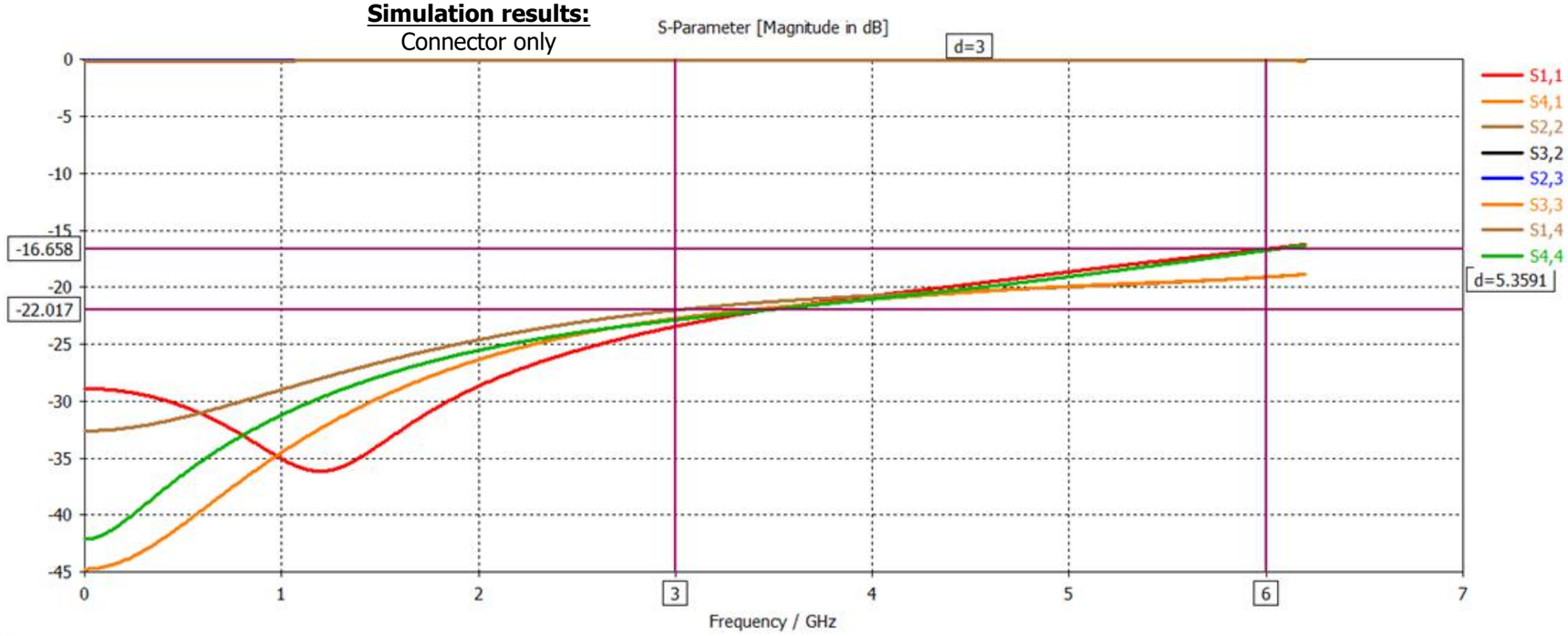


Recommended PCB footprint

REVISION HISTORY				
REV	DESCRIPTION	CHG REF	DATE	DESIGNER
3.0	Updated P/N	FB / INT	04 Jul 2024	Peter Millard
3.1	Updated screw note	FB / INT	10 Nov 2025	Peter Millard
3.2	Corrected dimension errors	FB / INT	10 Dec 2025	Peter Millard
3.3	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		
Third Angle Projection	Designed by Peter Fayers	Checked by	Approved by	©2024	Date 02 Apr 2014	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, 2.0mm Leg, Dual Port with Screw			
			Part No: XGS-06-RA20-NGD Cust	Issue 3.3	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)	1.80 MAX DC ~ 3.0 GHz
	1.43 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
	Brass / Au plated
Metal parts	Zinc Alloy / 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	Not recommended

Design Right Protected	Material:	Finish:		Gen Tol ±0.10 Angular ±2°	DO NOT SCALE	
Third Angle Projection	Designed by Peter Fayers	Checked by	Approved by	©2024	Date 02 Apr 2014	A3
RoHS Compliant	CAMBRIDGE ELECTRONIC INDUSTIRES	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, 2.0mm Leg, Dual Port with Screw			
			Part No: XGS-06-RA20-NGD Cust	Issue 3.3	Sheet 2 / 2	