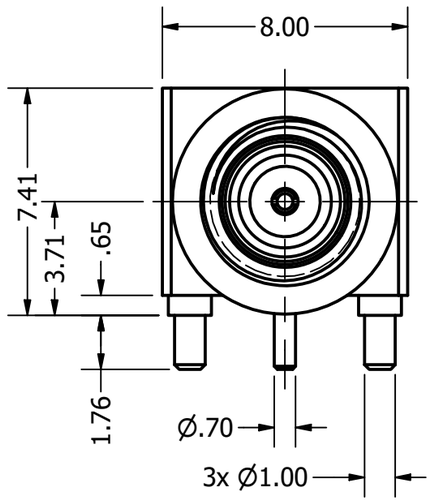
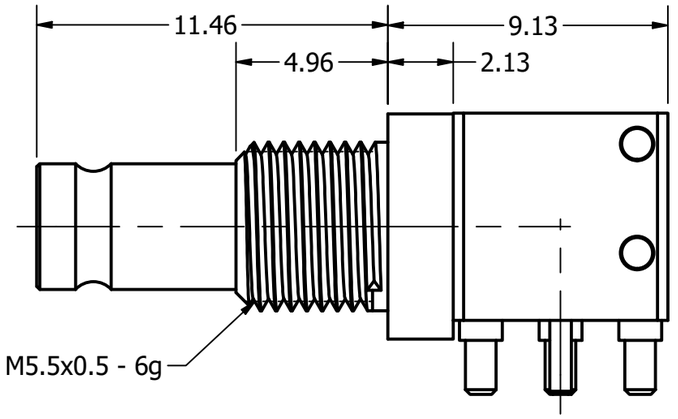
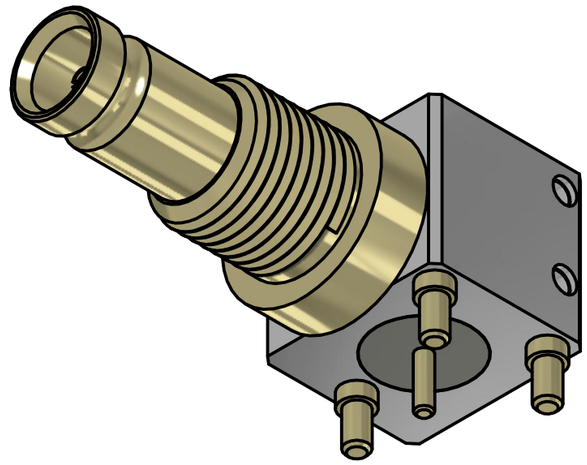
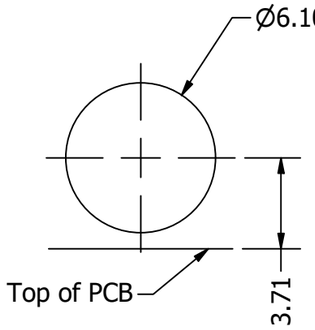


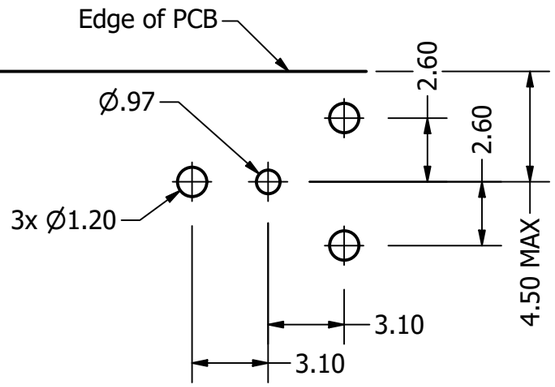


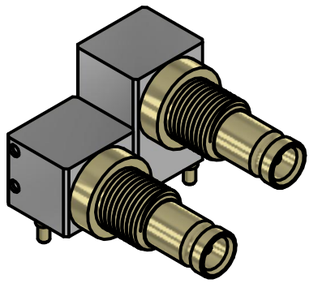


Recommended panel cutout

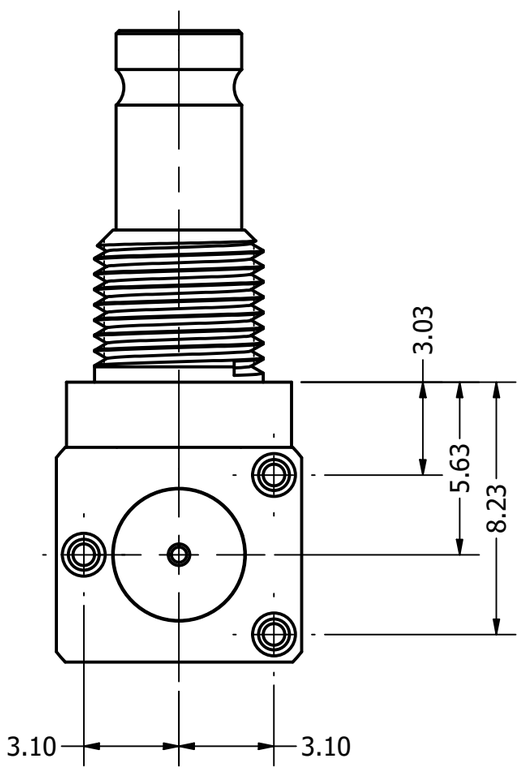


Recommended PCB footprint





Can be stacked alternately with XGS-06-RB18-NGIJX.
For full details please contact:
sales@cambridgeelectronics.com



REVISION HISTORY				
REV	DESCRIPTION	CHG REF	DATE	DESIGNER
1.0	Origin	-	20 May 2025	Peter Millard
1.1	Updated LEG & ITF	FB / SUPP	10 Jun 2025	Peter Millard
1.2	Updated Body with recess	FB / SUPP	01 Jul 2025	Peter Millard
1.3	Added chamfer to leg hole	FB/ SUPP	18 Aug 2025	Peter Millard
1.4	Converted to final P/N	FB / INT	22 Sep 2025	Peter Millard
1.5	Updated specification layout & description	FB / INT	8 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 Millard	Checked by	Approved by	©2024	Date 20 May 2025	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, 3 x 1.8mm Legs, Short Stacking Connector		
			Part No: XGS-06-RB18-NGIX Cust	Issue 1.5	Sheet 1 / 2

Source:E:\Cambridge Connectors\Live Products\Engineering Data\(G) DIN 1.0-2.3\XGS-06-RB18-NGIX (NPO 3483

Electrical:

Impedance	75Ω
Frequency range	DC ~ 6.0 GHz
Working voltage	250 V_{RMS}
Dielectric withstanding voltage	>750 V_{RMS}
Reflection factor (VSWR)	1.04 MAX DC ~ 3.0 GHz
	1.12 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

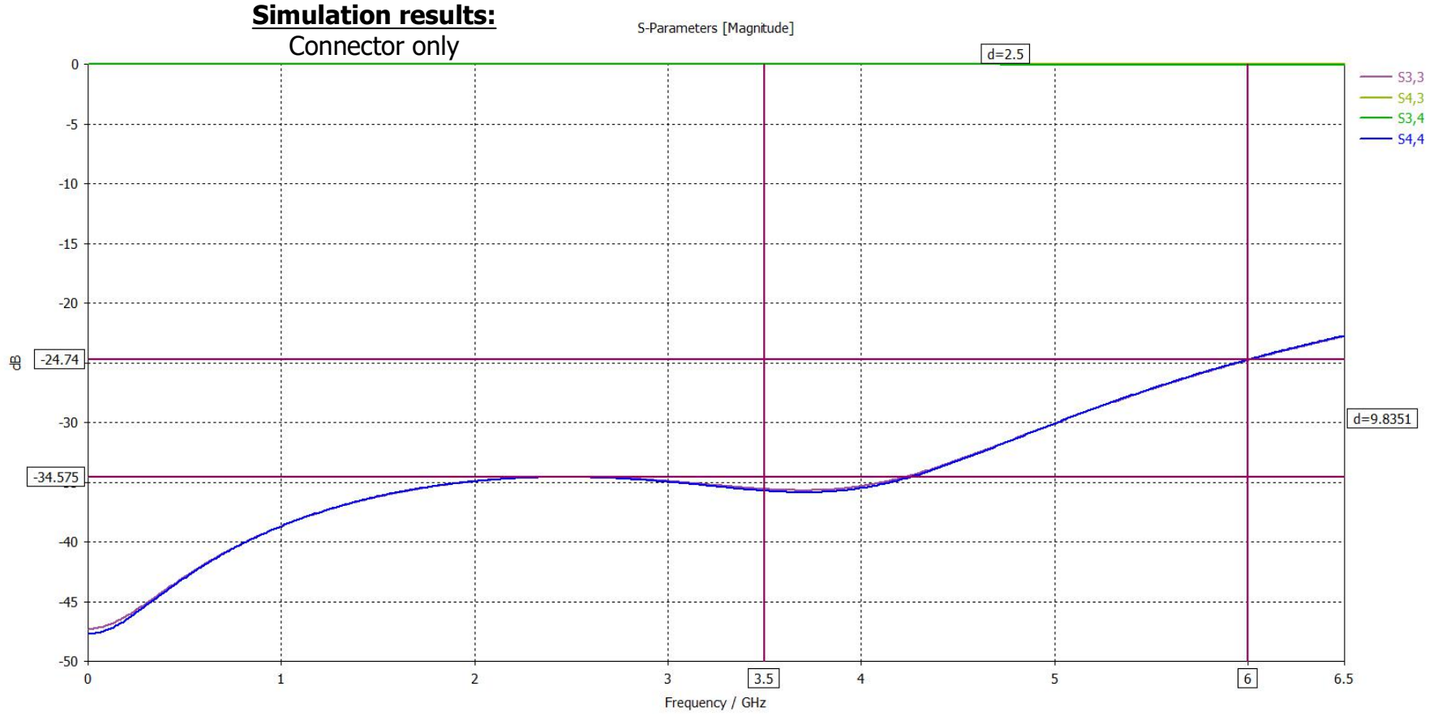
Environmental:

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

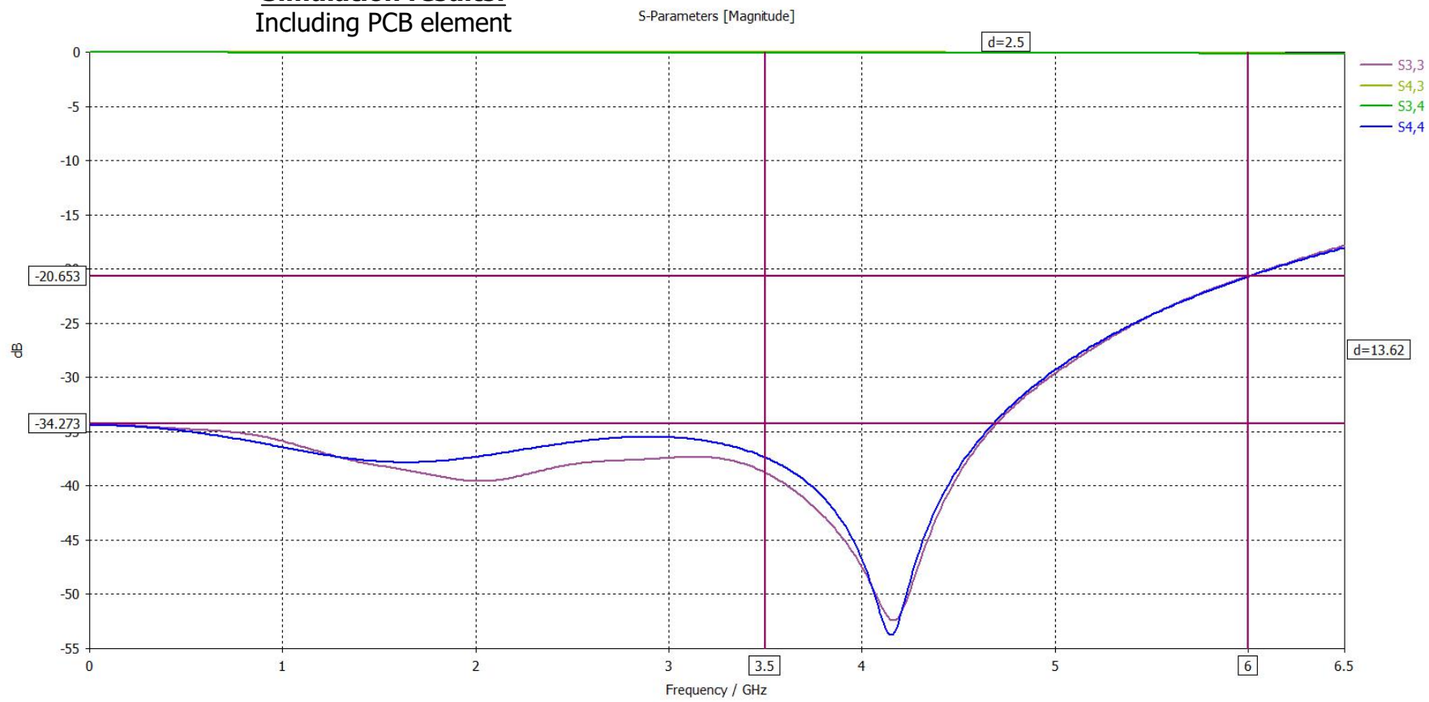
Processing:

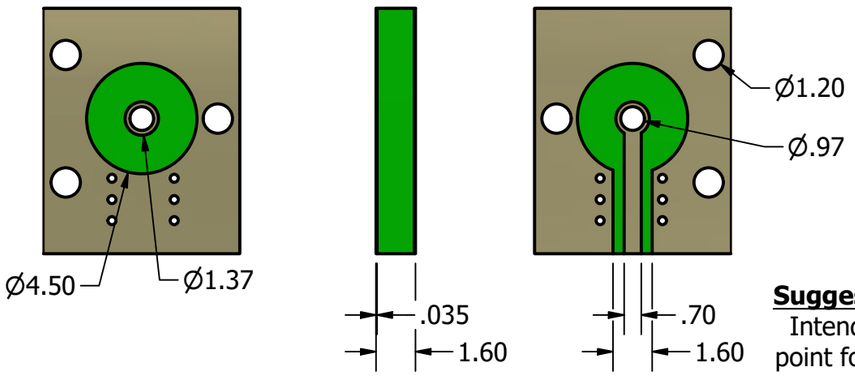
Hand solder	Recommended / 260°C MAX 10 ~ 12 seconds dwell time
Wave solder	Recommended / 260°C MAX 10 ~ 12 seconds dwell time
Reflow solder	Not recommended

Simulation results:
Connector only



Simulation results:
Including PCB element





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 Millard	Checked by	Approved by	©2024	Date 20 May 2025	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, 3 x 1.8mm Legs, Short Stacking Connector		
			Part No: XGS-06-RB18-NGIX Cust	Issue 1.5	Sheet 2 / 2