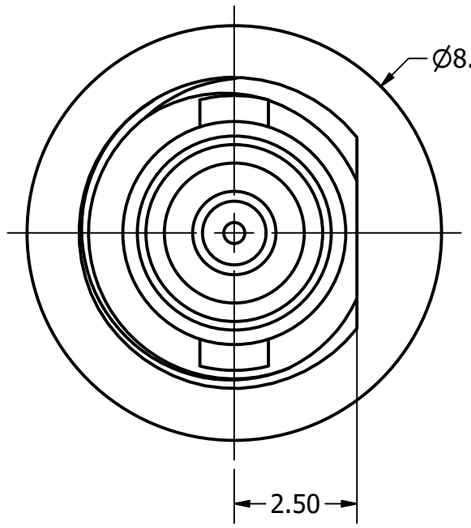
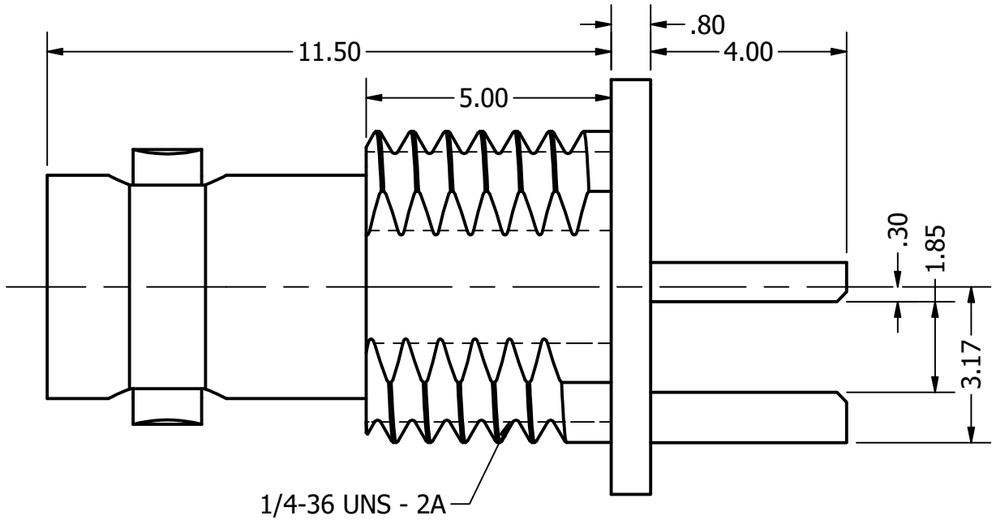
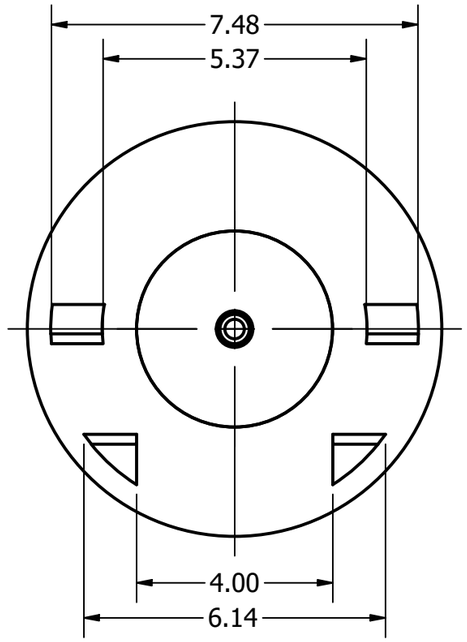
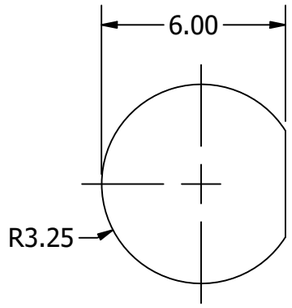
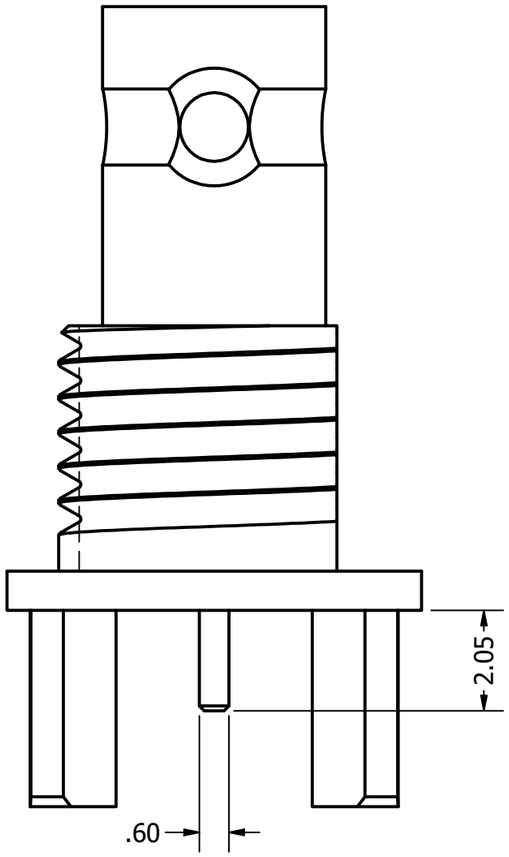


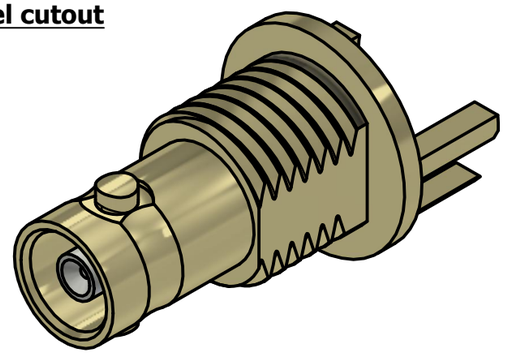






Recommended panel cutout

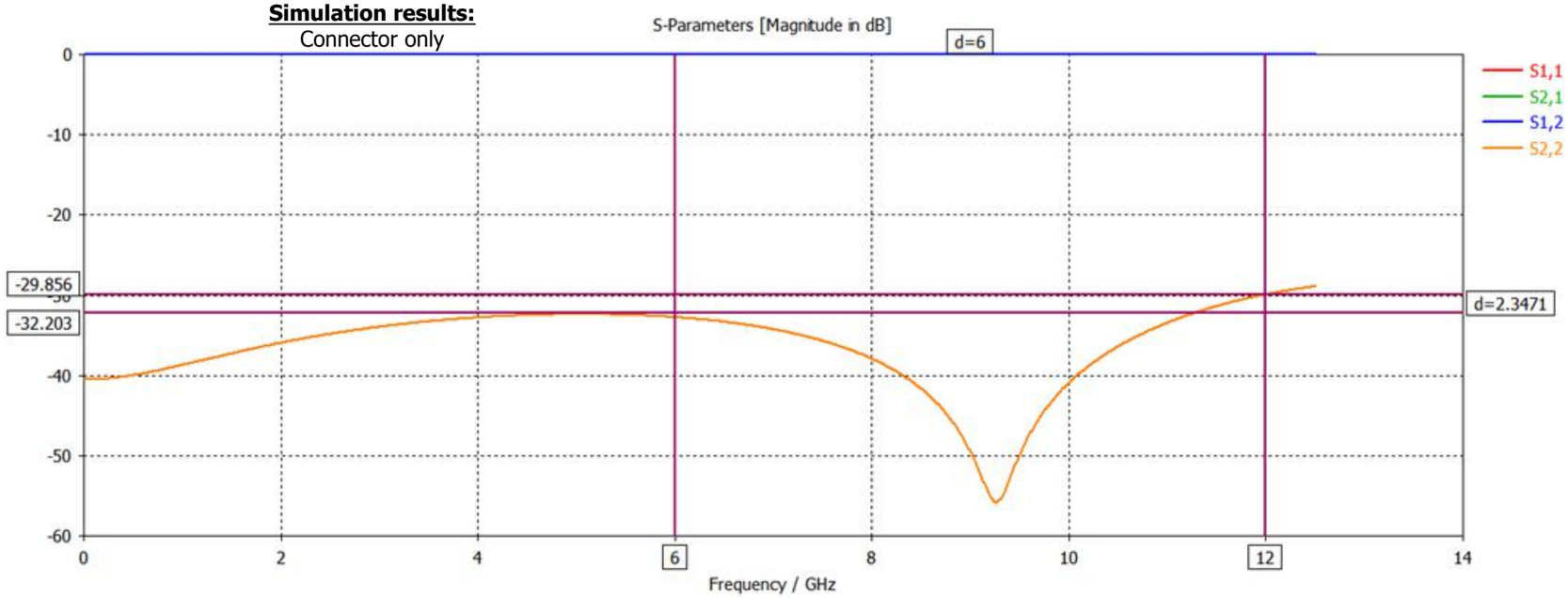




REVISION HISTORY				
REV	DESCRIPTION	CHG REF	DATE	DESIGNER
3.0	Updated P/N	FB / INT	03 Sep 2024	Peter Millard
3.1	Updated contact forming	FB / SUPP	16 Jan 2025	Peter Millard

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 23 May 2017	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 Micro BNC Socket 12GHz Edge Mount Bulkhead for 1.7mm PCB with Enlarged Flange			
			Part No: XPS-12-EB17-GGO Cust		Issue 3.1	Sheet 1 / 2

Simulation results:
Connector only



Electrical:

Impedance	75Ω
Frequency range	DC ~ 12.0 GHz
Working voltage	170 V_{RMS}
Dielectric withstanding voltage	>500 V_{RMS}
Reflection factor (VSWR)	1.07 MAX DC ~ 12.0 GHz
Contact resistance	Centre contact ≤5.0 mΩ
	Outer contact ≤2.5 mΩ
Insulation resistance	≥1000 MΩ

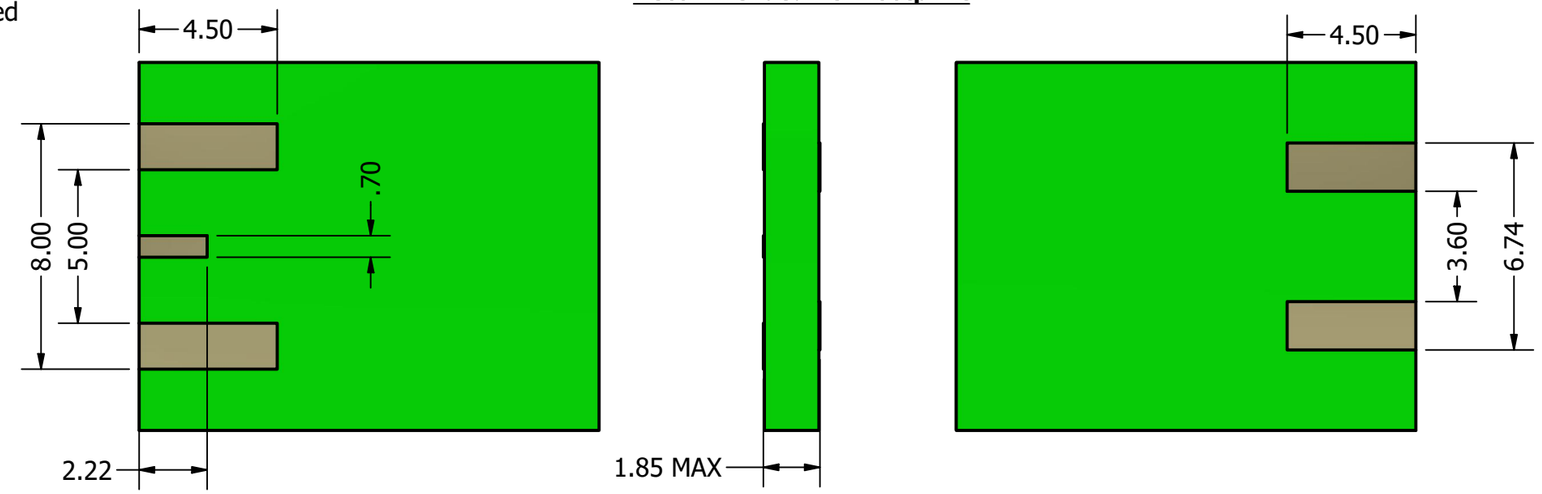
Materials:

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

Recommended PCB footprint



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 23 May 2017	A3
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			Part No: XPS-12-EB17-GGO Cust	Issue 3.1	Sheet 2 / 2	