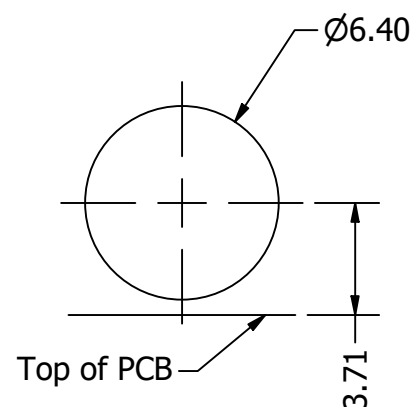
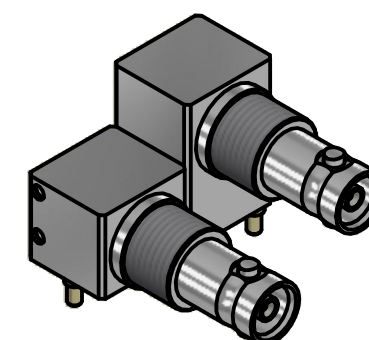
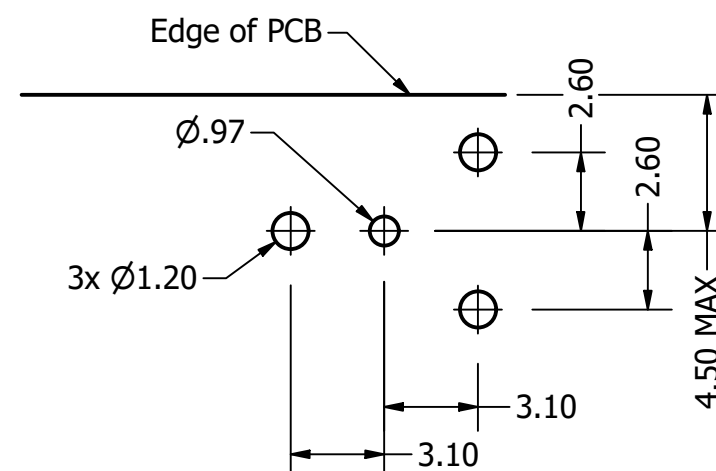


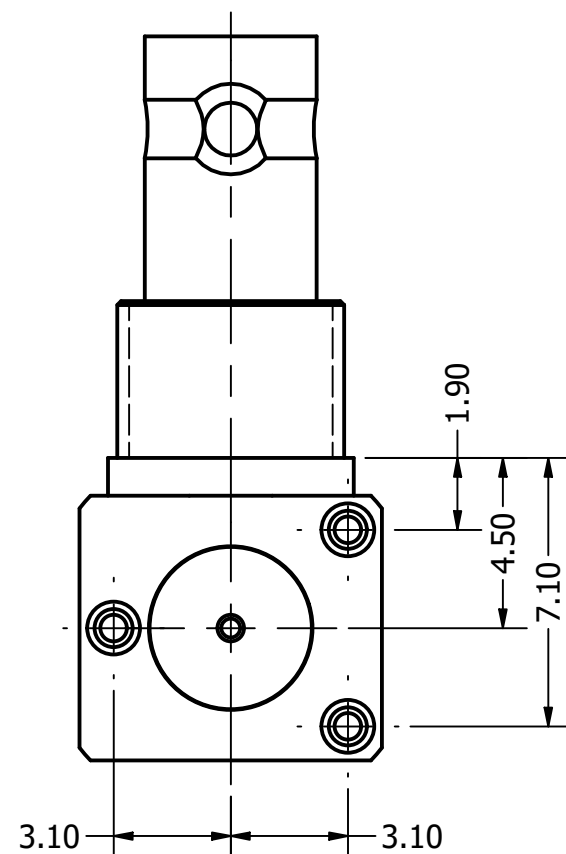
Recommended Panel Cut Out



Recommended PCB Footprint



Can be stacked alternately with XPS-12-RB18-NNIJX.
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 ITF | FB / SUPP | 09 Jun 2025 | Peter Millard |
| 1.2 | Updated LEG | FB / SUPP | 10 Jun 2025 | Peter Millard |
| 1.3 | Updated Body with recess | FB / SUPP | 01 Jul 2025 | Peter Millard |
| 1.4 | Added chamfer to leg hole | FB / SUPP | 18 Aug 2025 | Peter Millard |
| 1.5 | Converted to final P/N | FB / INT | 22 Sep 2025 | Peter Millard |

| | | | | | | | | |
|---|-------------------------------------|--|---|--|--|--|-----------------------------------|----------------|
| Design Right Protected Third Angle Projection | Material: | | Finish: | | Gen Tol ±0.10 Angular ±2° | | DO NOT SCALE | |
| | Designed by Peter Millard | | Checked by | | Approved by | | ©2024 Date 20 May 2025 | |
| 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: 12GHz Short Stacking female Micro BNC for 1.6mm PCBs | | Part No: XPS-12-RB18-NNIX Cust | |
| | | | | | | | Issue 1.5 | |
| | | | | | | | | Sheet 1 / 2 |

Electrical:

| | |
|---------------------------------|---|
| Impedance | 75 Ohms |
| Freq Range | 0-12.0 GHz |
| Working Voltage | 170 Vrms |
| Dielectric withstanding voltage | >500 Vrms |
| Reflection Factor (VSWR) | 1.11 Max 0.0-6.0 GHz 1.11 Max 6.0-12.0 GHz |
| Contact Resistance | Center Contact 5.0 m Ohm Outer Contact 2.5 m Ohm |
| Insulation Resistance | > 1000 Meg Ohm |

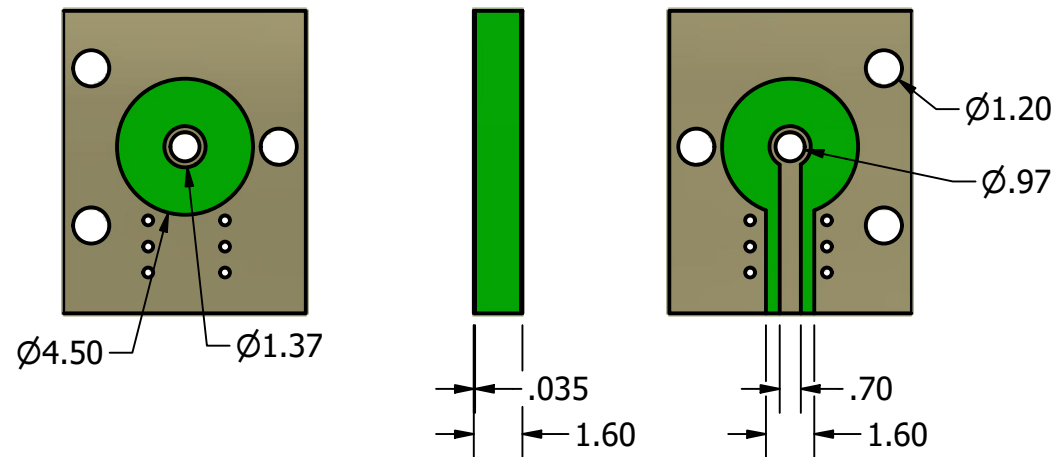
Materials:

| | |
|-------------|-------------------|
| Center Pin | BeCu/10μ Au |
| Metal Parts | Brass / Ni and Au |
| Insulators | PTFE |

Enviromental:

| | |
|----------------|--------------|
| Temp Ranges: | -65 to +85°C |
| Mating Cycles: | 500 |

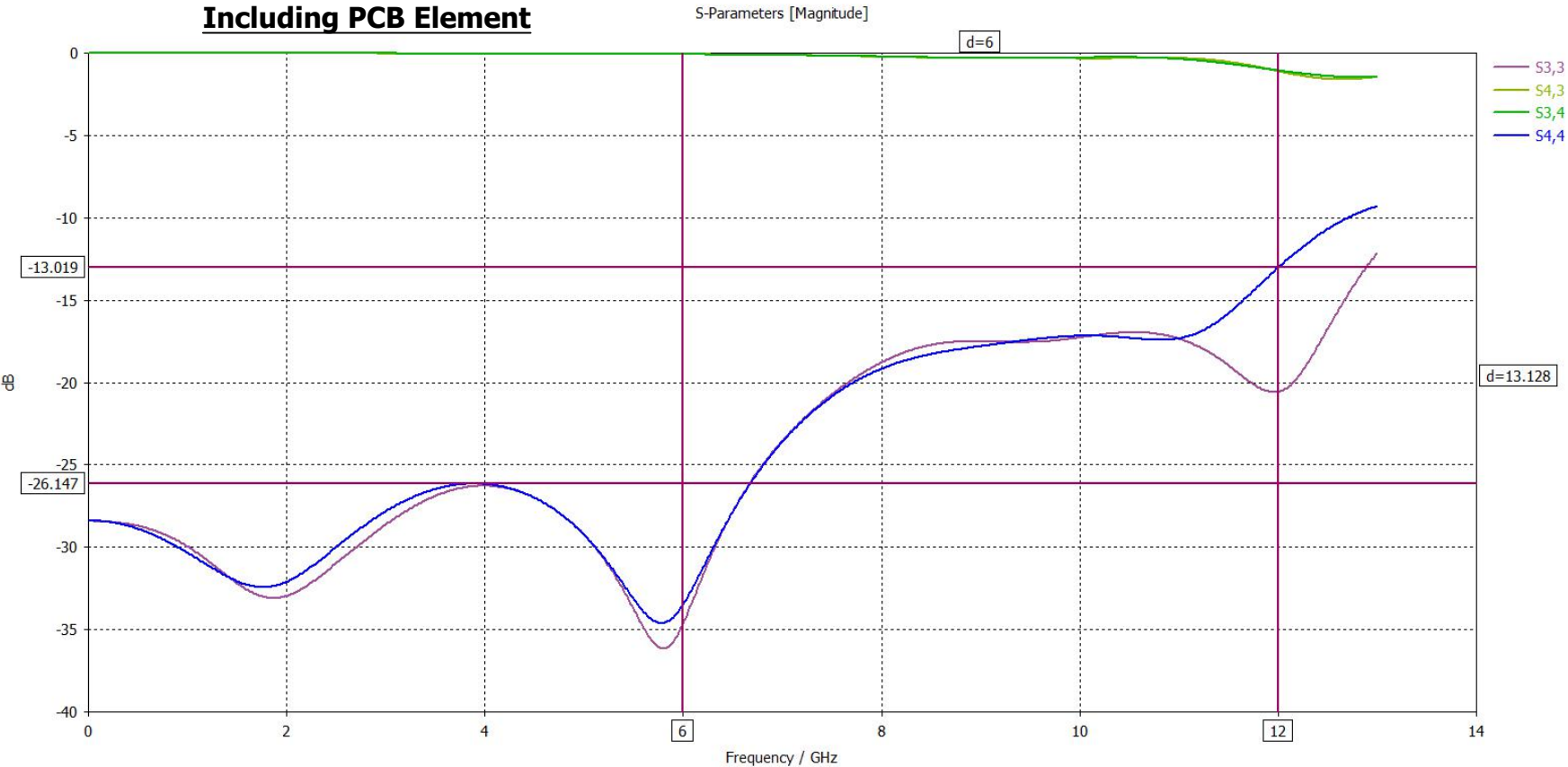
Suggested PCB layout intended as starting point for design iteration



Connector ONLY



Including PCB Element



| | | | | | | | | |
|---------------------------|---|--|--|--|---------------------------------|--|---------------------|--|
| Design Right Protected | Material: | | Finish: | | Gen Tol ±0.10 Angular ±2° | | DO NOT SCALE | |
| | Third Angle Projection | | Designed by Peter Millard | | Checked by | | Approved by | |
| RoHS Compliant | CAMBRIDGE ELECTRONIC INDUSTRIES | | Description: 12GHz Short Stacking female Micro BNC for 1.6mm PCBs | | ©2024 | | Date 20 May 2025 | |
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