

Recommended Panel Cut Out

| REVISION HISTORY | | | | |
|------------------|-------------|----------|-------------|---------------|
| REV | DESCRIPTION | CHG REF | DATE | DESIGNER |
| 3.0 | Updated P/N | FB / INT | 31 Jul 2024 | Peter Millard |

| | | | | |
|---|------------|-------------|------------------------------|---|
| Design Right Protected Third Angle Projection | Material: | Finish: | Gen Tol ±0.10 Angular ±2° | DO NOT SCALE Unit of Measure: millimeters (mm) |
| Designed by Peter Fayers | Checked by | Approved by | ©2024 | Date 16 Apr 2019 |

| | | | |
|-------------------------------|---------------------------------|---|---|
| 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 75ohm, Micro BNC RA jack for PCB slim body, 3.1mm legs |
| Part No: XPS-12-RB26-GNA Cust | Issue 3.0 | Sheet 1 / 2 | |

6 5 4 3 2 1

Electrical:

| | |
|---------------------------------|----------------------|
| Impedance | 75 Ohms |
| Freq Range | 0-12.0 GHz |
| Working Voltage | 170 Vrms |
| Dielectric withstanding voltage | >500 Vrms |
| Reflection Factor (VSWR) | 1.09 Max 0.0-6.0 GHz |

| | |
|--------------------|--------------------------|
| | Center Contact 5.0 m Ohm |
| Contact Resistance | Outer Contact 2.5 m Ohm |
| | > 1000 Meg Ohm |

Insulation Resistance**Materials:**BeCu/10 μ Au

Center Pin

Brass / Au or Ni

Metal Parts

PTFE

Insulators

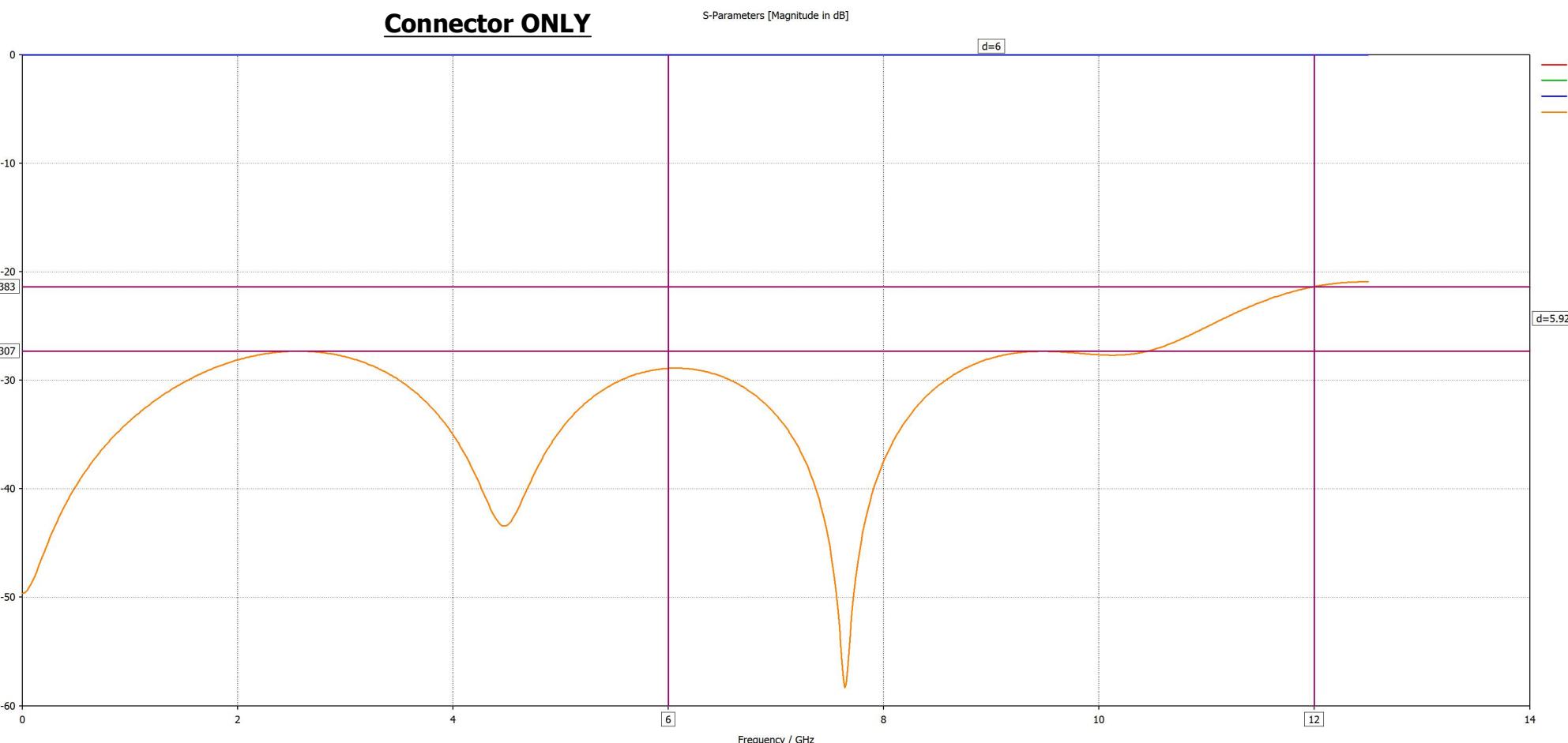
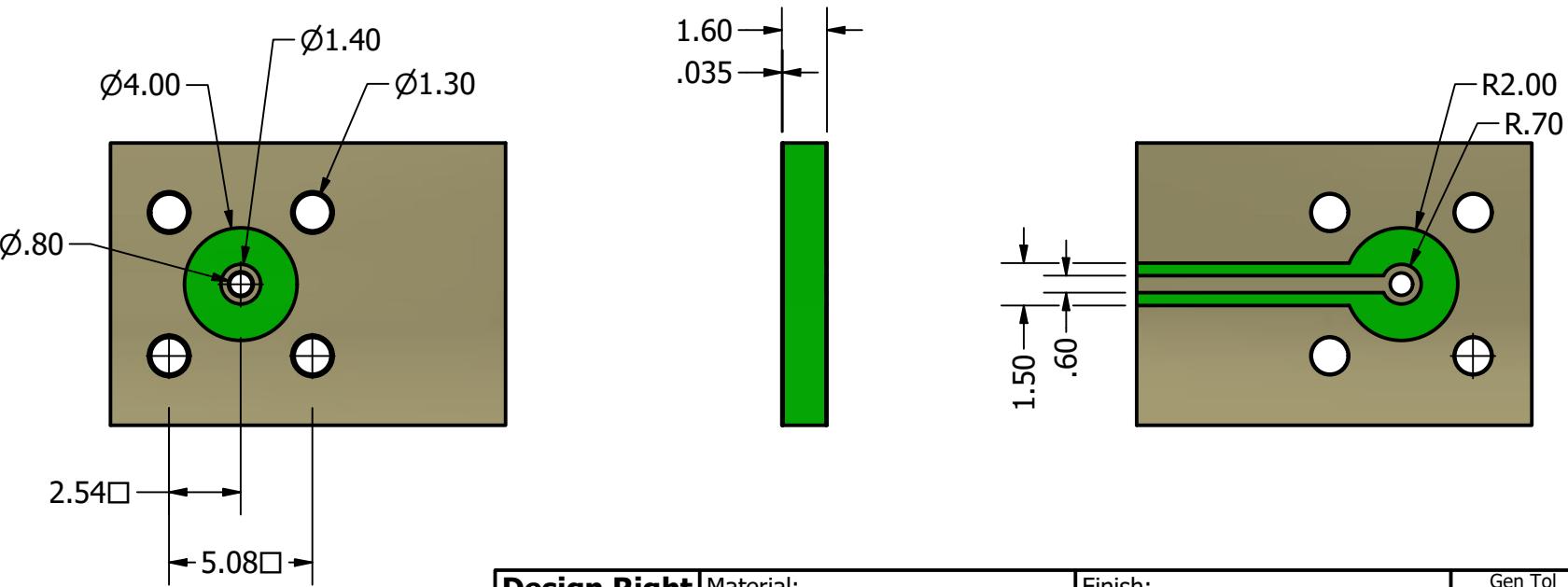
Enviromental:

-65 to +85°C

Temp Ranges:

500

Mating Cycles:

**Suggested PCB layout intended as starting point for design iteration**

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|------------------------|--------------------------|---|---|------------------------------|------------------|-----------------------------------|
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| Third Angle Projection | Designed by Peter Fayers | Checked by | Approved by | ©2024 | Date 16 Apr 2019 | A3 |
| | | 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 75ohm, Micro BNC RA jack for PCB slim body, 3.1mm legs | | | |
| | | | Part No: XPS-12-RB26-GNA Cust | Issue 3.0 | Sheet 2 / 2 | |