



# RL-SQC-301 Rev 1.0

## Printed Circuit Board (PCB) Requirements – A

### DOCUMENT PROPERTIES

Document Type	Supplier Quality Clause (Doc Type) (see page 1)
Security Level	Approved for Limited External Use
Export Classification	Not Subject to Regulation – No Technical Data

### DOCUMENT APPROVAL

Author	Reviewer	Approver	Date Released	Status
I.webster	m.heneghan	a.bernardo	20 Nov, 2023	<input checked="" type="radio"/> Released

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Group	Electronics – General
Clause	<ol style="list-style-type: none"> <li>1. Printed Circuit Board (PCB) Data Package <ol style="list-style-type: none"> <li>a. Items listed below shall be delivered in addition to material required in the Purchase Order:</li> <li>b. Certificate of Compliance per RL-SR-001 – Supplier Quality Manual</li> <li>c. Micro Sections <ol style="list-style-type: none"> <li>i. Final micro-sections coupon analysis shall be provided to Rocket Lab.</li> <li>ii. Final micro-sections coupons for both A and B or A/B coupons shall be submitted to Rocket Lab.</li> <li>iii. Micro-Section Analysis Report for both A and B or A/B coupons shall be submitted to Rocket Lab.</li> <li>iv. Coupons shall reflect coupon design in IPC-2221 and the specified finished PCB characteristics.</li> </ol> </li> <li>d. Material Certificates <ol style="list-style-type: none"> <li>i. The material used shall be traceable to the manufacturer’s lot number through date code and serial number. If Hot Air Solder Levelling (HASL) is used as final finish, analysis of solder pot in compliance with IPC-6012.</li> </ol> </li> <li>e. All manufacturer reports/results. The PCB manufacturer shall include the items listed below: <ol style="list-style-type: none"> <li>i. Results of all electrical verification testing performed at 250 Vdc (unless otherwise specified)</li> <li>ii. Results of all TDR testing on controlled impedance coupons (when indicated on the drawing)</li> <li>iii. Results of ionic contamination testing</li> <li>iv. All deviation and waiver reports including all MRB action taken on the PCB or constituent material.</li> <li>v. All existing raw material reports and vendor certifications. Raw material manufacturer’s test report (i.e., mill test report) that states that a lot of material furnished has been tested, inspected, and found to follow the applicable material specifications.</li> <li>vi. If required, documentation for PCB or Component bake out.</li> </ol> </li> <li>f. Final copy of any Technical Queries or drawing redlines that were required for fabrication and approved by Rocket Lab. If there were no Technical Queries or drawing redlines for the order, a statement shall be included stating no Technical Queries or drawing redlines were needed. The statement should be on its own individual sheet within the PCB Data Package.</li> </ol> </li> <li>2. Handling and Packaging <ol style="list-style-type: none"> <li>a. Handling and Storage shall be in compliance with IPC 1602 – Standard for Printed Board Handling and Storage</li> <li>b. External packaging shall protect the PCBAs from movement, shock events and physical damage during shipping and handling.</li> </ol> </li> </ol>

## 1 Glossary

### Glossary Term

No content found.

## 2 Revision History

Rev	Author	Date	Change Log / ECN
1	@Logan Webster	📅 14 Nov 2023	First Release – Baseline

## 3 Document Properties

<b>Document Type</b>	<a href="#">Supplier Quality Clause (Doc Type)</a> (see page 1)
<b>Summary</b>	SQC for PCB requirements related to data package, handling and packaging.
<b>References</b>	
<b>Notes</b>	N/A
<b>Parent Manual</b>	RL-QM-010
<b>Security Level</b>	Approved for Limited External Use
<b>Export Classification</b>	Not Subject to Regulation – No Technical Data

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