

RL-SQC-303 Rev 1.0

Printed Circuit Board Assembly (PCBA) Requirements - A

DOCUMENT PROPERTIES

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DOCUMENT APPROVAL

Author	Reviewer	Approver	Date Released	Status
l.webster	m.heneghan	a.bernardo	17 Nov, 2023	Released

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Group

Electronics - General

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	 Printed Circuit Board Assembly (PCBA) Data Package Certificate of Compliance per RL-SR-001 - Supplier Quality Manual All manufacturer reports/results.
Clause	 c. The PCBA Data Package shall comprise the following document: As Built List (ABL) Part number and Lot or Date code Information for all components shall be recorded to the Reference Designator of the PCBA Material certificates Material certificates Material used shall be traceable to the manufacturer's lot number through date code and serial number List of Assembly Materials (solder, ink, wire, flux, etc.) Lot and expiration date records shall be kept and provided upon request of Rocket Lab Assembly Documents If applicable, a complete shortage list (parts and/or activities) Deviations from drawings and parts lists and objective evidence for the approval Copies of all redlined drawings and parts lists Evidence of approval from Rocket Lab for all non-conformances with disposition of Use As Is and/or Repair Rework documentation Surface Mount Process Reflow Profile X-Ray Images of CGA, BGA and BTC components High resolution photo documentation of all sides of the completed PCBA

xv. If required, documentation for PCB or Component bake out

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xvi. Unless otherwise specified, Flying Probe Data shall be submitted as part of the PCBA Data Package
2. Handling and Packaging
a. Handling shall be in compliance with the requirements documented in appendix B of IPC-A-610
 b. Unless otherwise specified in the drawing, PCBAs shall be packed individually in static shielding packaging.
c. External packaging shall protect the PCBAs from movement, shock events and physical damage during shipping and handling.
 Sealed bags containing PCBAs shall be wrapped in anti-static foam, bubble wrap, or other suitable static dissipative cushioning material.
 External packing shall be chosen to prevent tears, puncture opening, and/or other discrepancies upon receipt.
3. Polymeric Applications
 All polymeric Applications shall meet the requirements of NASA– STD-8739.1

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

Document Type	Supplier Quality Clause (Doc Type) (see page 1)
Summary	SQC detailing PCBA requirements related to data package, handling, packaging and polymeric applications.
References	N/A
Notes	N/A
Parent Manual	RL-QM-010
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