RL–SQC–305 Rev 1.0

PCBA Inspection Requirements

DOCUMENT PROPERTIES

Document Type	Supplier Quality Clause (Doc Type)
Security Level	Approved for Limited External Use

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
Clause	1. Unless otherwise specified on the drawing Printed Circuit Board Assemblies (PCBAs) shall be manufactured and inspected per: a. J-STD-001 Space Addendum, Class 3 for High Performance Electronic Products; b. IPC-A-610, Class 3 for Acceptability of Electronic Assemblies, and c. IPC/WHMA-A-620, Class 3 for Requirements and Acceptance for Cable and Wire Harness Assemblies. 2. All polymeric Applications shall be inspected and meet the requirements of NASA-STD-8739.1 (unless otherwise specified) 3. All supplier assembly personnel shall be trained and certified to J-STD-001 Requirements for Soldered Electrical and Electronic Assemblies. 4. All inspection personnel shall be trained and certified to IPC-A-610 for Acceptability of Electronic Assemblies or at least trained by a certified IPC-A-610 trainer and certified to a Supplier training program. 5. Printed Circuit Board Assemblies (PCBAs) shall be cleaned in conformance with J-STD-001, Section 8 Cleaning Process Requirements. 6. All external interface / service connectors (i.e. D38999) assembled to PCBAs shall be regarded as part of the higher-level assembly and are considered as part of the customer interface by Rocket Lab, and therefore all connector markings shall be legible after all manufacturing processes and testing.

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

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