



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
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Group	Electronics – General
Clause	- Unless otherwise specified on the drawing Printed Circuit Board Assemblies (PCBAs) shall be manufactured and inspected per: - J-STD-001 Space Addendum, Class 3 for High Performance Electronic Products; - IPC-A-610, Class 3 for Acceptability of Electronic Assemblies, and - IPC/WHMA-A-620, Class 3 for Requirements and Acceptance for Cable and Wire Harness Assemblies. - All polymeric Applications shall be inspected and meet the requirements of NASA-STD-8739.1 (unless otherwise specified) - All supplier assembly personnel shall be trained and certified to J-STD-001 Requirements for Soldered Electrical and Electronic Assemblies. - 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. - Printed Circuit Board Assemblies (PCBAs) shall be cleaned in conformance with J-STD-001, Section 8 Cleaning Process Requirements. - 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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Summary	SQC detailing PCBA inspection requirements
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