



RL-SQC-305 Rev 1.0

PCBA Inspection Requirements

DOCUMENT PROPERTIES

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Security Level	Approved for Limited External Use

DOCUMENT APPROVAL


Author	Reviewer	Approver	Date Released	Status
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TABLE OF CONTENTS

1 Glossary1

2 Revision History1

3 Document Properties1

Group	Electronics - General
Clause	<ol style="list-style-type: none"> 1. Unless otherwise specified on the drawing Printed Circuit Board Assemblies (PCBAs) shall be manufactured and inspected per: <ol style="list-style-type: none"> 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

Document Type	Supplier Quality Clause (Doc Type)
Summary	SQC detailing PCBA inspection requirements
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