



RL-SQC-306 Rev 3.0

Harness Manufacturing, Testing, and 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	<p>Manufacture, test, and inspect per IPC/WHMA-A-620 Class 3 and Rocket Lab specification RL-PS-023 - Harness Manufacturing Process Specification.</p> <p>All supplier assembly and inspection personnel shall be trained and certified to IPC/WHMA-A-620 for Requirements and Acceptance for Cable and Wire Harness Assemblies or at least trained by a certified J-STD-001 and IPC/WHMA-A-620 Trainer and certified to a Supplier training program.</p> <p>Cable/Harness Data Package</p> <ol style="list-style-type: none"> 1. Certificate of Compliance per RL-SR-001 - Supplier Quality Manual 2. The Data Package shall comprise the following document: <ol style="list-style-type: none"> a. As Built List (ABL) <ol style="list-style-type: none"> i. Serial Number, Lot or Date code Information for all components and materials, as applicable. b. Cure records c. Material certificates <ol style="list-style-type: none"> i. Material used shall be traceable to the manufacturer's lot number through date code and/or serial number. d. List of Assembly Materials (solder, flux, potting material, fiberglass tape, lacing, heatshrink, overbraid, etc.) <ol style="list-style-type: none"> i. Lot and expiration date records shall be kept and provided upon request of Rocket Lab e. Assembly Documents f. Deviations from Drawing and parts lists and objective evidence for the approval g. Copies of all redlined drawings and parts lists h. Copies of all Non-Conformance reports if the resulting disposition was Rework, Repair, or Use As Is <ol style="list-style-type: none"> i. Rework documentation j. High resolution photo documentation of all solder cup joints and connectors before potting, and end item. k. Test data results as specified in the drawing or additional test requirements as required by Rocket Lab. <ol style="list-style-type: none"> i. Included but not limited to continuity, Milliohm Bonding and Hi-Pot test data results

1 Glossary

Glossary Term

No content found.

2 Revision History

Rev	Author	Date	Change Log / ECN
1	@Hannah Bruttig	14 Nov 2023	First Release - Baseline
2.0	@Merelin Antoni Ruiz	26 Mar 2024	Minor update - correct section 2.a.i to not include "reference designators" as this does not apply to harnesses.
3.0	@Hannah Bruttig	10 Jun 2024	Minor update - added "/or" for serial number in 2.c.i. Added milliohm bonding to test data result in 2.k.

3 Document Properties

Document Type	Supplier Quality Clause (Doc Type)
Summary	EQC detailing the requirement to: <ul style="list-style-type: none"> follow RL-PS-023 - Harness Manufacturing Process Specification for the manufacture of electrical harness provide a data package with each harness supplied.
References	N/A
Notes	N/A
Parent Manual	RL-QM-010
Security Level	Approved for Limited External Use
Export Classification	Not Subject to Regulation - No Technical Data

Legal Warning

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