



IEC QUALITY ASSESSMENT SYSTEM (IECQ)

covering Electronic Components,
Assemblies, Related Materials and Processes

For rules and details of the IECQ visit www.iecq.org

Schedule of Scope to Certificate of Conformity Approved Process

IECQ Certificate No.: IECQ-L ULTW 18.0001

CB Certificate No.: 20002839 ITL

Schedule Number: IECQ-L ULTW 18.0001-S Rev No.: 1 Revision Date: 2019/05/03 Page 1 of 2

Appendix-1 (20002839 ITL)

Schedule of Scope to Certificate of Approval

Description test	Standard
Electrostatic Discharge test (ESD-CDM)	JEDEC-JDS-002 AEC-Q100-011 EIAJ ED-4701/305
Electrostatic Discharge test (ESD-HBM/MM)	MIL-STD-883H Method 3015.8(HBM), ANSI-ESDA- JEDEC-JS-001(HBM) AEC-Q100-002(HBM) EIAJ ED-4701/304(HBM) JESD22-A115D(MM) AEC-Q100-003(MM) EIAJ ED-4701-1-C11(MM)
Electrostatic Discharge test (Latch-up)	ESD78D
High Temp Operating Life (HTOL)	JEDEC-22A-108 AEC-Q100;AEC-Q101;AEC-Q200
Precondition test / Moisture Sensitivity Level (MSL)	JEDEC-J-STD-020
Reflow	JEDEC-J-STD-020 JEDEC22-B102
High Temperature Storage test (HTST)	JEDEC-22A-103
Low Temperature Storage test (LTST)	IEC 60068-series MIL-STD-810/883 AEC-Q100;AEC-Q101;AEC-Q200
Accelerated Moisture Resistance-Unbiases (Unbiased HAST)	JEDEC-22A- 110 MIL-STD-810/883 AEC-Q100;AEC-Q101;AEC-Q200
Highly Accelerated Stress test (HAST)	JEDEC-22A-118 MIL-STD-810/883 AEC-Q100;AEC-Q101;AEC-Q200
Pressure Cooker test (PCT)	JEDEC-22A-102
Temperature Cycle test (TC)	JEDEC-22A-104 MIL-STD-810/883

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Description test	Standard
	IPC-9701 AEC-Q100;AEC-Q101;AEC-Q200
Temperature and Humidity test (THT)	IEC 60068-series MIL-STD-810/883 AEC-Q100;AEC-Q101;AEC-Q200
Temperature and Humidity with Bias test (THB)	JEDEC-22A-101 MIL-STD-810/883 AEC-Q100;AEC-Q101;AEC-Q200
Surface Mount Technology (SMT)	JEDEC-J-STD-020 IPC-A-610;IPC-7525 J-STD-001
Vibration test	JEDEC-22B-103 IEC-60068-series MIL-STD-810/883 AEC-Q100;AEC-Q101;AEC-Q200
Shock test	JEDEC-22B-104;JEDEC-22-B111 IPC-9703 IEC-60068-series MIL-STD-810/883 AEC-Q100;AEC-Q101;AEC-Q200
Focus Ion Beam + Field Emission Scanning Electron Microscope(FIB+FE SEM)	B-QA-LAB0-OI-13
Scanning Electron Microscope (SEM)	B-QA-LAB0-CM-09
Energy-Dispersive Spectroscopy (EDS)	B-QA-LAB0-OI-13 B-QA-LAB0-CM-09
Scanning Acoustic Microscopy (SAM)	B-QA-LAB0-OI-17
Atomic Force Microscopr (AFM)	B-QA-LAB0-OI-22
X-ray	B-QA-LAB0-OI-18
Sample Preparation	B-QA-LAB0-OI-21

Technical Reviewer of DQS: _____

Date: 5/3/2019

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