



Schedule of Scope to Certificate of Approval Independent Testing Laboratory

IECQ Certificate No.: IECQ-L ULTW 21.0001

CB Certificate No.: 50600378 ITL

Schedule Number: IECQ-L ULTW 21.0001-S Rev No.: 3 Revision Date: 2024/01/14 Page 1 of 2

Appendix-1 (50600378 ITL) Schedule of Scope to Certificate of Approval

Description test	Standard
I-V Probe station	WI-LM-0120
InGaAs microscope/Optical Beam Induced Resistance Change (OBIRCH)	WI-LM-0121
Scanning Acoustic Tomography (SAT).	WI-LM-0333
2D X-ray	WI-LM-0364
Secondary Electron Microscope (SEM)	WI-LM-0302
Electrostatic Discharge (ESD) /Latch-up (Heating by Thermo stream)	HBM: ANSI/ESDA/JEDEC JS-001; AEC-Q100-002 ; MIL-STD-883 MM: JED22-A115; AEC-Q100-003 CDM: ANSI/ESDA/JEDEC JS-002; JESD22-C101; AEC-Q100-011 Latch up: JESD78; AEC-Q100-004
High Temperature Operating Life (HTOL)	JEDEC-22A-108 AEC-Q100; AEC-Q101; AEC-Q200
Early Life Failure Rate (ELFR)	JESD74 AEC-Q100; AEC-Q104
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
Temperature and Humidity test (THT)	IEC 60068-series 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

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DQS-Group - DQS Taiwan Inc., Feng Yuan Dist., Taichung City, Taiwan





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Description test	Standard
Accelerated Moisture Resistance-Unbiases (Unbiased HAST)	JEDEC-22A- 110 MIL-STD-810/883 AEC-Q100; AEC-Q101; AEC-Q200
Pressure Cooker test (PCT)	JEDEC-22A-102
Temperature and Humidity with Bias test (THB)	JEDEC-22A-101 MIL-STD-810/883 AEC-Q100; AEC-Q101; AEC-Q200
Precondition test / Moisture Sensitivity Level	JEDEC-J-STD-020
Reflow	JEDEC-J-STD-020 JEDEC22-B102
Solderability (SD)	IPC-J-STD-002D
Solder ball shear	JESD22-B117

Technical Reviewer of DQS:  Date: 01/14/2024

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