



Schedule of Scope to Certificate of Conformity Approved Process

IECQ Certificate No.: IECQ-P ULTW 16.0003-03

CB Certificate No.: T1107-3

Schedule Number: IECQ-P ULTW 16.0003-03-S Rev No.: 4 Revision Date: 2018/09/20 Page 1 of 4

Appendix-1 (T1107-3) Schedule of Scope to Certificate of Approval

Description test	Standard	Remarks
SEM	T-SEM-3	By customer requirement
TEM-EELS	T-TEM-3	By customer requirement
EDS	T-SEM-3, T-TEM-3	By customer requirement
FIB	T-FIB-3	By customer requirement
SIMS	T-SIM-3	By customer requirement
AFM	T-SIM-3	By customer requirement
SRP	T-SIM-3	By customer requirement
Alpha step	T-SIM-3	By customer requirement
XRD	T-SIM-3	By customer requirement
XPS	T-SIM-3	By customer requirement
X-Ray	T-EFA-3	By customer requirement
EMMI	T-EFA-3	By customer requirement
EMMI-InGaAs	T-EFA-3	By customer requirement
OBIRCH	T-EFA-3	By customer requirement

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C-AFM	T-EFA-3	By customer requirement
Scanning Acoustic Tomography	T-EFA-3	By customer requirement
Optical Microscope	T-OMI-3	By customer requirement
3D Optical Microscope	T-LAB-3	By customer requirement
Optical Profiler	T-SIM-3	By customer requirement
IC Layout Imaging	T-OMI-3	By customer requirement
Circuitry analysis	T-OMI-3	By customer requirement
Auger	T-SIM-3	By customer requirement
THEMOS	T-EFA-3	By customer requirement
3D X-Ray	T-EFA-3	By customer requirement
Latch-up	JEDEC78	Or customer specified test
HBM	JS-001	Or customer specified test
MM	JS-001	Or customer specified test
CDM	JS-002	Or customer specified test
ESD Gun	IEC 61000-4-2	Or customer specified test
TLP	ESDA	Or customer specified test
Wire Bonding	NA	By customer requirement

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IC Package	NA	By customer requirement
Pull and shear test	MIL-STD-883J method 2011.9 MIL-STD-883J method 2023.7 AEC-Q100-001 EIA/JESD22-B116 JESD22-B117	Or customer specified test
High Temperature Operation Life test (HTOL)	JESD22-A108, IEC 60068-2-1	Or customer specified test
Low Temperature Operation Life test (LTOL)	JESD22-A108, IEC 60068-2-1	Or customer specified test
Bias Life test (BLT)	JESD22-A108	Or customer specified test
Temperature Cycling test (TCT)	JESD22-A104	Or customer specified test
Temperature variation test (TCC)	IEC 60068-2-14/33	Or customer specified test
Thermal Shock test (TST)	JESD22-A106	Or customer specified test
High Temperature Storage test (HTST)	IEC 60068-2-2	Or customer specified test
Low Temperature Storage test (LTST)	IEC 60068-2-1	Or customer specified test
Pressure Cooker test (PCT/UB-HAST)	JESD22-A102	Or customer specified test
Highly Accelerated Stress test (HAST)	JESD22-A110	Or customer specified test
Temperature and Humidity Storage test (THST)	IEC 60068-2-3	Or customer specified test
Temperature and Humidity with Bias test (THB)	JEDEC22 A101	Or customer specified test
Pre-conditioning test	JESD22-A113	Or customer specified test
Reflow test	J-STD-020	Or customer specified test

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Solderability test	J-STD-002	Or customer specified test
SMT	IPC-A-610E/H	Or customer specified test
Electro-migration test	IPC TM650 2.6.25	Or customer specified test
Conductive resistance test	IPC 9701	Or customer specified test

Technical Reviewer of DQS: Michael Chou Date: Sep. 6, 2018

US-NAI, ECCC T.R.C.C. sign: Joe Lee Date: Sep. 10, 2018

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