



Schedule of Scope to Certificate of Conformity Approved Process

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

CB Certificate No.: 20003649 ITL

Schedule Number: IECQ-L ULTW 16.0003-03-S Rev No.: 4 Revision Date: 2019/07/20 Page 1 of 4

Appendix-1 (20003649 ITL) Schedule of Scope to Certificate of Approval

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

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





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

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

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Solderability test	J-STD-002
SMT	IPC-A-610E/H
Drop test	ISTA 2A, IEC 60068-2-32
Vibration test and Shock Test	IEC 60068-2-6/27/29/34/64
Salt atmosphere street test	JESD22-A107, IEC 60068-2-11/52
Gas corrosion test	IEC 60068-2-42/43/49/60
Electro-migration test	IPC TM650 2.6.25
Conductive resistance test	IPC 9701

Technical Reviewer of DQS: Michael Chou Date: 7/20/2019

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