



# IEC QUALITY ASSESSMENT SYSTEM (IECQ)

covering Electronic Components,  
Assemblies, Related Materials and Processes

For rules and details of the IECQ visit [www.iecq.org](http://www.iecq.org)

## Schedule of Scope to Certificate of Conformity

### Independent Testing Laboratory

IECQ Certificate No.: IECQ-L ULTW 22.0003-01

CB Certificate No.: 50600440 ITL

Schedule Number: IECQ-L ULTW 22.0003-01-S Rev No.: 1 Revision Date: 2022/01/17 Page 1 of 2

## Appendix-1 (50600440 ITL)

### Schedule of Scope to Certificate of Approval

Test Items	Standard/Method
ESD Human Body Model (HBM)	ANSI/ESDA/JEDEC JS-001-2017 AEC-Q100-002 AEC-Q101-001 MIL-STD-883
ESD Machine Model (MM)	JESD22-A115
ESD Charged Device Model (CDM)	ANSI/ESDA/JEDEC JS-002-2018 AEC-Q100-011 AEC-Q101-005
IC Latch-Up Test (LU)	JESD78 AEC-Q100-004 MIL-STD-883
Preconditioning Test	JESD22-A113 IPC/JEDEC J-STD-020 IPC/JEDEC J-STD-033
Acoustic Microscopy for Nonhermetic Encapsulated Electronic Components	IPC/JEDEC J-STD-035
High / Low Temperature Operating Test (HTOL / LTOL)	JESD22-A108 MIL-STD-883 MIL-STD-750
Temperature and Bias Life Test	AEC-Q101 AEC-Q102 JESD22-A108 MIL-STD-750 MIL-STD-883
High Temperature Storage Life Test	JESD22-A103
Low Temperature Storage Life Test	JESD22-A119
Program / Erase Endurance and Data Retention Stress Test (EDR)	JESD22-A117 AEC-Q100-005

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





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Early Life Failure Rate (ELFR)	JESD74 AEC-Q100-008 JESD85
Highly Accelerated Temperature and Humidity Stress Test (HAST)	JESD22-A110
Accelerated Moisture Resistance - Unbiased HAST (UHAST) & Unbiased Autoclave (AC)	JESD22-A118 JESD22-A102
Temperature-Humidity Biased Life Test	JESD22-A101
Cycled Temperature and Humidity Biased Life Test (Moisture Resistance)	JESD22-A100 MIL-STD-883
Temperature Cycling Test	JESD22-A104 MIL-STD-883
Power and Temperature Cycling Test	JESD22-A105
Intermittent Operational Life	MIL-STD-750
Temperature Shock Test	MIL-STD-810
Moisture Sensitivity Level (MSL)	JESD22-A113 IPC/JEDEC J-STD-020 IPC/JEDEC J-STD-033
Thermal Stress Test	IPC/JEDEC J-STD-020 IPC-TM-650 Method 2.6.27
Moisture and Insulation Resistance Test and Conductive Anodic Filament (CAF) Resistance	IPC-TM-650 Method 2.6.3 IPC-TM-650 Method 2.6.25
Dye and Pull Test (Dye and Pry Test)	IPC-TM-650 Method 2.4.53
Solderability Test	IPC J-STD-002 IPC J-STD-003

Technical Reviewer of DQS:

*Michael Chou*

Date: 1/17/2022

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