IEC QUALITY ASSESSMENT SYSTEM (IECQ)

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IECQ Certificate of Approval
Independent Testing Laboratory

IECQ Certificate No.: **IECQ-L DEKRA 16.0002** Issue No.: **8** Status: **Current**
Supersedes: IECQ-L DEKRA 16.0002 Issue 7 Issue date: **2026-10-22** Initial: **2016-08-17**
CB Reference No.: DEKRA-T5A-003 Expiration: **2028-08-16**

Applicant: **Integrated Service Technology Inc.**
No.10-1, Lixing 1st Rd., East Dist., Hsinchu City, Taiwan

The organization, facilities and procedures have been assessed by the IECQ Conformity Assessment Body in accordance with IECQ 03-1 and IECQ 03-6 for issuance of this certificate and found to be in conformity with the applicable requirements of the IECQ Independent Testing Laboratory Assessment Program Requirements Scheme and in respect of the listed standard(s) or specification(s) for the testing of component product under the IECQ:

- **ISO/IEC 17025:2017** - General requirements for the competence of testing and calibration laboratories

Scope:

-
Environmental and Reliability Testing of Electronic Components, Assemblies, and Related Materials
-
See attached Schedule of Scope
-

-- Attached schedule(s): IECQ-L DEKRA 16.0002-S_2.pdf

Issued by: **DEKRA Certification B.V.**
Meander 1051, Arnhem, Netherlands
https://www.dekra-product-safety.com/en/about-dekra/locations/europe/netherlands/arnhem

Authorised person: Rosa Zhou

The validity of this certificate is maintained through on-going surveillance audits by the IECQ CB issuing this certificate.
This Certificate of Conformity may be suspended or cancelled (withdrawn) in accordance with the Rules of Procedure of the IECQ System.
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Additional sites covered by this IECQ certification

IECQ Certificate No.: IECQ-L DEKRA 16.0002 Issue No.: 8

IECQ-L DEKRA 16.0002-01 Site Added: **2016-08-17**

Integrated Service Technology Inc.
1F, No. 19/22 Pu-Ding road, Hsinchu City, 300, Taiwan, Taiwan
Scope of activity at this site:
- Environmental and Reliability Testing of Electronic Components, Assemblies, and Related Materials - See attached Schedule of Scope -

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IECQ-L DEKRA 16.0002-02 Site Added: **2017-12-22**

Integrated Service Technology Inc.
No.15, Yuanqu 2nd Rd., East Dist., Hsinchu City, 30075, Taiwan
Scope of activity at this site:
- Environmental and Reliability Testing of Electronic Components, Assemblies, and Related Materials - See attached Schedule of Scope -

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IECQ-L DEKRA 16.0002-03 Site Added: **2023-05-06**

integrated Service Technology Inc.
2F.-2, No. 6, Taiyuan 1st St., Zhubei City, Hsinchu County, 302082, Taiwan
Scope of activity at this site:
- Environmental and Reliability Testing of Electronic Components, Assemblies, and Related Materials - See attached Schedule of Scope -

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IECQ-L DEKRA 16.0002-04 Site Added: **2025-08-14**

Integrated Service Technology Inc.
1F., No. 38, Taiyuan St., Zhubei City, Hsinchu County, 302082, Taiwan
Scope of activity at this site:
- Environmental and Reliability Testing of Electronic Components, Assemblies, and Related Materials - See attached Schedule of Scope -

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IECQ-L DEKRA 16.0002-05 Site Added: **2025-08-14**

Integrated Service Technology Inc.
4F., No. 669, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, 310019, Taiwan
Scope of activity at this site:
- Environmental and Reliability Testing of Electronic Components, Assemblies, and Related Materials - See attached Schedule of Scope -

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IECQ-L DEKRA 16.0002-06 Site Added: **2026-10-08**

integrated Service Technology Inc.
6 F.-2, No. 2-1, Lixing Rd.,Hsinchu Science Park, Hsinchu City 300094, Taiwan
Scope of activity at this site:
- Environmental and Reliability Testing of Electronic Components, Assemblies, and Related Materials - See attached Schedule of Scope -

Schedule of Scope to Certificate of Approval

Independent Testing Laboratory

IECQ Certificate No.: IECQ-L DEKRA 16.0002

CB Certificate No.: DEKRA-T5A-003

Environmental and Reliability Testing of Electronic Components, Assemblies, and Related Materials

Description test	Standard
Steady-Status Temperature and Humidity Bias Life Test (THB)	JESD22-A101, AEC-Q100, AEC-Q101, AEC-Q200, MIL-STD-202
High Humidity High Temp. Reverse Bias (H3TRB)	JESD22-A101, AEC-Q101
Power and Temperature Cycling (PTC)	JESD22-A105, AEC-Q100, AEC-Q101
High Temperature Operation test (HTOL)	JESD22-A108, AEC-Q100, AEC-Q200, MIL-STD-202
Low Temperature Operation test (LTOL)	JESD22-A108
High Temperature Reverse Bias (HTRB)	JESD22-A108, AEC-Q101, MIL-STD-750, MIL-STD-883
High Temperature Gate Bias (HTGB)	JESD22-A108, AEC-Q101
Early Life Failure Rate (ELFR)	JESD22-A108, AEC-Q100
Highly Accelerated Stress Test (HAST)	JESD22-A110, AEC-Q100, AEC-Q101
Electrically Erasable Programmable ROM (EEPROM) Program/Erase Endurance and Data Retention Stress Test (Endurance and Data Retention)	JESD22-A117, AEC-Q100,
Power Cycling	JESD22-A122
NVM Endurance, Data Retention, and Operation Life (EDR)	AEC-Q100
Electromigration (EM)	JEP001, JESD61, JESD87, AEC-Q100
Stress Migration (SM)	JEP001, JEP139, JESD87, AEC-Q100
Steady-Status operation life	MIL-STD-750, MIL-STD-883
SAT	J-STD-020
2D X-ray	IPC-A-610
3D X-ray	A00-340-30071
3D OM	A00-340-30066
Reflow test	J-STD-020
Solderability test	J-STD-020, JESD22-B102
Chemical Analysis	IEC62321, EN14582, IPC-TM-650

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Schedule of Scope to Certificate of Approval

Independent Testing Laboratory

IECQ Certificate No.: IECQ-L DEKRA 16.0002

CB Certificate No.: DEKRA-T5A-003

X-section/ SEM		IPC-TM-650, IPC-A-610, JESD22-A121A
OBIRCH		A00-510-30003
InGaAs		A00-510-30028
Thermal EMMI		A00-510-30038
Surge		A00-510-30043
TLP		A00-510-30010
I-V measurement		A00-510-30029
Sample Preparation (Decap)		A00-520-30041
2nd level integration platform service (Military)	Pre-SMT	J-STD-020, JESD22-A113
	SMT	IPC-7525, IPC-A-610, JESD22-A111, J-STD-002, J-STD-003, MIL-STD-202
	Temperature Cycling test	IPC-9701, JESD22-A104, JESD22-A106 EIAJ ED-4702, AEC-Q007, AEC-Q104 IEC-60068-2-14, MIL-STD-202, MIL-STD-750, MIL-STD-810, MIL-STD-883
	Temperature-Humidity test	JESD22-A101, MIL-STD-202, MIL-STD-750, MIL-STD-810, MIL-STD-883
	Drop/Shock	JESD22-B110, JESD22-B111, AEC-Q104 MIL-STD-202, MIL-STD-750, MIL-STD-810, MIL-STD-883
	Vibration	JESD22-B103, AEC-Q104, MIL-STD-202 MIL-STD-750, MIL-STD-810, MIL-STD-883
	Hermeticity	JESD22-A109
	Package Warpage Measurement of Surface-Mount Integrated Circuits at Elevated Temperature	JESD22-B108, JESD22-B112, JESD22-B110
	Printed Wiring Board Strain Gage Test	IPC-9703

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