



## Schedule of Scope to Certificate of Approval Independent Testing Laboratory

IECQ Certificate No.: IECQ-L DEKRA 17.0001

CB Certificate No.: DEKRA-C10-001

Schedule Number: IECQ-L DEKRA 17.0001-S    Rev No.: 1    Revision Date: 2017/06/06    Page 1 of 1

**1. Failure analysis test of PCBA and electromechanical components**

- Cross section test
- Scanning acoustic microscope test
- X-ray/ Radiography test
- Scanning electron microscope test
- Visual inspection test
- Focused ion beam test
- Emission microscope test
- Probe test
- Electrostatic discharge test (HBM/MM)
- Latch-up test

**of Electronic Components, Assemblies, and Related Materials**

Description test	Standard	Remarks
Consumer / Commercial / Industrial (JESD 47) and Automotive / Military electromagnetic compatibility and electrostatic discharge test. (Including : HBM / MM / Latch Up )	JEDEC22-A114/A115/C101 EIA/JESD78 ANSI JEDEC ESDA JS001/JS002 AEC-Q100-002/003/004/011 AEC-Q101-001/002/005 AEC-Q200-002, JEITA ED4701 IEC61000-4-2 MIL-STD-883	Or customer specified test
Failure and material analysis of semiconductor IC, electronic components and PCB/PCBA, including FIB (Focused Ion Beam), Electrical Analysis, Sample Preparation (Decap, X-section, etc), NDE (Non-destructive Engineering), Physical & Chemical Analysis (Including Hazardous Substances) and IC package.	IPC-TM-650, IPC-610, J-STD-020, JEDEC-C201, EIA-469, EN14582. IPC-TM-650 2.1.1 IPC-A-600H IPC-A-610E IPC-A-610F IPC-6012C J-STD-035 J-STD-020D.1 JESD22A121 JESD201 MIL-STD-883J Method 1034.1 MIL-STD-883J Method 2012.8 MIL-STD-883J Method 2018.5 MIL-STD-883J Method 2009.10 MIL-STD-883J Method 2018.5	Or customer specified test

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