



Schedule of Scope to Certificate of Approval Independent Testing Laboratory

IECQ Certificate No.: IECQ-L DEKRA 16.0002-01

CB Certificate No.: DEKRA-T5B-003

Schedule Number: IECQ-L DEKRA 16.0002-01-S Rev No.: 6 Revision Date: 2025/07/20 Page 1 of 2

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

Description test	Standard
TEM analysis	A00-530-30057, A00-530-30197
DUAL BEAM FIB analysis	A00-530-30130
FIB (Focused Ion Beam) analysis	A00-530-30130
SA-XPS	ISO 15472, ISO 24237
SA-FTIR	ASTM E1252, ISO 23210
SA-AFM	ISO 18115, ISO 11801
SA-XRD	ISO 22291, ASTM E1424, ASTM E1181
SA-TMA	ASTM E831, ASTM D696, ASTM D3386, ISO 11359-2
HBM	MIL-STD-883, JEDEC-114, ANSI/ESDA/JEDEC JS-001, AEC-Q100, AEC-Q101, EIAJ ED-4701/300
MM	JEDEC-A115, ANSI/ESD STM5.2, EIAJ ED-4701/300
CDM	ANSI/ESDA/JEDEC JS-002, JEDEC22-C101, AEC-Q100, AEC-Q101
Latch Up	JESD78, AEC-Q100
ESD Gun	AEC-Q200, IEC61000-4-2, ISO10605
FIB (Focused Ion Beam)	A00-310-30001
Printed Wiring Board Strain Gage Test	IPC-9703, IPC-9704
Board Level Reliability (BLR) Testing	AEC-Q007
Dye and Pry	IPC-TM-650
Hermeticity	JESD22-A109
Lead Integrity	JESD22-B105
Marking Permanency (RCA)	JESD22-B107
Mechanical Compressive Static Stress Test	JESD22-B119

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DEKRA Certification B.V. Meander 1051, Arnhem. Netherlands





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Pencil Hardness Test	ASTM D3363
Solder Ball Pull	JESD22-B115, IPC-9708
Shear	JESD22-B117, AEC-Q100, JESD22-B116
Solderability Tests	J-STD-002, J-STD-003, IPC-A-610
Temperature-Humidity Test	JESD22-A101, MIL-STD-810
Durability	ASTM F2357, EIA-364-13, EIA-364-09, ASTM D3363
Pull and Push test	EIAJ ED-4702, AEC-Q200, MIL-STD-883
Bending	AEC-Q200-005, IPC-9707, IPC-9702, JESD22-B113, SEMI G86-0217
Temperature Cycling	JESD22-A104, IPC-9701, JESD22-A106, MIL-STD-810, IEC 60068-2
Resistance to Solder Heat	JESD22-B106, MIL-STD-750, MIL-STD-202
Resistance to Wave Soldering	JESD22-A111

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