



Schedule of Scope to Certificate of Approval Independent Testing Laboratory

IECQ Certificate No.: IECQ-L DEKRA 17.0003-01

CB Certificate No.: DEKRA-C12-001

Schedule Number: IECQ-L DEKRA 17.0003-01-S Rev No.: 1 Revision Date: 2017/11/15 Page 1 of 1

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

Description test	Standard	Remarks
High temperature testing	ASTM D4169;BELL Core GR-63;GB 2423.2;IEC 60068-2-2;ISO 16750;VW 80000;GMW 3172;ISO 9022;PSA B21 7130;IPC-TM-650;JESD22-A103;JESD22-A108;MGRES:62.21.001	Or customer specified test
Humidity testing	GB 2423.9;IEC 60068-2-30/78;ISO 16750;ISO 12097;VW 80101;GMW 3172;TL-226;MGRES:62.21.001;ISO 9022;PSA B21 7130;BELL Core GR-63;ISTA;MIL-STD-810;IPC-TM-650;JESD22-A101	Or customer specified test
Low temperature testing	ISTA;GB 2423.1;IEC 60068-2-1;ISO 1675;VW 80000;GMW 3172;TL-226;MGRES:62.21.001;ISO 9022;MIL-STD-202;PSA B21 7130;IPC-TM-650;JESD22-A103;JESD22-A108	Or customer specified test
Flowing mixed gas corrosion testing	GB 2423.51;IEC 60068-2-42/43/60;ISO 16750;MGRES:62.21.001;EIA-364-65;IEC-60810;JIS C 0092;AEC-Q-101	Or customer specified test
Salt spray testing	ISO 9227;GB 2423.17/18;IEC 60068-2-11/52;52;ISO 16750;MIL-STD-883;GB 10485;GB/T19949;ISO 7253;VW 80000;GMW 3172;TL-226;MGRES:62.21.001;JIS H8502 ;ISO 9022;MIL-STD-202;MIL-STD-810;ASTM B117	Or customer specified test
Thermal shock testing	GB 2423.22;IEC 60068-2-14/41;GB/T19949;VW 80000;GMW 3172;MGRES:62.21.001;MIL-STD-202;IPC-TM-650;MIL-STD-810;JESD22 A 106	Or customer specified test
Vibration testing	GB 2423.10/56;IEC 60068-6/64;ISO 12097;DELL spec;VW 80000;GMW 3172;MGRES:62.21.001;EIA-364;JESD22-B103;MIL-STD-202;MIL-STD-810;MIL-STD-883	Or customer specified test
Temperature / humidity cyclic testing	ISO 16750;GMW 3172	Or customer specified test
Temperature cyclic testing	IEC 60068-2-14;GB 2423.22;GB 10485;GMW 3172;PSA B21 7130;;MIL-STD-810;IPC-TM-650;JESD22-A104	Or customer specified test
Solar radiation testing	DIN 75220;IEC 60068-2-5;ISO 9022;MIL-STD-810	Or customer specified test
Environmental Stress Screening: Temperature /Humidity / Vibration testing	IEC 60068-2-53;VW80000, ISO 16750-3	Or customer specified test
Xenon arc lamp testing	ISO 105;ISO 11341;TL-226;SAE J2412;SAE J1960;SAE J2527;AATCC 16-3;AATCC 169-1	Or customer specified test

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