



Schedule of Scope to Certificate of Conformity Approved Process

IECQ Certificate No.: IECQ-L ULTW 09.0015
 CB Certificate No.: T1090

Schedule Number: IECQ-L ULTW 09.0015 Rev No.: 7 Revision Date: 2018/08/31 Page 1 of 3

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Description test	Standard	Remarks
High temperature test	ASTM D4169; BELL Core GR-63; ETSI-300019 IEC60068-2-2; ISO 16750; ISTA; MIL-STD-810 IPC-TM-650; JESD22-A103; JESD22-A108	Or customer specified test
Low temperature test	ASTM D4169; BELL Core GR-63; ETSI-300019 IEC60068-2-1; ISO 16750; ISTA; MIL-STD-810 IPC-TM-650; JESD22-A108; JESD22-A119	Or customer specified test
Humidity storage test	ASTM D4169; BELL Core GR-63; ETSI-300019 IEC60068-2-30; IEC60068-2-78; ISO 16750 ISTA; MIL-STD-810; IPC-TM-650; JESD22-A101	Or customer specified test
Temperature cycling tests	BELL Core GR-63; ETSI-300019; IEC60068-2-14 ISO 16750; MIL-STD-810; IPC-TM-650; JESD22- A104;	Or customer specified test
Thermal shock tests	JESD22 A106; BELL Core GR-63; ETSI-300019 IEC60068-2-14; ISO 16750; MIL-STD-810; IPC-TM-650; MIL-STD-2164(EC)	Or customer specified test
Temperature and Humidity Bias Life test	IPC-TM-650; JESD22-A101; MIL-STD-883 Method 1004.7; JESD22-A100	Or customer specified test
Bias and Operating Life test	JESD22-A108	Or customer specified test
Pressure Cooker test	JESD22-A102	Or customer specified test
Highly Accelerated Stress test	JESD22-A110; JESD22-A102; JESD22-A118	Or customer specified test

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



IEC QUALITY ASSESSMENT SYSTEM (IECQ)

covering Electronic Components,
Assemblies, Related Materials and Processes

For rules and details of the IECQ visit www.iecq.org

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Description test	Standard	Remarks
Vibration test	ASTM D4169; BELL Core GR-63; ETSI-300019; ISTA IEC60068-2-6; IEC60068-2-64; ISO 16750; JESD22-B103 MIL-STD-202;MIL-STD-810;MIL-STD-883; MIL-STD-2164(EC)	Or customer specified test
Mechanical Shock test	ETSI-300019; IEC60068-2-27; ISO 16750; JESD22-B104 MIL-STD-202; MIL-STD-810; MIL-STD-883; MIL-STD-1344	Or customer specified test
Free fall test	ASTM D4169; ETSI-300019; IEC60068-2-31; ISTA ISO 16750; MIL-STD-810	Or customer specified test
LED reliability tests	IEC-60810; AEC-Q-101; IES LM-80; AEC-Q-102;	Or customer specified test
LED driver reliability tests	IEC-60810; AEC-Q-101; AEC-Q-104	Or customer specified test
Automotive reliability tests	AEC-Q-100; AEC-Q-101; AEC-Q-102; AEC-Q-104; AEC-Q-200	Or customer specified test
Power Cycling	JESD22-A122;JESD22-A105	Or customer specified test
Intermittent Operational Life	MIL-STD-750-1 Method 1037	Or customer specified test
Pre-conditioning test	JESD22-A113	Or customer specified test
Reflow test	J-STD-020	Or customer specified test
Solderability test	J-STD-002 ; JEDECJ-STD-002 JESD22-B102	Or customer specified test
Steam aging test	J-STD-002	Or customer specified test
Resistance to Solder Heat	JESD22-A113;J-STD-020; AEC-Q005; JESD22-B106; J-STD-020	

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multi-function material test(Bending test)	JESD22-B113; IPC 9704;IPC 9702; IEC 60068-2-21	Or customer specified test
Conductive resistance test	IPC 9701	Or customer specified test.
Resistance measurement at single through holes test	IEC 61189-3-719	Or customer specified test

Technical Reviewer of DQS:  Date: 7/30/2018

US-NAI, ECCC T.R.C.C. sign:  Date: August 14, 2018

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