



Qualification Plan:

QV DEVICE NAME: 0W635-004-XTD, E7120-102A59-AG

PACKAGE: LGA17 5.97x3.43, SIP59 4.14 x 3.18

Test	Specification	Precondition	Condition	Interval	Results
Moisture Sensitivity Level (SAT)	JSTD-020D	N/A	30C/60%RH 192h 3x reflow 260C	N/A	Pending
Temperature Cycling (TC)	JESD22A-A104	30°C/60%RH 192 hours 3x reflow @ 260°C peak	-55°C, >=10min +125°C, >=10min 10C/min ramp 100 cycles Air to air	N/A	Pending
HTS	JEDEC-A103C	N/A	150°C	288h	Bridged to 0w635-004
ESD (HBM)	JESD22-A114	N/A	2kV	N/A	Bridged to 0w635-004
ESD (MM)	JESD22-A115	N/A	200V	N/A	Bridged to 0w635-004
Latch-up	JESD76	N/A	100mA	N/A	Bridged to 0w635-004
Light sensitivity	Custom	N/A	1000W	N/A	Bridged to 0w635-004
HAST	JEDEC-A110D	N/A	130°C / 85%RH 1.3V/ 2V bias	96h	Bridged to E7120
Thermal Shock	JESD22-A106B	30°C/60%RH 192 hrs, 3x reflow @ 260°C	-40°C / +85°C, liquid to liquid 15 cy	N/A	Bridged to E7120
Solderability – Reflow	Custom	30°C/60%RH 192 hrs	3x reflow @ 260°C	N/A	Bridged to E7120
Solderability – point to point	Custom	30°C/60%RH 192 hrs	3x point to point @ 300°C	N/A	Bridged to E7120

Estimated date for qualification completion: 23 November 2016

List of affected Standard Parts:	
Part Number	Qualification Vehicle
0W635-004-XTP	0W635-004-XTD
0W635-004-XTD	