PER-T248

Environment Test Report

Report NO: 15P020008

Summary	☑ **Pass** ☐ **Fail** Note : There is/are ___ defect(s) not list in the report, please check it in the DTS Website. ☐ **Pass with Deviation** **Comment: _____**

Issue date	Approval	Test Engineer
2015-03-31	**KJ Wang**	**Rex Chang**

Test item list

Testing Result

Num	Test item list	Result	Remark
1	Temperature variation operation test	Pass	
2	Cold start and hot start test	Pass	

Configuration of EUT

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Test Product: PER-T248 + AEC-6977

Sample Configuration & Quantity Under Test:

CAN BUS: PER-T248

1. Chipset: 32-Bit Flash Microcontroller R5F5630ADDFP

System: AEC-6977

1. CPU: Intel Core i7-3517 UE CPU @ 1.70 GHz
1. BIOS Ver. R1.1 (A977AM11) (12/10/2013)
2. Memory: Transcend 1GB / DDR3L 1333 / SEC K4B1G0846G
3. 2.5'' HDD: TOSHIBA MK1060GSC / 100GB
4. Test Software: Windows 7/ Run PER_T2488 + PassMark Burn In Test 7.1 Pro
5. Power Supply: FSP084-DMAA1

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Temperature variation operation test

Test Date: 03-29 ~ 31-2015

Test Site: AAEON QE Dept.

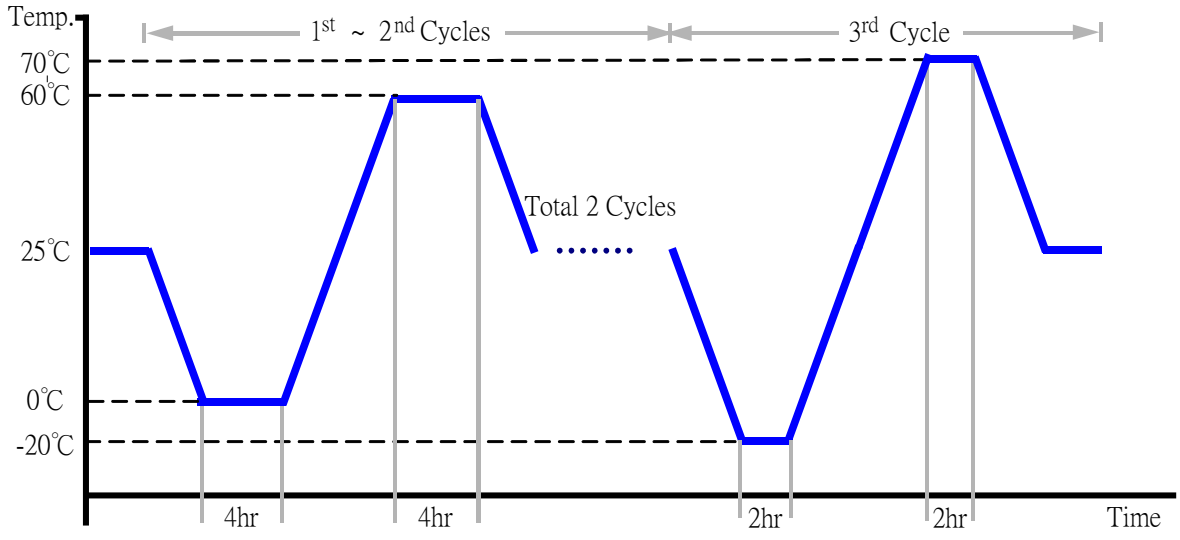
Test Standard: Refer to IEC 68-2-14 Testing procedures
Test N: Change of temperature Test

Test Equipment:

Programmable Temperature & Humidity Chamber (K.SON. INS. TECH. CORP.)
Model: THS-D4H+-100
Date of Calibration: 10/09/14
Serial Number: 2582

Temperature & Humidity Cycle Test:

1. Test Low Temperature: -20℃ (1~2 cycles)
   -25℃ (3rd cycle)
2. Test High Temperature: 70℃ (1~2 cycles)
   75℃ (3rd cycle)
3. Test dwell time: 4Hrs (1~2 cycles)
   2Hrs (3rd cycle)
4. Temperature slope: 2℃/min
5. Test cycle: 3 cycles
6. Test Environment Curve:



Test Result:

No issues were found during the temperature variation operation test.

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Cold start and hot start test

Test Date: 03-28~29-2015

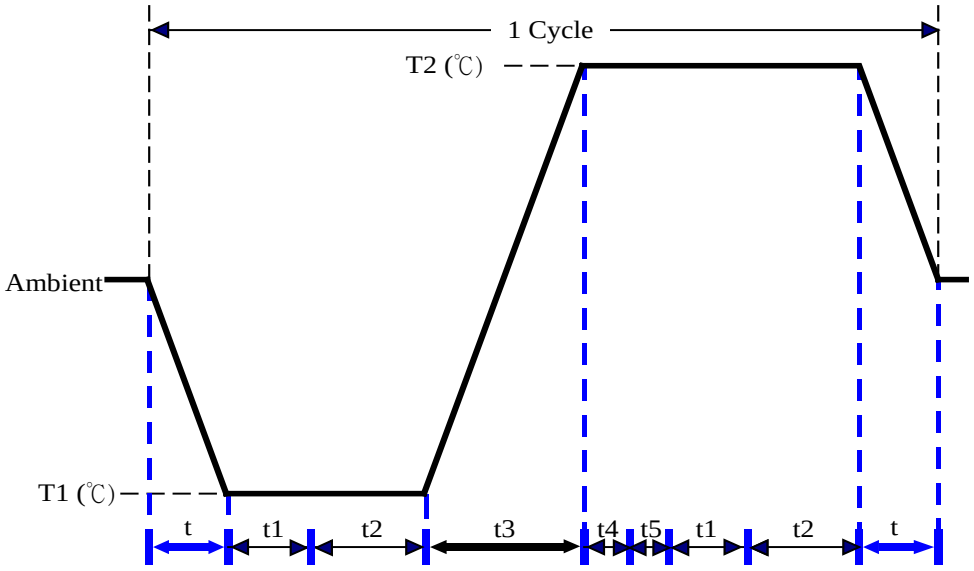
Test Site: AAEON QE Dept.

Test Standard: Refer to IEC 68-2-14 Testing procedures
Test N: Change of temperature Test

Test Equipment:

Programmable Temperature & Humidity Chamber (K.SON. INS. TECH. CORP.)
Model: THS-D4H+-100
Date of Calibration: 10/09/14
Serial Number: 2582

Test Condition:



Parameters	Description
T1	-25℃
T2	75℃
t1	1 hrs
t2	2 hrs
t4, t5	30 min
t, t3	2℃/min
n (Cycle)	1

t,t3 = temprature slope
t, t1: Power Off
t2: Power on/off test 10 times (on 2 min / off 5min)
t3,t4: Run PassMark Burn In Test
t5: Win 7 Software restart test 2 times
Test Software:Windows 7

Test Result:

a. No issues were found during the cold start test.

b. No issues were found during the hot start test.

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