

PFM-T096P

Environment Test Report

Report NO: 13E020015

Summary	<p><input checked="" type="checkbox"/> Pass</p> <p><input type="checkbox"/> Fail</p> <p>Note : There is/are ____ defect(s) not list in the report, please check it in the DTS Website.</p> <p><input type="checkbox"/> Pass with Deviation</p> <p>Comment: _____</p>
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Issue date

2013-07-11

Approval

Tom Lin

Test Engineer

Rex Chang

Test item list

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Testing Result

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

Configuration of EUT

Test Product: PFM-T096P A0.1 + PFM-CVS A1.0

Sample Configuration & Quantity Under Test:

1. PFM-T096P

1.1 PC/104 module PCI-104 96-channel DIO Module

2. PFM-CVS

2.1 CPU: Intel Atom N2800 / 1.86GHz

2.2 BIOS: PFCVAM13

2.3 Chipset: Intel Cedar View platform N2800 + Intel NM10

2.4 Memory: DSL 2GB/ DDR3 1066 ELPIDA J1108BFBG-DJ-F

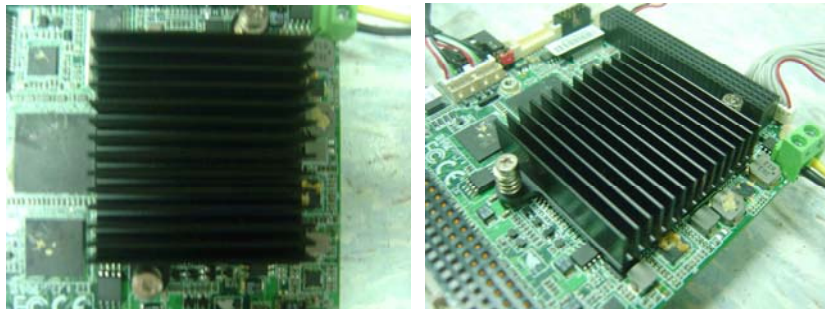
2.5 2.5" HDD: TOSHIBA MK1676GSX 160GB

2.6 Test Software: Windows 7

/ Run PFM_T096 Firmware Version: T09620130527V0.1

2.7 AT Power Supply: ZIPPY HG2-6400P

2.8 Heat Sink:



Temperature variation operation test

Test Date: 07-10~11 -2013

Test Site: AAEON QE Dept.

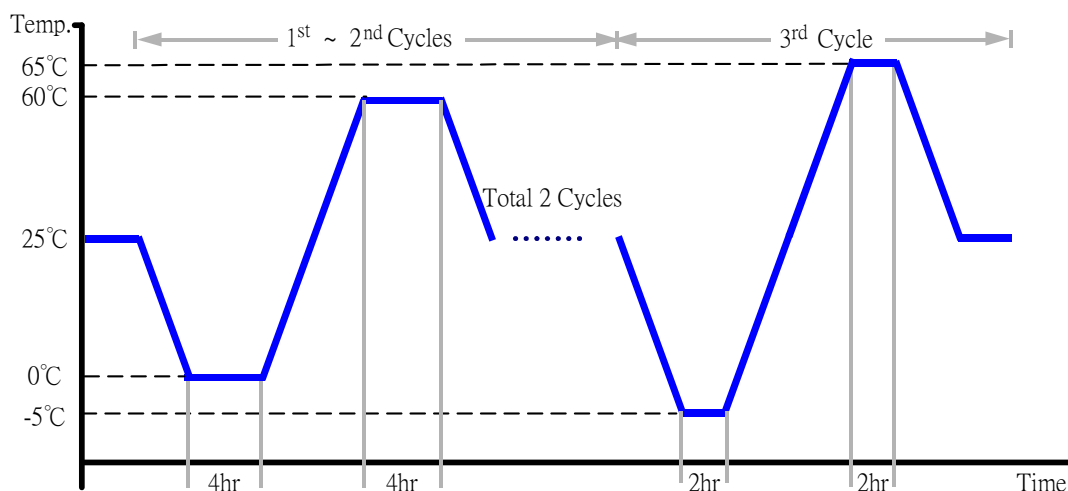
Test Standard: Refer to IEC 68-2-14 Testing procedures
Test N: Change of temperature Test

Test Equipment:

Programmable Temperature & Humidity Chamber
K.SON. INS. TECH. CORP.
Model: THS-B6T-150+LN2
Date of Calibration: 12/06/12
Serial Number: 6487KT

Temperature & Humidity Cycle Test:

1. Test Low Temperature: 0°C (1~2 cycles)
-5°C (3rd cycle)
2. Test High Temperature: 60°C (1~2 cycles)
65°C (3rd cycle)
3. Test dwell time: 4Hrs (1~2 cycles)
2Hrs (3rd cycle)
4. Temperature slope: 2°C/min
5. Test cycle: 3 cycles
6. Test Environment Curve:



Test Result:

No issues were found during the temperature variation operation test.

Cold start and hot start test

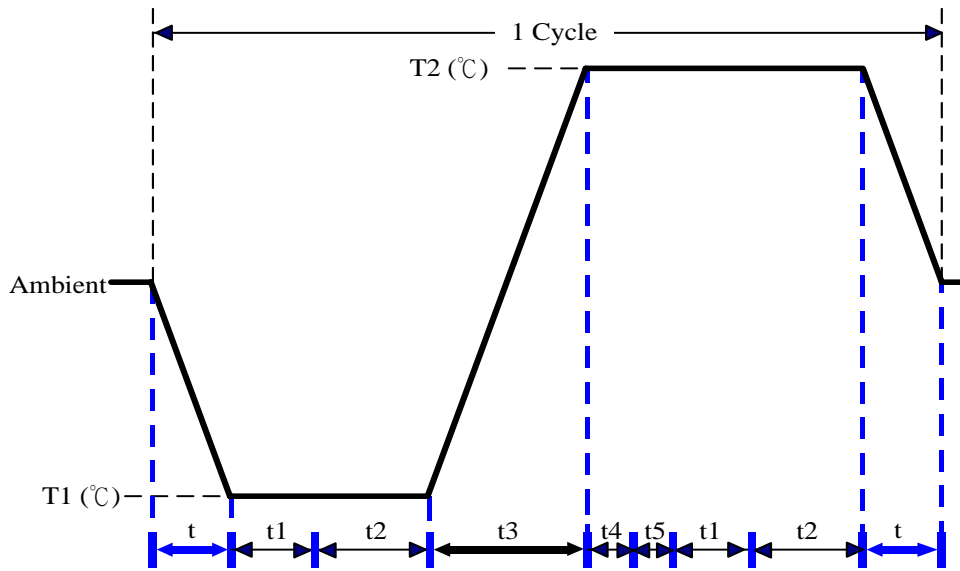
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Test Site: AAEON QE Dept.

Test Standard: Refer to IEC 68-2-14 Testing procedures
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Test Equipment:
 Programmable Temperature & Humidity Chamber
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 Model: THS-B6T-150+LN2
 Date of Calibration: 12/06/12
 Serial Number: 6487KT

Test Condition:



Parameters	Description
T1	-5°C
T2	65°C
t1	1 hrs
t2	2 hrs
t4, t5	30 min
t, t3	2°C/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 PFM_T096
 t5: Windows 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.