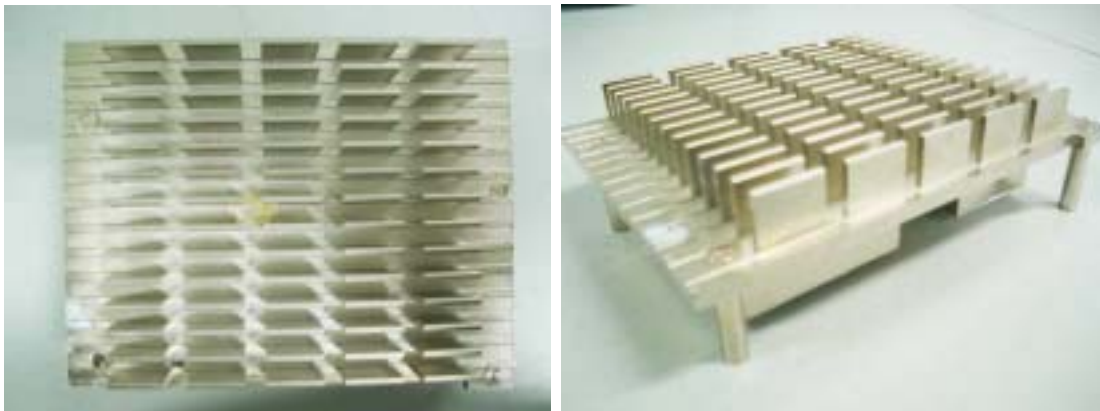


1. Test item list -----	2
2. Temperature cycle operation test -----	3
3. High temperature storage test -----	6
4. Low temperature storage test -----	7
5. Humidity test-----	8
6. Cold start test-----	9

Test Configuration:

Num	Item	Spec
1.	Operator Panel:	AOP-8120
	1.LCD	12.1" TORISAN MXS121022010 800*600
	2.Power	Mean Well PD-65A
	3. Inverter	King Core HY1006LINV-00630-0105
2.	CPU Board:	MPC-6800 Rev: A0.3
	1. Bios Ver.	AOP-8120 Bios Ver.0.2 (04/26/2004)
	2.CPU	Onboard Intel ULV Celeron 650MHz
	3.Memory	ELPIDA DD2516AKTA-7A 256MB(PC-133)
	4.HDD	Fujitsu MHT2040AT 40GB

CPU Cooler :



AOP-8120 (MPC-6800 Rev: A0.3)

Test Date: 07-30~08-02-2004

Test Product: AOP-8120 (MPC-6800 Rev: A0.3)

Test Site: AAEON QA Internal Lab.

Performed By: Rex Chang

Test Standard:

Reference IEC 68-2-61 Testing procedures
Test Z/ABD: Climatic Sequence Test

Test Equipment:

Programmable Temperature & Humidity Chamber
K.SON. INS. TECH. CORP.
Model: THS-D4H+-100
Date of Calibration: 05/24/04
Serial Number: 1241

Temperature Measurement:

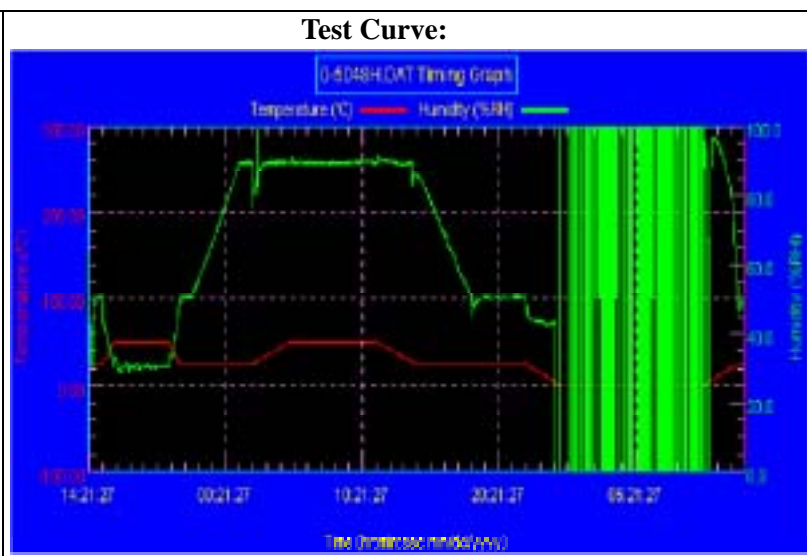
20 Channel Thermal Recorder:
YOKOGAWA Inc,
Model: DA100-13-1D
Date of Calibration: 12/25/03
Serial Number: 12A323190

Test O.S. / Software:

Windows 2000 / Run six Microsoft media player simultaneously.

Temperature & Humidity Cycle Test:

Testing Specification			
Step	Temperature ()	Humidity (%RH)	Duration (HH:MM)
1	25	50	00:30
2	25	50	00:30
3	50	30	00:50
4	50	30	04:00
5	25	50	00:50
6	25	50	00:50
7	25	90	03:30
8	25	90	01:00
9	50	90	02:46
10	50	90	06:21
11	25	90	02:46
12	25	50	04:07
13	25	50	03:30
14	25	50	00:30
15	0	0	02:30
16	0	0	10:30
17	25	50	02:30
18	25	50	00:30



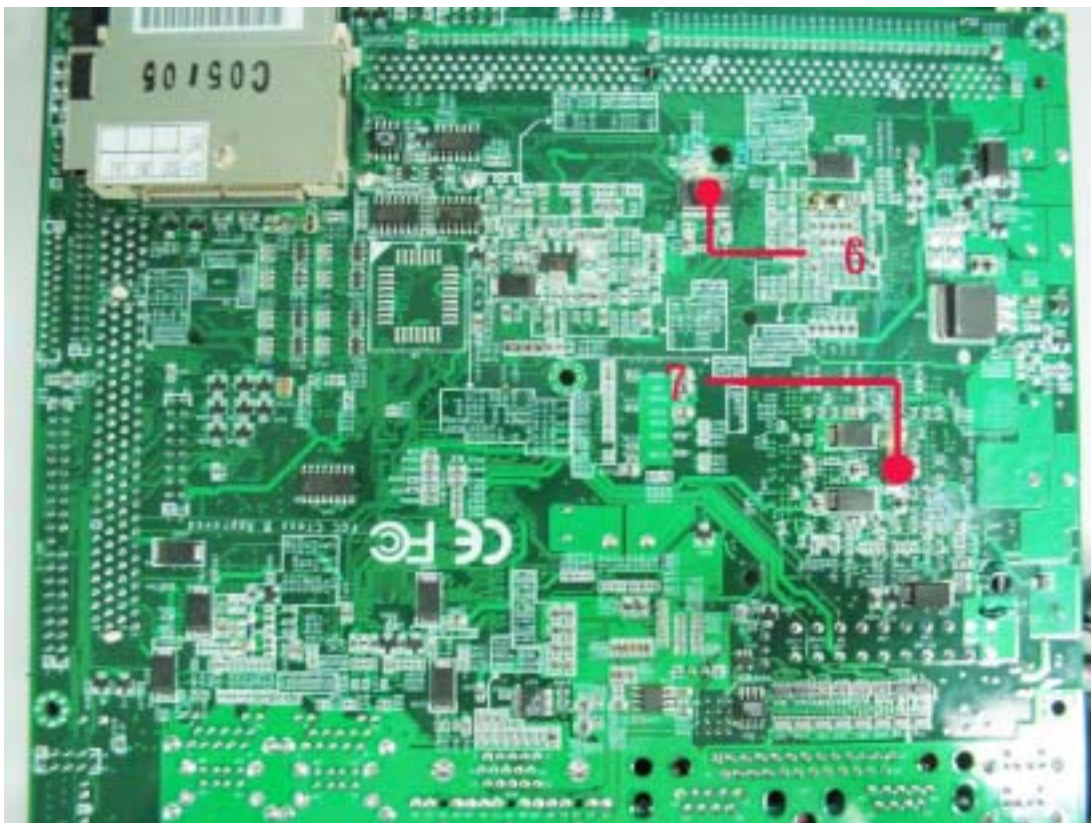
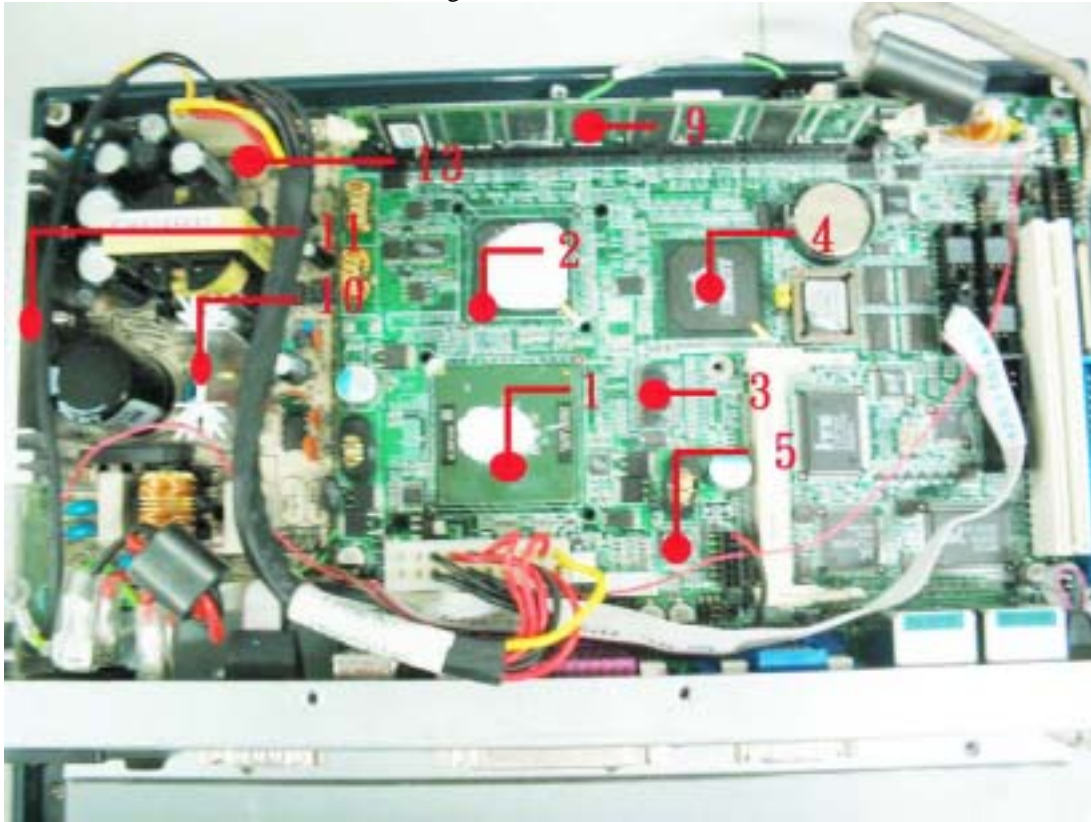
Sample Configuration & Quantity Under Test:

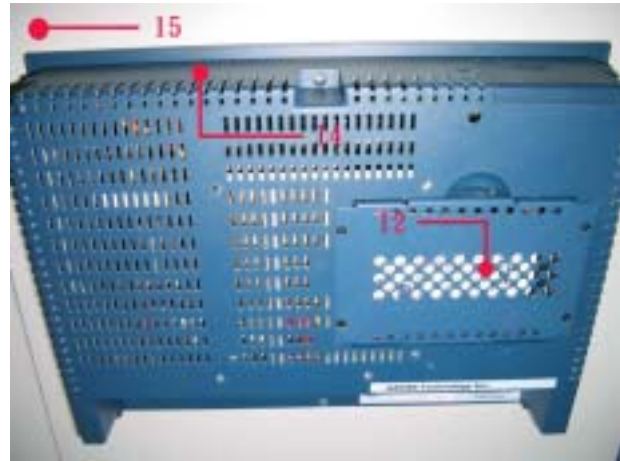
Using one AOP-8120.

AOP-8120 (MPC-6800 Rev: A0.3)

Temperature Recorder:

Measuring Accelerometer Position:





Thermal profile data:

AOP-8120

Point	Temp. Stage	50	25	0
1. INTEL CPU.Celeron.650MHz.Ultra Low Power.Micro FC-BGA		100.7	70.5	42.1
2. U4 IC.SMD.BGA 548P.Rev.CE.North Bridge Chipset.VIA.VT8623(CLE266)		99.3	70.1	42.2
3. U9 IC.SMD.SSOP 48P.FTG for VIA Pro-266 DDR.CYPRESS.W311		90.7	65.2	39.7
4. U6 IC.SMD.BGA 487P.South Bridge Chipset.VIA.VT8235		92.8	67.5	41.9
5. U13 IC.SMD LQFP 48Pin.6 Channel AC'97 Audio Codec.REALTEK.ALC655		77.5	52.0	26.6
6. U11 IC.SMD.SSOP 28P.12 Output Buffer.CYPRESS.W256		91.7	65.4	39.5
7. U14 IC.SMD.Dual 250mw Audio AMP.NS.LM4880M		94.2	64.0	35.7
8. Heat Sink Surface		96.5	67.1	39.3
9. Memory		75.4	49.3	24.1
10. Power - Heat Sink Surface(1)		83.7	56.3	30.5
11. Power - Heat Sink Surface(2)		87.6	60.1	34.6
12. HDD		59.4	34.6	9.3
13. Inside Air Temperature		88.2	59.9	32.8
14. Control Box. External Surface		67.5	43.4	18.4
15. Chamber Air Temperature		50.1	25.1	0.6

Note: The description in red states which temperature is over the specification of the device.

Sample Configuration & Quantity Under Test:

Quantity: 1 (AOP-8120)

Test Result:

The system structure doesn't deformation; Function is OK during system test.

AOP-8120 (MPC-6800 Rev: A0.3)

Test Date: 07-23~25-2004**Test Product:** AOP-8120 (MPC-6800 Rev: A0.3)**Test Site:** AAEON QA Internal Lab.**Performed By:** Rex Chang**Test Standard:** Reference IEC 68-2-2 Testing procedures
Test Bb: Dry Heat Test (Non-operation)**Test Equipment:**Programmable Temperature & Humidity Chamber
K.SON. INS. TECH. CORP.

Model: THS-D4H+-100

Date of Calibration: 05/24/04

Serial Number: 1241

Testing Item:

1. Test Temperature: 60
2. Test Times: 48Hrs
3. Test Software: Windows media Player (Video test soft-MPEG form HDD)
4. Test Environment Curve:

**Sample Configuration & Quantity Under Test:**

Quantity: 1 (AOP-8120)

Test Result:

The system structure doesn't have any deformation; All functions are OK after high temperature storage test.

AOP-8120 (MPC-6800 Rev: A0.3)**Test Date:** 08-02~04-2004**Test Product:** AOP-8120 (MPC-6800 Rev: A0.3)**Test Site:** AAEON QA Internal Lab.**Performed By:** Rex Chang**Test Standard:** Reference IEC 68-2-1
Testing procedures Test Ab : Cold Test (Non-operation)**Test Equipment:**Programmable Temperature & Humidity Chamber
K.SON. INS. TECH. CORP.

Model: THS-D4H+-100

Date of Calibration: 05/24/04

Serial Number: 1241

Testing Item:

1. Test Temperature: -20
2. Test Times: 48Hrs
3. Test Software: Windows media Player (Video test soft-MPEG form HDD)
4. Test Environment Curve:

**Sample Configuration & Quantity Under Test:**

Quantity: 1 (AOP-8120 Industrial Workstations)

Test Result:

The system structure doesn't have any deformation; All functions are OK after low temperature storage test.

AOP-8120 (MPC-6800 Rev: A0.3)

Test Date: 07-26~28-2004**Test Product:** AOP-8120 (MPC-6800 Rev: A0.3)**Test Site:** AAEON QA Internal Lab.**Performed By:** Rex Chang**Test Standard:** Reference IEC 68-2-3 Testing procedures
Test Ca: Damp Heat Steady State Test (Non-operation)**Test Equipment:**Programmable Temperature & Humidity Chamber
K.SON. INS. TECH. CORP.

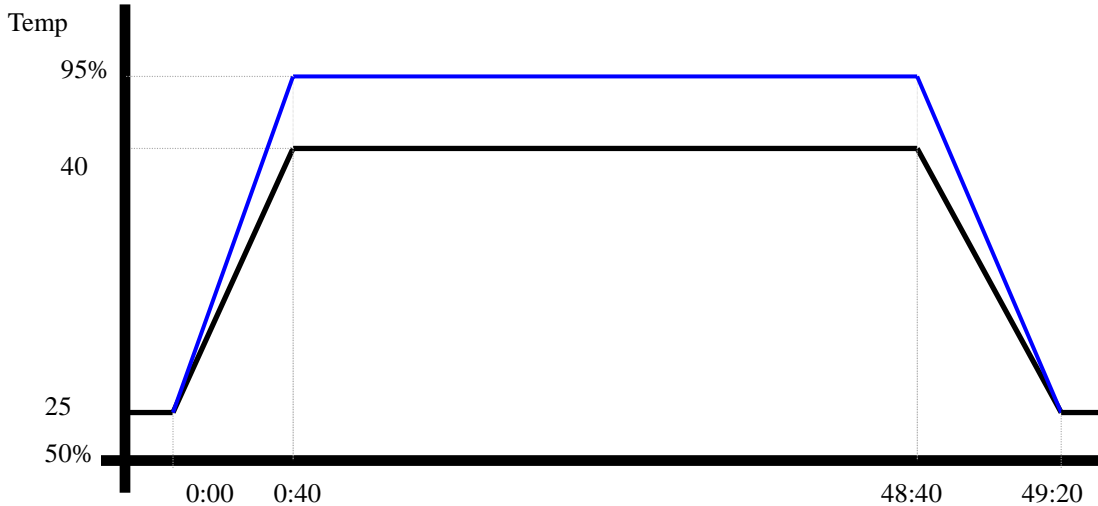
Model: THS-D4H+-100

Date of Calibration: 05/24/04

Serial Number: 1241

Testing Item:

1. Test Temperature: 40
2. Test Humidity: 95%RH
3. Test Times: 48Hrs
4. Test Software: Windows media Player (Video test soft-MPEG form HDD)
5. Test Environment Curve:

Humidity %**Sample Configuration & Quantity Under Test :**

Quantity: 1 (AOP-8120)

Test Result:

The system structure doesn't have any deformation; All functions are OK after humidity test.

AOP-8120 (MPC-6800 Rev: A0.3)

Test Date: 07-28~29-2004

Test Product: AOP-8120 (MPC-6800 Rev: A0.3)

Test Site: AAEON QA Internal Lab.

Performed By : Rex Chang

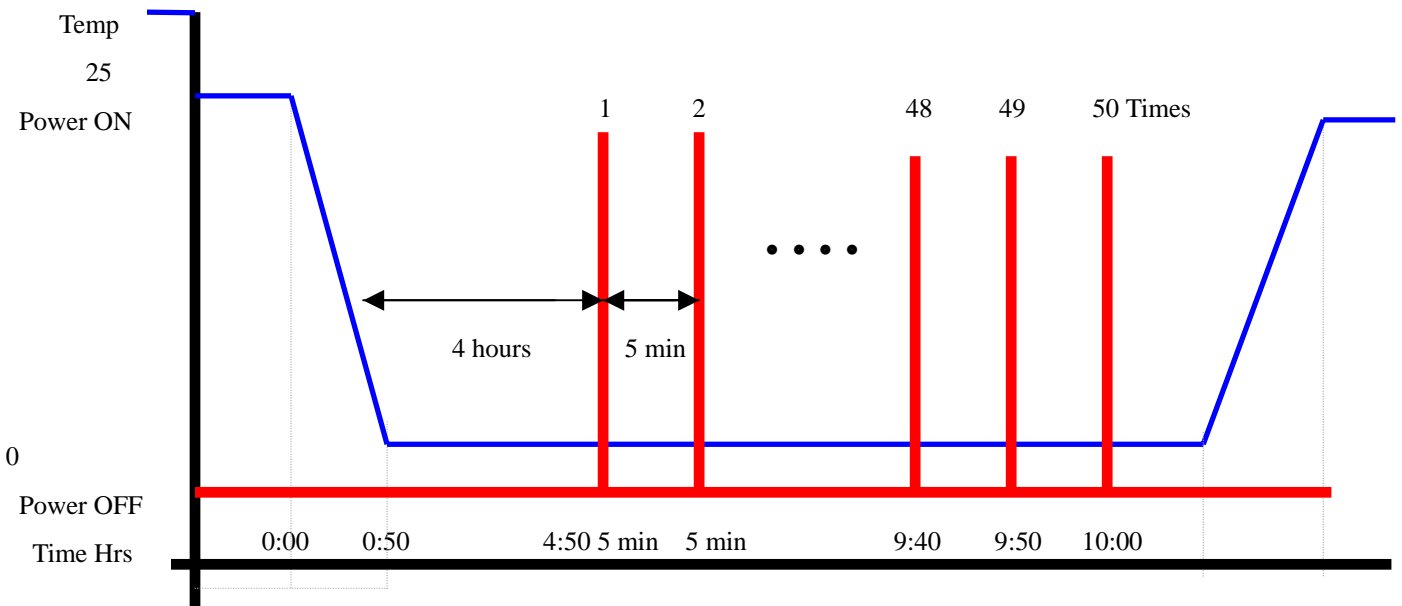
Test Standard: Reference IEC 68-2-1 Testing procedures
Test Ab : Cold Test

Test Equipment:

Programmable Temperature & Humidity Chamber
K.SON. INS. TECH. CORP.
Model : THS-D4H+-100
Date of Calibration : 06/03/03
Serial Number: 1241

Test Condition:

1. Test Temperature: 0
2. Test Times: 5 Hours or 50 times of ON/OFF
 - (1) Power off for 4 hours before 1'st power on. Then once complete boot, power off immediately .
 - (2) After 5 min later power on again and wait until booting is completed.
 - (3) Repeat (2) for around 4:50
 - (4) Power off then wait for 5 min before final power on operation.
3. Number of test: 50 times
4. Test Software: Windows 2000
5. Test Environment Curve:



AOP-8120 (MPC-6800 Rev: A0.3)

Sample Configuration & Quantity Under Test:

Quantity: 1 (AOP-8120)

Test Result:

Passed.