

QA Test Report

PCA-6751A

(Low Temperature Operation Test)

Report No : 02T021A0

Report Date : July 10, 2002

Issue Stamp *Chi-Hong Liao*
Manager of QA Department

Charles Chang
Approval

Charles Chang
Test Engineer

QA Lab Reliability test

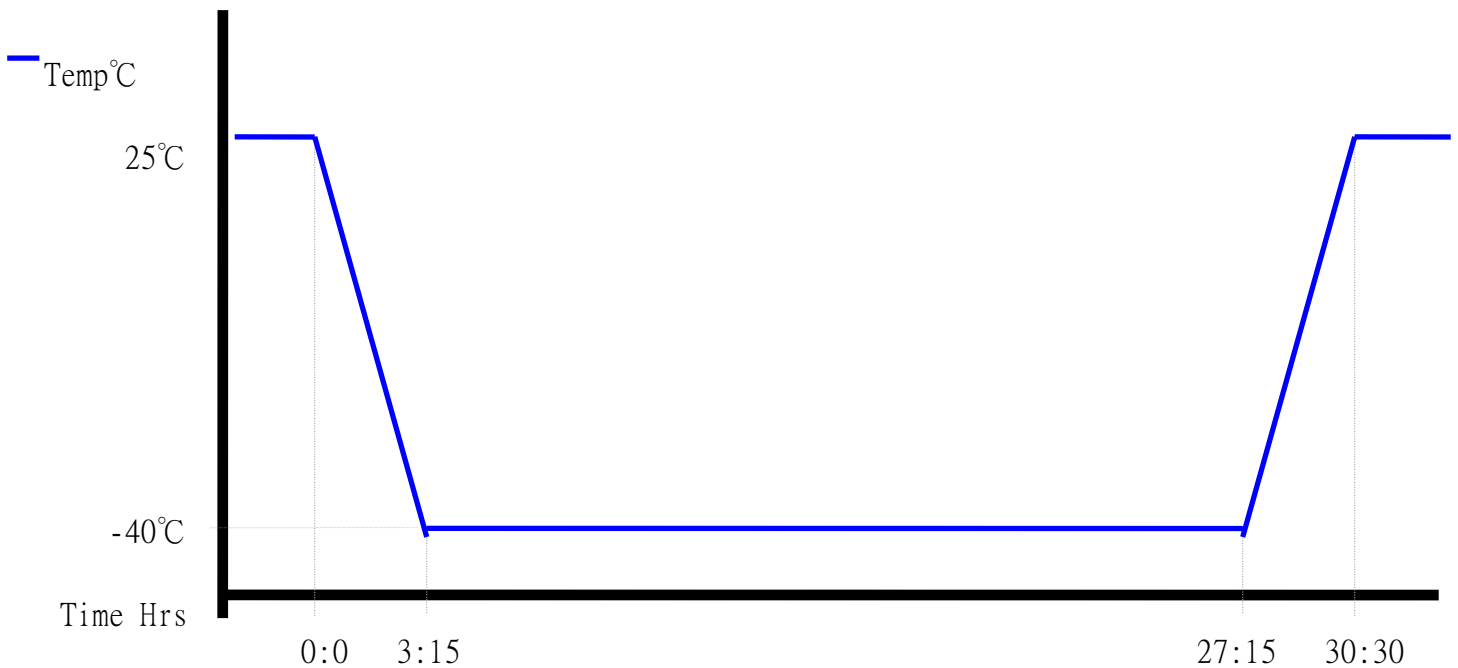
Test Date : June 23, 2002 ~ June 24, 2002
Test Site : Advantech QA Environment Lab
Performed By : Charles Chang

Purpose: Customer's individual request

Test Standard : Reference IEC68-2-1 Testing procedures
Test Ab : Cold Test

Test Condition :

1. Test Temperature : -40°C
2. Test Times : 24Hrs
3. Test Software : Running soft-MPEG file in Win98
Kpower program for CPU test
4. Test Environment Curve :



Test Equipment : Programmable Temperature & Humidity Chamber
GIANT FORCE Tech. Corp..
Model : GTH-408401P
Date of Calibration : 04/16/2002

Sample Configuration & Quantity Under Test :

Using one PCA-6751A CPU board with the following options installed:

1. M/B : PCA-6751A B1 01-1
2. CPU : Tillamook-MMX 166MHz
3. RAM : KINGMAX PC133 256MB
4. Core Logic : FW82439TX
FW82371EB
5. Clock : 48S87-04H
6. VGA : Chips B69000B4
7. LAN : GD82559
8. I/O : W83977EF
9. HDD : Seagate ST310211A 10G
10. Power supply : APP4500 450W

Performance Criteria :

Electronic function check:

1. All system functions must be checked with appropriate testing programs and should pass the inspection.
2. Running Win98 for OS, the system should not have degradation in its performance.

Mechanical function check:

1. The cover and connectors should work properly without any interference.
2. All screws should be tightened up appropriately.

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Test Result :

1. System function is normal and no any damage or degradation.
2. Performance is maintained with no incurable physical damage or degradation.
3. There is no damage in mechanical functions degradation has not been found.

Conclusion :

Passed.

The PCA-6751A CPU board meets -40°C low temperature operation test.