



AAEON Technology INC.
ISO-9001/ISO-14001 Certified
Industrial Automation PCs

PCM-4898

Thermal Image Analysis Report

Release Date: JUNE.30, 2000

Issue Stamp

QA Manager

QE Manager

Test Engineer

Thermal Image Analysis

I . Model Name: PCM-4898

II . Description: NC Geode Media PC with LCD, Audio, TV Out, LAN, LVDS, 4 COMs & 4 DI/O

III . Date: JUNE. 30, 2000

IV. Measure Site: AAEON QE Dept.

V . Issued by : Fenglin Dong

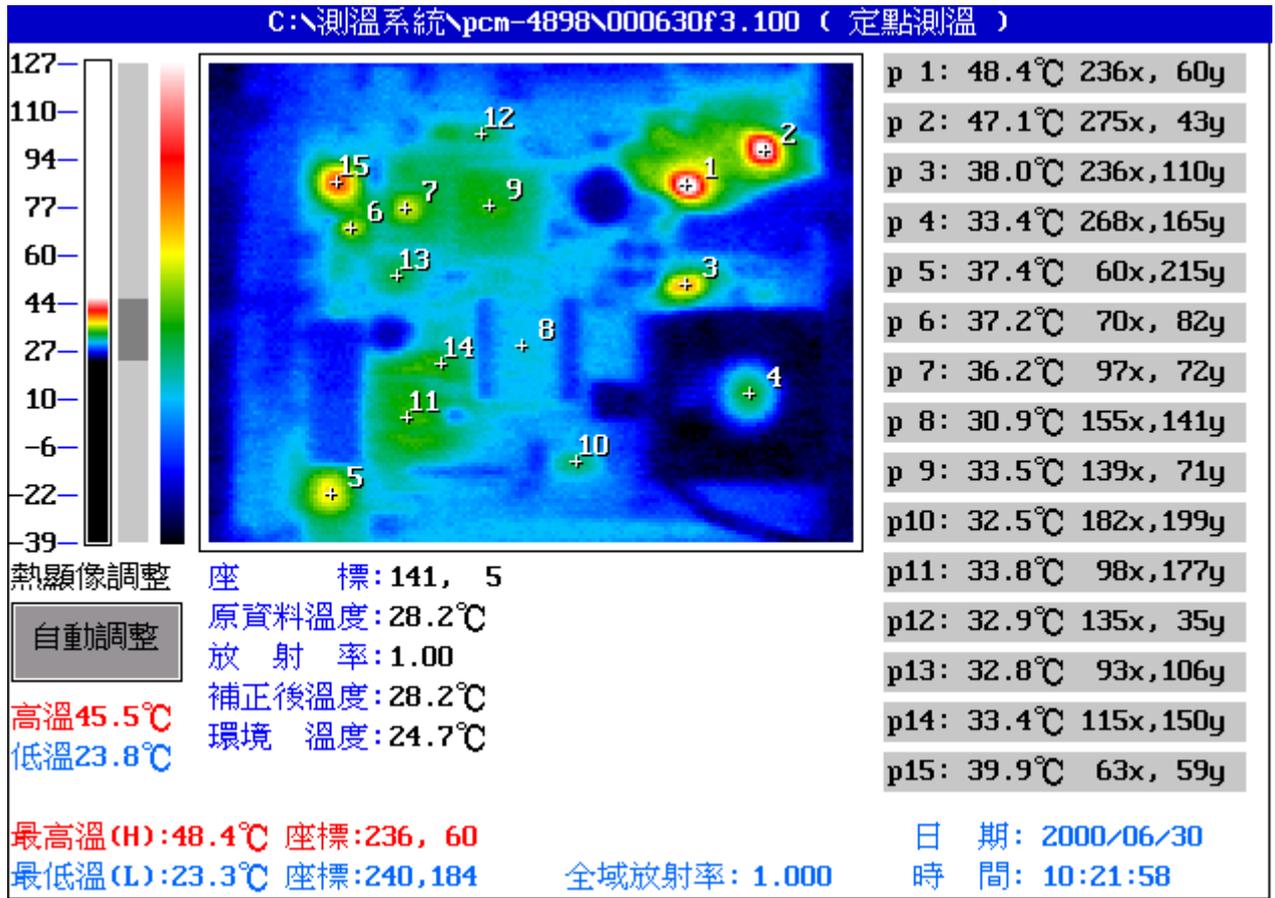
VI.Equipment: TVS-100 series by NIPPON AVIONICS CO., LTD.

VII. Simulation Environment:

- **Temperature: 25.5 degrees C**
- **CPU: Cyvix Gxm 266MHz**
- **RAM: 128 MB**
- **Hardware: DiskOnChip**
- **Application Software: QAPLUS/FE V5.2**
- **Take Picture Time: Power on 30 minutes after**

VIII. Prediction Result:

1. Component Side:



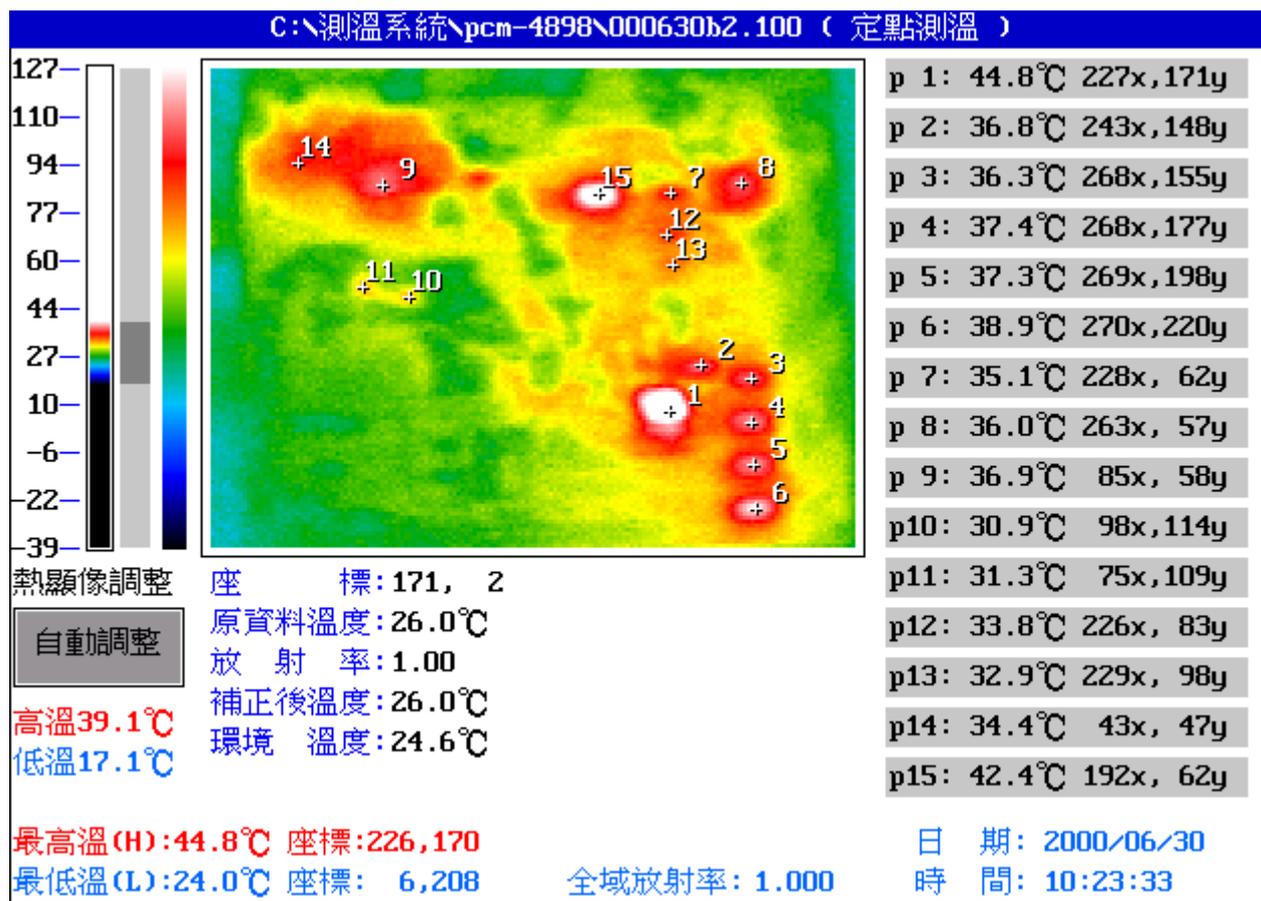
Point	Position	Describe	Ts	Tm	Note
1	U14	ANDEV, AD1819BJST	70	48.4	※ = -11.4
2	U27	CHRONTEL, CH7003B-T	70	47.1	※ = -12.1
3	---				
4	U1	CPU 腳座		33.4	
5	U29	AMD 16V8H	70	37.4	
6	U36	Linear LX8117A-33CST	70	37.2	
7	U48	ALTERA, EPM7032	70	36.2	
8	U3	NS, CS5530	70	30.9	
9	U5			33.5	
10	U30			32.5	
11	U20			33.8	
12	U43			32.9	
13	U38			32.8	
14	U24			33.4	
15	U34	INTEL 82559ER	70	39.9	※ = -4.9

1. Operation Temperature (°C):

Ts = Defined by component specification ; Tm = Measured by QE

2. ※ = Ts - (Tm + 60 - 25)

2. Solder Side:



Point	Position	Describe	Ts	Tm	Note
1	---				
2	U8	TI, SN74F125D	75	36.8	
3	U22	PHILIPS, N74F373DT	75	36.8	
4	U21	PHILIPS, N74F373DT	75	37.4	
5	U25	PHILIPS, N74F373DT	75	37.3	
6	U23	TI, SN74F244	75	38.9	
7	U40			35.1	
8	---				
9	---				
10	---				
11	---				
12	U2			33.8	
13	U13			32.9	
14	---				
15	U12	T174F245	75	42.4	※ = -2.4

1. Operation Temperature (°C):

Ts = Defined by component specification ; Tm = Measured by QE

2. ※ = Ts - (Tm + 60 - 25)