



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

# **PCM-5896**

## **Thermal Image Analysis Report**

**Release Date:JAN.08.2001**

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**Issue Stamp**

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**QA Manager**

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**QE Manager**

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**Test Engineer**

# Thermal Image Analysis

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**I . Model Name: PCM-5896**

**II . Description: Super 7 Compact Board with LCD,Ethernet,Audio,&4 COMs**

**III . Date: JAN. 08, 2001**

**IV . Measure Site: AAEON QE Dept.**

**V . Issued by : Kuochen Huang**

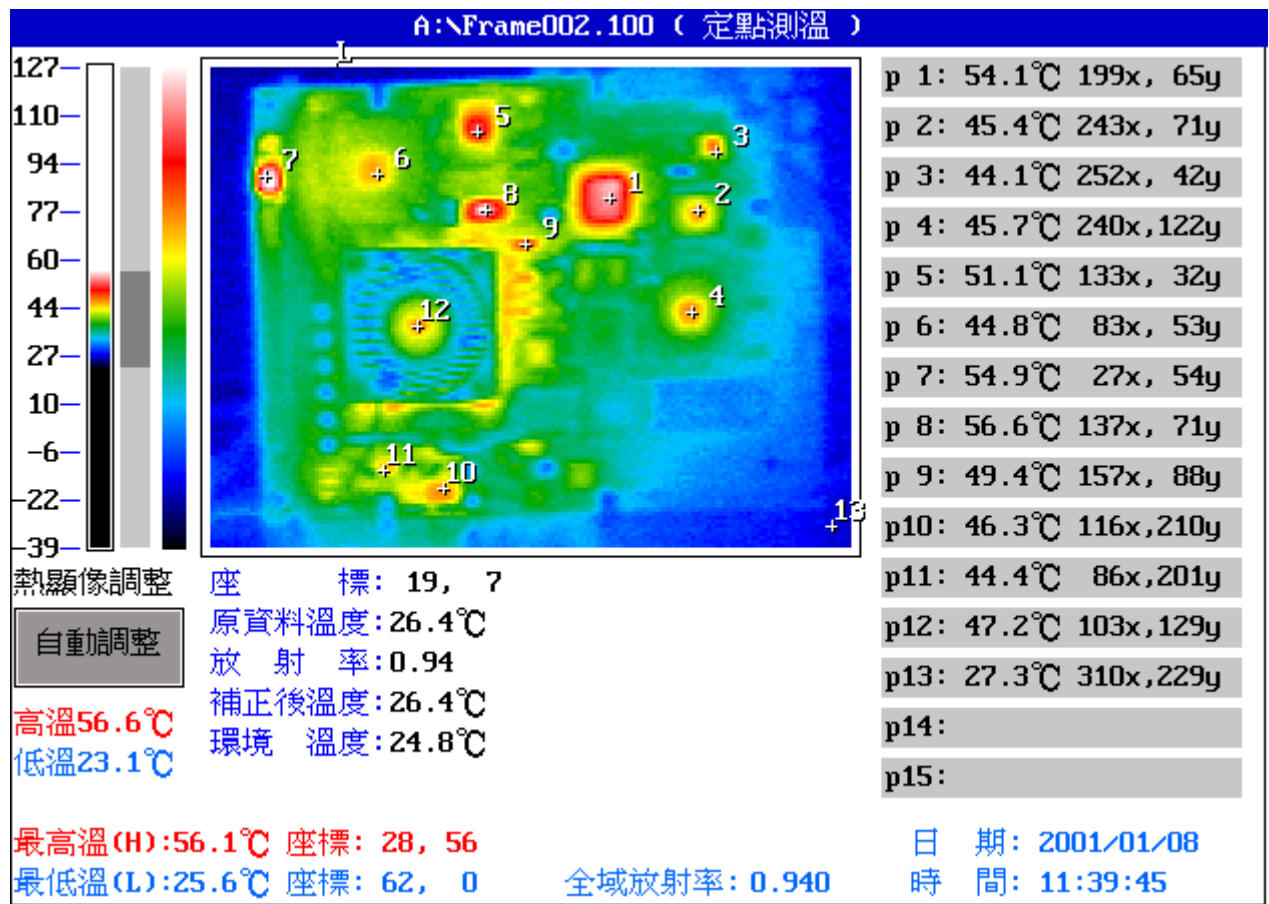
**VI.Equipment: TVS-100 series by NIPPON AVIONICS CO., LTD.**

**VII. Simulation Environment:**

- **Temperature: 27.3 degrees C**
- **CPU:AMD K6 233 MHz**
- **RAM: 32 MB**
- **Hardware: DiskOnChip**
- **Application Software: QAPLUS/FE V5.5**
- **Take Picture Time: Power on 30 minutes after**

# Temperature Profile Test:

Component Side:



Point	Position	Describe	Ts	Tm	Note
1	U19	B69000 W69000B4 0030-b	70°C	54.1°C	
2	U32	CREATIVE ES1373 1373-0001-02		45.4°C	
3	U24	SIGMATEL STAC9721T CB3S50		44.1°C	
4	U26	ALi M1543C A1 0019 TM08 XB1P0200000E		45.7°C	
5	U5	RTL8139B 05311T1	-10 ~ 70°C	51.1°C	
6	U2	ALi M1541 A1 100 MHz 0020 TS07 XD481080000E		44.8°C	
7	Q1	AMS 1083CM 0017	-10 ~ 70°C	54.9°C	
8	U6	9148BF-36 0023 CA030529	70°C	56.6°C	
9	U7	74F14D C945306		49.4°C	
10	Q2	PHB 50N03LT		46.3°C	
11	U3	0013 LTC1553CG J09110		44.4°C	
12	U1	AMD K6 233MHz		47.2°C	
13		The Room Temperature		27.3°C	

1. Operation Temperature (°C):

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

2. ※ = Ts - (Tm + 60 - 25)

# Temperature Profile Test:

Component Side:

A:\Frame001.100 ( 定點測溫 )

127—  
110—  
94—  
77—  
60—  
44—  
27—  
10—  
-6—  
-22—  
-39—

p 1: 50.2°C 100x, 108y  
p 2:  
p 3:  
p 4:  
p 5:  
p 6:  
p 7:  
p 8:  
p 9:  
p10:  
p11:  
p12:  
p13:  
p14:  
p15:

熱顯像調整 座 標: 89, 1  
 原資料溫度: 26.1°C  
 放射率: 0.94  
 高溫 56.6°C 補正後溫度: 26.0°C  
 低溫 23.1°C 環境溫度: 24.7°C

最高溫(H): 49.7°C 座標: 100, 102 日期: 2001/01/08  
 最低溫(L): 25.1°C 座標: 4, 10 全域放射率: 0.940 時間: 11:38:23

Point	Position	Describe	Ts	Tm	Note
1	U1	ICS-9248-39		50.2°C	

1. Operation Temperature (°C):  
 Ts = Defined by component specification ; Tm = Measured by QE
2. ※ = Ts - (Tm + 60 - 25)