



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

# **PCM-7890**

## **Thermal Image Analysis Report**

**Release Date:JAN.10.2001**

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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-7890 Rev.A2.1**

**II . Description: Slot 1 Compact Board with LCD, Ethernet, Audio, &4 COMs**

**III . Date: JAN. 10, 2001**

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

**V . Issued by : Kuochen Huang**

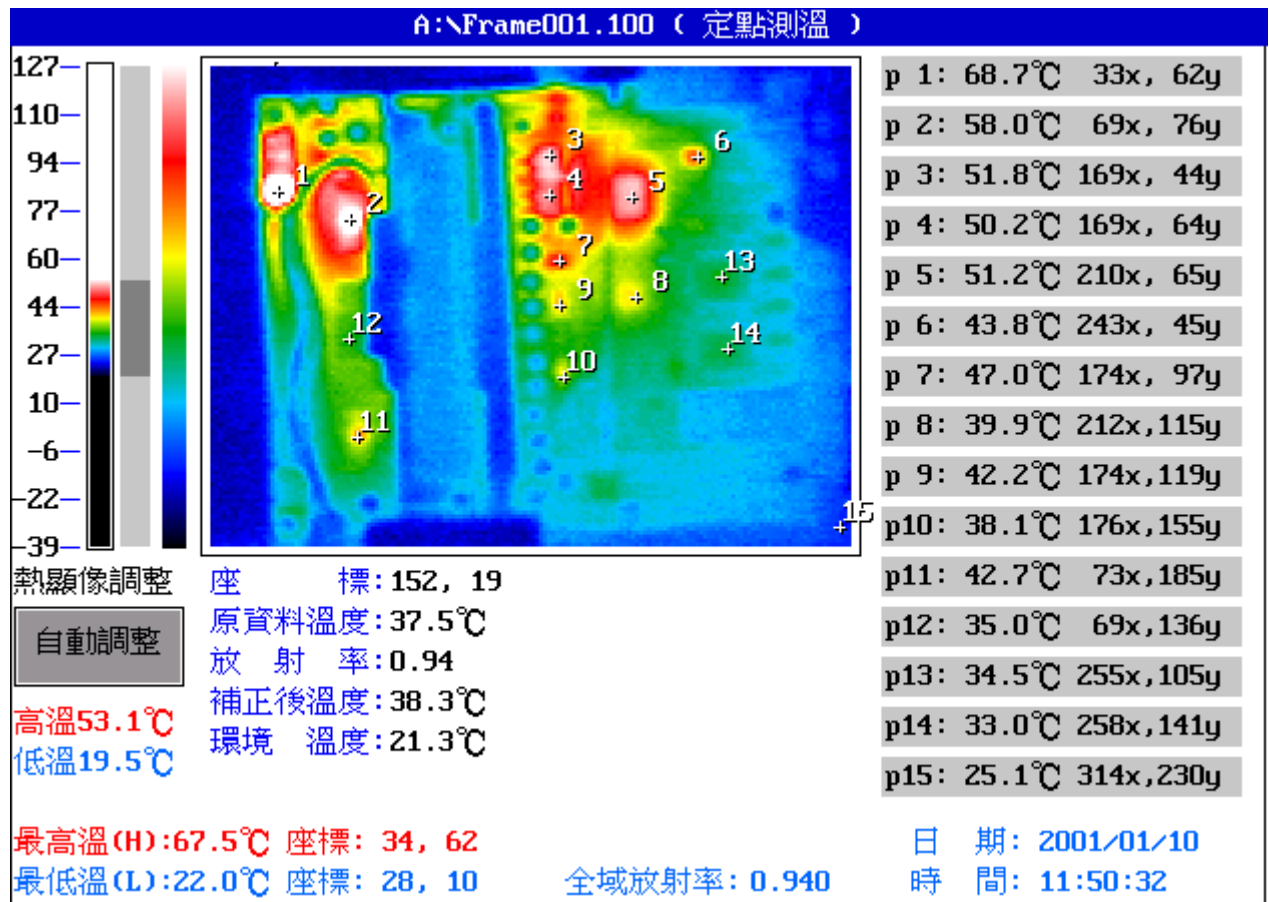
**VI.Equipment: TVS-100 series by NIPPON AVIONICS CO., LTD.**

**VII. Simulation Environment:**

- **Temperature: 25.1 degrees C**
- **CPU: Pentium III 850**
- **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	Q1	AMS 1083CM 9950	-10 ~ 70°C	68.7°C	
2	U9	CREATIVE 1373-0001-04	150°C	58.0°C	
3	Q4	PHB 50N03LT PHm 9948 D4	175°C	51.8°C	
4	Q5	PHB 50N03LT PHm 9948 D4	175°C	50.2°C	
5	U16	CHIPS B69000 W69000B4 0002-b	-10 ~ 70°C	51.2°C	
6	U22	SIGMATEL STAC9721T CB3S73 9931		43.8°C	
7	U10	0007 LTC1753CG J05425		47.0°C	
8	U17	Intel PCiset FW8237EB F951YC31 SL37M		39.9°C	
9	U11	74F07D 2930310Cnn9935E		42.2°C	
10	U13	74F07D 2930310Cnn9935E		38.1°C	
11	U1	W40S001-04H B002 1007TD		42.7°C	
12	U5	Intel AGPset FW824443BX L0030470 SL2VH		35.0°C	
13	U25	ITE IT8661F 9939-EYS F8C250		34.5°C	
14	U26	Winbond W83977TF-AW		33.0°C	
15		The Room Temperature		25.1°C	

**1. Operation Temperature (°C):**

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

2. ※ = Ts - (Tm + 60 - 25)