

PER-C20N

Mini-PCI CAN bus Module

Thermal Image Analysis Report

Report NO: 09E080001

2009/01/05

Issue Stamp

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Manager

Allen Hsu

Test Engineer

Thermal Image Analysis

I . Model Name: PER-C20N

II . Description: Mini-PCI CAN bus Module

III . Date: 2009/01/05

IV . Measure Site: AAEON QE Dept.

V . Issued by : Allen Hsu

VI. Equipment:

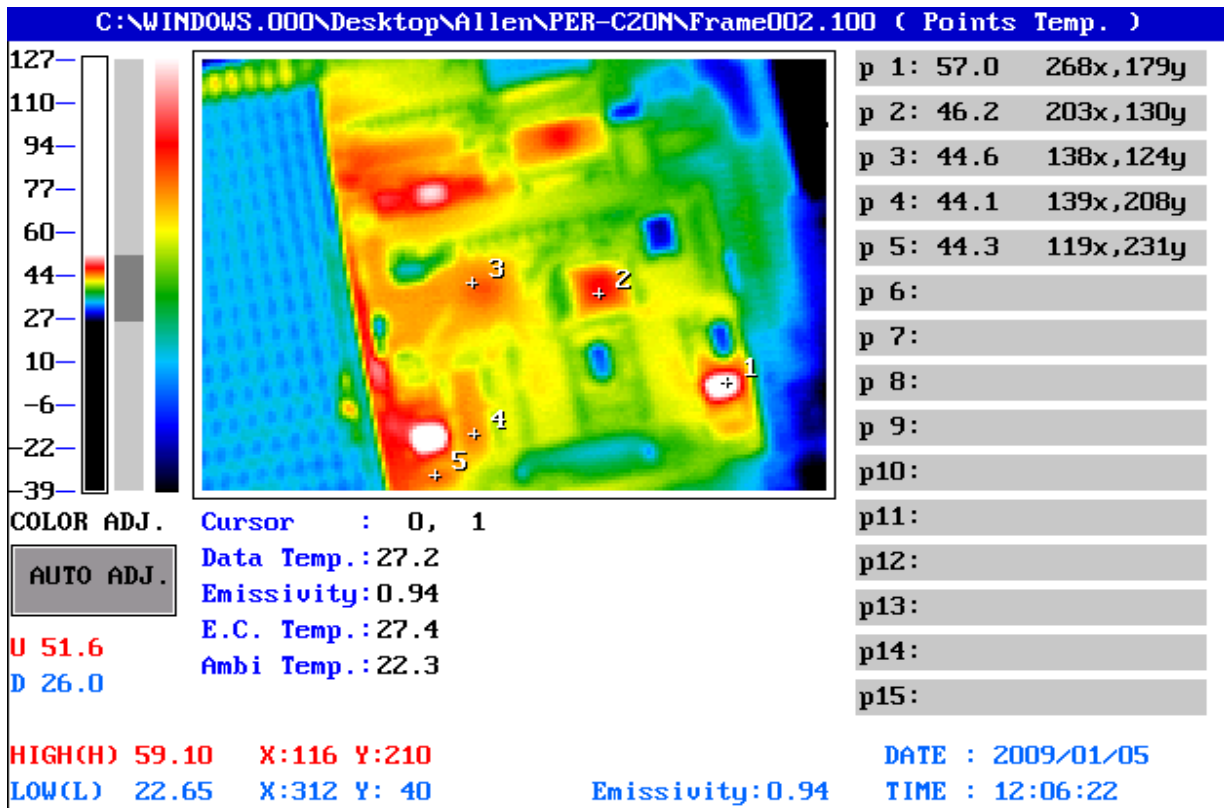
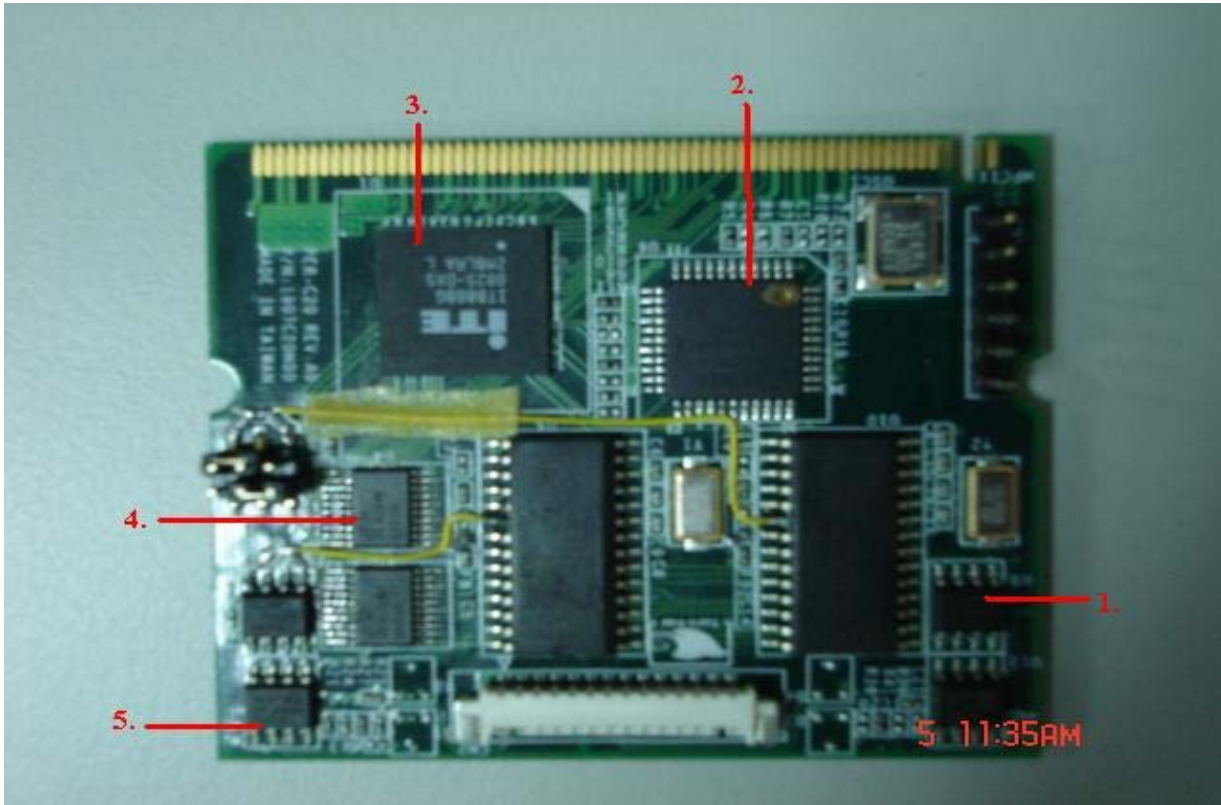
TVS-100 series by NIPPON AVIONICS CO., LTD.

VII. Simulation Environment:

- Temperature: Component Side-1 : 22.3°C
- CPU : Onboard Intel(R) Celeron M processor 600MHz)
- RAM : ATP PC2700 1Gb(AT28L64X8BFB3S)
- BIOS : GENE-8310 BIOS Ver 1.8(4/16/2008)
- CF Card : N/A
- HDD : WD(Western Digital) IDE H.D 80G (WD800BB)
- Application Software: Run Prime95 under Windows XP Professional V2002 Service Pack 3
- Take Picture Time: After Power on 2 hours.

Temperature Profile Test:

Component Side-1:



Point	Position	Describe	Tc (°C)	Tm (22.3 °C)	Tm (60°C)	Note
1	U9	(TF)IC.SMD.SO-8.DC-to-DCConve.ANALOG DEVICES.ADuM5241ARZ;EE-A081550;14S2524100;TWN	105	57.0	94.7	
2	U6	XILINX/(TF)IC.SMDCPLDVQFP44P.CS:33726.Xilinx.XC9536-15V QG44C;EE-A030876;14S8253604;TWN	125	46.2	83.9	
3	U1	(TF)IC.SMDTFBGA.160P.PCItoISABridge Chip.ITE.IT8888G-L;EE-A051091;14S4888801;TWN	100	44.6	82.3	
4	U4	(TF)IC.SMDTSSOP.20P.TLSN74HCT245PWR;EE-A050390;14S582 4501;TWN	125	44.1	81.8	
5	U7	(TF)IC.SMDSO8.HighSpeedCANTransceiver.PHILIPS.TJA1050T/N 1;EE-A030755;14S4105000;TWN	125	44.3	82	
6						
7						
<p>1. Tm (Measured operation temperature) must be less than Tc (Specified case temperature) +5 degree C 2. Any Tm value showed in red words which meaning the value is over the Tc+ 5 degree C of this device specification</p>						