

# Product Certification Report

Release No : 04E010059

Product Model	<b>PCM-6892-B03</b>
Product Description	AIO Compact Board. ULV ICP 400 & 650 .LCD/LAN/Audio / CFD / 4COM / 4USB / PCMCIA / ATX. Rev.B0.3
Test Reason	<input checked="" type="checkbox"/> New product <input checked="" type="checkbox"/> PCB : PCM-6892 Rev: B0.3 <input checked="" type="checkbox"/> BIOS : PCM-6892B Rev:1.1(10/21/2004)  <input type="checkbox"/> Renew product <input type="checkbox"/> PCB : <input type="checkbox"/> BIOS :  <input type="checkbox"/> Revision change <input type="checkbox"/> PCB : <input type="checkbox"/> BIOS : <input type="checkbox"/> Component :

2004-11-02  
Issue date

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## Test result for certification

<b>Operation System Compatible Test</b>		<b>Result</b>	
Windows 2000 Professional + SP4 English Version / 5..00.2195		PASS	
Windows 98SE English Version / 4.10.2222A		PASS	
DOS 6.22 and DOS Utility Compatibility Test		PASS	
<b>Utility and Driver Test</b>		<b>Result</b>	
VGA for Windows 2000P (Onboard S3 Graphics Twister / Driver Ver.6.13.10.1030)		PASS	
VGA for Windows 98SE (Onboard S3 Graphics Twister / Driver Ver.4.13.01.3049-13.00.49(DX8))		PASS	
LAN for Windows 2000P (Realtek RTL8139/810X Family Ethernet NIC / Driver Ver.5.612.413.2004)		PASS	
LAN for Windows 98SE (Realtek RTL8100BL / Driver Ver.4.10.2222)		PASS	
Audio for Windows 2000P (VIA AC'97 Audio Controller(WDM) / Driver Ver.5.12.1.3200)		PASS	
Audio for Windows 98SE (VIA VT82C686B AC97 Codec / Driver Ver.5.12.01.3200)		PASS	
<b>BIOS Function Test</b>		<b>Result</b>	
Standard CMOS Setup Test		PASS	
APM Power Manager Test		PASS	
ACPI Power Manager Test		PASS	
Wake Up Event Test		PASS	
CMOS Backup / Clear CMOS Test		PASS	
Boot ROM Test (RPL/PXE)		PASS	
Init Display First Function Test		Remark <sup>1</sup>	
Voltage Monitor Test		PASS	
FAN Speed Monitor Test		PASS	
Temperature Monitor Test		PASS	
COM Address / IRQ Test		PASS	
LPT Address / IRQ Test		PASS	
<b>Dynamic / Boot_UP Burn_In Test</b>		<b>Test Condition</b>	<b>Result</b>
Diagnostics Software Burn-In Test.		0 ~60 , 48 hrs	PASS
Audio Play For Sound Codec Chipset Burn-In Test.		0 & 60 , 2 hrs	PASS
LAN Chipset Burn-In Test.		0 & 60 , 2 hrs	PASS
Power On/Off Test.		0 ~60 , 24hrs	PASS
Keyboard Reset Test.		20 Times , DOS Mode	PASS

Windows HCT 9.5 System Stress Test.	PASS
<b>I/O Peripheral Function Test – I/O Function</b>	<b>Result</b>
Floppy Connector / Driver A: & B:	PASS
Primary IDE Master	PASS
Primary IDE Slave	PASS
Compact Flash-Type	PASS
Compact Flash-Type	PASS
DOM (Disk On Module) - 40Pin	PASS
COM1	PASS
COM2-232	PASS
COM2-422	PASS
COM2-485	PASS
COM2-Ring /+5V /+12V	PASS
COM3	PASS
COM4	PASS
Clear CMOS	PASS
PS/2 Mouse & Keyboard (External)	PASS
Audio Out Selection ( W/Amplifier)	PASS
Audio Connector	PASS
LCD Voltage 5V/3.3V Selection	PASS
LPT1 – Printer Type : HP Photo Smart P1000	PASS
SIR / 115.2 Kbps	PASS
USB 1 & 2 Ports	PASS
USB 3 & 4 Ports	PASS
VGA Display	PASS
Card Bus	PASS
PC/104	PASS
LCD / TTL	PASS
LCD / LVDS	PASS
TV-OUT / AV Output – NTSC	PASS
TV-OUT / S Output – NTSC	PASS
TV-OUT / AV Output – PAL	PASS
DIMM Slots	PASS
Watchdog Software Control	PASS
<b>I/O Peripheral Function Test – Front Panel &amp; Function</b>	<b>Result</b>
Power On Button	PASS
IDE LED	PASS

External Buzzer	PASS		
On Board Buzzer	PASS		
Power LED	PASS		
Reset Switch	PASS		
CPU FAN Connector	PASS		
<b>I/O Peripheral Function Test – Power Connector &amp; Function</b>	<b>Result</b>		
ATX Power Connector	PASS		
<b>I/O Peripheral Function Test – LAN Connector &amp; Function</b>	<b>Result</b>		
LAN1 Speed LED	PASS		
LAN2 Speed LED	PASS		
LAN1 Active LED	PASS		
LAN2 Active LED	PASS		
LAN1 Link LED	PASS		
LAN2 Link LED	PASS		
LAN1 10/100 Ethernet	PASS		
LAN2 10/100 Ethernet	PASS		
<b>I/O Peripheral Function Test – PCI Connector &amp; Function</b>	<b>Result</b>		
PCI Slots	PASS		
<b>Timer Accuracy Test</b>	<b>Result</b>		
RTC Timer Accuracy of +/-1 sec per day.	PASS		
System Clock Accuracy of +/-1 sec per day.	PASS		
Watchdog Timer Accuracy of +/-20% sec per minute.	PASS		
<b>Network HUB/LAN Connects Test (LAN1/LAN2)</b>	<b>Result</b>		
<b>HUB</b>	<b>Type</b>	<b>Speed</b>	PASS
	HP J4095A 24 Ports	10/100 Mbps	PASS
	D-Link DGS-1008T	10/100 Mbps	PASS
	Intel Inbusiness 8 Ports	10/100 Mbps	PASS
	LEMEL LM-S5 5 Ports	10/100 Mbps	PASS
	Accton Desktop-3005	10/100 Mbps	PASS
	SVEC FD916H	10 Mbps	PASS
LED Indicator Lights Function	LAN1 LED	PASS	
	LAN2 LED	PASS	
<b>Touch Screen LCD for Serial Ports Test</b>	<b>Address</b>	<b>IRQ</b>	<b>Result</b>
COM1	3F8	IRQ4	PASS
COM2	2F8	IRQ3	PASS
COM3	3E8	IRQ5	PASS
COM4	2F8	IRQ10	PASS

CPU Compatible Test (Windows 2000P)						
CPU Speed	Cache Size	FSB	sSpec#	Vcore	Result	
Intel Low Voltage Celeron 400MHz		100			PASS	
Intel Low Voltage Celeron 400MHz		100			PASS	
Memory Test – SDRAM PC-133/100			Speed	Size	Result	
SEITEC / PM72V56841CT-6			PC-133	512MB	PASS	
KINGSTON / Winbond 202DB W982508BH-75			PC-133	512MB	PASS	
HYNIX / HY57V28820HCT-H			PC-133	512MB	PASS	
NEC / D45128841G5-A75-9JF			PC-133	256MB	PASS	
On Board Audio Function Test					Result	
System Sound					PASS	
Play CD_IN					PASS	
Play Sound Recorder					PASS	
Line Out					PASS	
Line In					PASS	
Line In Sound Recorder					PASS	
MIC Speaker – Dynamic / Condenser					PASS	
MIC Sound Recorder – Dynamic / Condenser					PASS	
Play DVD – Audio Function Test					PASS	
On Board TV Function Test					Result	
NTSC	AV Port Output				PASS	
	S Port Output				PASS	
PAL	AV Port Output				PASS	
On Board LCD Function Test		Bit	Size	Resolution	Mode	Result
HYUNDAI HT12X11-200		18	12.1"	1024*768	LVDS	PASS
Toshiba LTM10C209A		18	10.4"	640*480	TTL	PASS
NEC NL8060AC31-12		18	12.1"	800*600	TTL	PASS
Samsung LTM150XS-T01		36	15.1"	1024*768	TTL	PASS
PCI Slot Function (PCI Adapter Card) Test				Type	Interface	Result
AAEON MBC-V100				VGA Card	PCI	PASS
Matrox G450				VGA Card	PCI	Remark <sup>1</sup>
Adaptec ASC-29160				SCSI Card	PCI	PASS
D-Link FE-530TX Fast Ethernet				LAN Card	PCI	PASS
ABIT HotRod 100 Pro				RAID Card	PCI	Remark <sup>2</sup>

<b>HDD Compatible Test</b>		<b>Size</b>	<b>Speed</b>	<b>Result</b>
IBM / IC35L180AVV207-1		185.2GB	ATA-133	PASS
IBM / DTLA-307075		76.8GB	ATA-100	PASS
<b>CD-ROM / DVD-ROM Test</b>		<b>Type</b>	<b>Speed</b>	<b>Result</b>
ASUS CD-S500/A		CD-ROM	50X	PASS
IBM GCR-8480B		CD-ROM	48X	PASS
PIONEER / DVD-A03S		DVD-ROM	6X	PASS
SONY CDU4811-81		CD-ROM	48X	PASS
<b>USB Basic Function Test</b>				<b>Result</b>
CMOS USB Function				PASS
CMOS USB Keyboard				PASS
System Booting Test				PASS
USB Cable of 5 Meters (USB1.1)				PASS
Compatible Test				PASS
<b>Peripheral Compatibility-Storage Device</b>		<b>Interface</b>	<b>Result</b>	
iomega zip 100 parallel port		Parallel	PASS	
iomega zip 100MB Internal ATAPI Drive		IDE	PASS	
PQI FC256 256 MB Compact Flash Card		Type	PASS	
HITACHI MicroDrive 1GB		Type	PASS	
<b>Industry Control Card / PC104 &amp; PCI-104 &amp; PC104 Plus Modules</b>				<b>Result</b>
PC104	AAEON PCM-5600		PASS	
<b>COM Port Send &amp; Receive Test</b>				<b>Result</b>
COM1 of 3 Meters				PASS
COM2 of 3 Meters				PASS
COM3 of 3 Meters				PASS
COM4 of 3 Meters				PASS
<b>Disk On Module [DOM] Compatibility Test</b>		<b>Interface</b>	<b>Result</b>	
DOM-256-026P Rev.A1k20		IDE 40 Pin	PASS	
<b>Mini PCI Slot Compatibility</b>				<b>Result</b>
RTL8180L Mini PCI Card				PASS

<b>Result Summary</b>	
<b>Remark<sup>1</sup></b>	The system has no display when we set the CMOS to "PCI Slot" and boot up with Matrox G450 PCI VGA card (VC-200203).
<b>Remark<sup>2</sup></b>	Sometimes system will hang up during HDD connected to PCI RAID card under Win2000 Professional , but remove the HDD it works well