

Product Certification Report

Report No : 02E010064

Product Model	PCM-6892
Product description	VIA Eden / Ezra EPGA Series with LCD, LVDS , LAN , Audio AND Card bus.
Test reason	<input checked="" type="checkbox"/> New product <input checked="" type="checkbox"/> PCB : PCM-6892 Rev:A0.2 <input checked="" type="checkbox"/> BIOS : PCM-6892 BIOS Rev:0.3 (08/13/2002) <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 :

2002-09-10

Issue date

Lindon Lin

Supervisor

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Test Engineer

Test result for certification

Stability Test - Dynamic / Boot_UP Burn_In Test	Result
Dynamic Burn-In test. (Operating at 0 ~60 for 48hours)	Pass
Audio Play For Sound Codec Chipset Burn-In Test .(Operating at 0 & 60 for 2hours)	Pass
LAN Chipset Burn_In Test. (Operating at 0 and 60 for 2hours)	Pass
Boot_Up Burn_In Test .(Operating at 0 ~60 for 24hours)	Pass
Boot_Up Burn_In Test .(Operating at Room Temperature for 24hours)	Pass
Windows HCT 9.5 system stress test. (Operating at Room Temp. for 8hours)	Pass
Timer Accuracy Test	Result
RTC timer accuracy of +/-3 sec per day.	Pass
Watchdog timer accuracy of +/-20 % per sec/ min.	Pass
Margin Test – Power Consumption – CPU VIA C3 667A MHz / SDRAM 512MB	Result
Power VCC 4.75V to 5.25V Margin test .	Pass
Power Connector Test – AT Power To ATX Motherboard	Pass
Electrical characteristics – Normal Mode(+3.3V)	1.76 A
Electrical characteristics – Standby Mode(+3.3V)	1.76 A
Electrical characteristics – Normal Mode(+5V)	0.30 A
Electrical characteristics – Standby Mode(+5V)	0.13 A
Electrical characteristics – Normal Mode(+12V)	0.34 A
Electrical characteristics – Standby Mode(+12V)	0.34 A
IDE Margin – ATA100 / 66 / 33 Test	Pass
Network HUB / LAN Connects Test	Result
HP J4095A 24Ports [100 /10 Mbps]	Pass
HP J4095A 24Ports [100 /10 Mbps]	Pass
D-Link DES-1008 [100 / 10 Mbps]	Pass
D-Link DES-1008 [100 / 10 Mbps]	Pass
Intel InBusiness 8 Ports [100 / 10 Mbps]	Pass
Intel InBusiness 8 Ports [100 / 10 Mbps]	Pass
LEMEL LM-S5 5 Ports [100 / 10 Mbps]	Pass
LEMEL LM-S5 5 Ports [100 / 10 Mbps]	Pass
Accton DeskTop-3005 [100 / 10 Mbps]	Pass
Accton DeskTop-3005 [100 / 10 Mbps]	Pass
SVEC FD916H [10 Mbps]	Pass
SVEC FD916H [10 Mbps]	Pass
Touch Screen for serial Ports Test	Result
COM 1 Serial Port	Pass
COM 2 Serial Port	Pass
COM 3 Serial Port	Pass
COM 4 Serial Port	Pass
CPU Compatible Test	Result
VIA C3 667A MHz (133*5.0)	Pass

Memory Test – SDRAM PC-133/100	Result
KINGSTON / Winbond 202DB W982508BH-75 / PC-133 / 512MB	Pass
SEITEC / PM72V56841CT-6 / 512MB	Pass
NEC / D45128841G5-A75-9JF / PC-133 / 256MB	Pass
INFINEON / HYB3956480CT-75 / PC-133 / 128MB	Pass
NEC / D45128841G5-A75-9JF / PC-133 / 128MB	Pass
HYUNDAI / HY57V658020 TC-10 / PC-100 /128MB	Pass
NEC / D4564841G5-A80-9JF / PC-100 / 128MB	Pass
NEC / D4564841G5-A10-9JF / PC-100 / 128MB	Pass
NANYA / NT56V6620C0T-75 / PC-133 / 64MB	Pass
NEC / D45128163G5-A75-9JF / PC-133 / 64MB	Pass
HYUNDAI / HY57V1291620LTC-10S / PC-100 /64MB	Pass
NEC / D4564841G5-A80-9JF / PC-100 / 64MB	Pass
HITACHI / 5264805DTTA60 / PC-100 / 64MB	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 Speaker Recorder – Dynamic / Condenser	Pass
Game port	Pass
VGA Card Compatible Test	Result
LEMEL S3 TRIO64V2-DX/GX / ISA Card	Pass
Multi Media Card Compatible Test	Result
Creative Sound BLASTER Live5.1 (PCI bus)	Pass
SCSI Card Compatible Test	Result
APTEC / ASC-29160 (PCI bus)	Pass
Takram DC-395U / V1.02 (PCI bus)	Pass
Modem Card Compatible Test	Result
Genuine GM56-AMI2019 (PCI bus)	Pass
LAN Card Compatible Test	Result
3 COM 3C905-TX (PCI bus)	Pass
D-Link FE-530TX Fast Adapter (PCI bus)	Pass
D-Link DWL-500+DWL-1000AP Wireless Adapter (PCI bus)	Pass
Intel SB82559 (20/100Mbps) (PCI bus)	Pass
Other Card Test	Result
YUAN DVD MPEG-2 MPEG CARD (PCI)	Pass
UPMOST 1394 CardBus + FireWire 3.5" HardDisk Enclosure	Pass
PixelView Play Tvpro	Pass

RAID Adapter Card Test	Result
ABIT HotRod 100 Pro (PCI bus)	Pass
HDD Compatible Test	Result
IBM DTLA-307075 / 76.8GB / ATA100	Pass
IBM DTLA-307045 / 46.1GB / ATA100	Pass
IBM DHEA-34330 / 4.3GB / ATA33	Pass
Maxtor 54610H6 / 46.1GB / ATA100	Pass
Maxtor 94098U8 / 40.9GB / ATA66	Pass
Maxtor 72700AP / 2.7GB / ATA -33	Pass
Quantum QMP30000AS-A / 30GB / ATA100	Pass
Quantum Fireball _{TM} lct/ 20.4GB/ ATA66	Pass
Quantum K13600AT / 13GB / ATA66	Pass
Fujitsu MPE 3136AH / 13.6GB / ATA66	Pass
Fujitsu MPC3043AT-E/ 4.3GB/ ATA33	Pass
Seagate ST310210A / 10.2GB / ATA66	Pass
CDROM / DVDROM Test	Result
NEC C&C-BCD F561B / 52X	Pass
ASUS CD -S500/A / 50X	Pass
TEAC CD-540E / 40X	Pass
SONY CDU4811-81 / 48X	Pass
CREATIVE CD5220E / 52X	Pass
CREATIVE DVD1240E / 12X / DVD-ROM	Pass
PIONEER ATAPI DVD-A03S / 6X / DVD-ROM	Pass
Acer DVP 1640A / 16X / DVD-ROM	Pass
MITSUMI CRMC-FX4824T / 48X	Pass
AFREEY CD-2052E / 50X	Pass
BENQ 652A-674/ 52X	Pass
Kodak 4802/ 6X	Pass
USB Compatible Test	Result
CMOS Setting Test	Pass
CyberLink Power DVD XP4.0 Remote control	Pass
Acer 6406EU-122 CD-ROM	Pass
HP SJ4200C Scanner	Pass
HP Photo Smart P1000 Print	Pass
IOMEGA ZIP 100MB	Pass
D-Link DSB-H4/ DU-H4 HUB	Pass
MITSUMI FLL3.5 D353GUE/FUE	Pass
Floppy Disk Controller Test	Result
Copy and Compare file between C : and A/B	Pass
Format A/B with system transfer and boot PC from floppy	Pass
SWAP FDD	Pass
Peripheral Storage Device Compatible test	Result
Fujitsu MO MCB3064SS (SCSI Type)	Pass

IOMEGA ZIP100M (Parallel Type)	Pass
IOMEGA ZIP100M (IDE Type)	Pass
LS-120 / LKM-F930-1 (IDE Type)	Pass
Compact Flash	Pass
Industry Control Adapter Card Compatible Test- PC104 Module	Result
AAEON PCM-5600 / Fax/Modem Module	Pass
AAEON PCM-3115B / PCMICA Module	Pass
AAEON PCM-3640 / RS-232 Module	Pass
On Board I / O Function Test	Result
COM Port Send-Receive Test	Pass
CheckIt 7.0 Portable Edition Test	Pass
Disk On Module [DOM] Compatibility Test	Result
DOM-256-026P / Rev.A1k20 / IDE 40 Pin	Pass
System Integer Application Test	Result
PCI cards integer application	Pass
BIOS Function Test	Result
Standard CMOS Setup Test	Pass
Boot Sequence Test	Pass
APM Power manager test	Pass
ACPI Power manager test	Pass
CMOS backup Test	Pass
COM Address/IRQ Test	Pass
LPT Address /IRQ Test	Pass
Hardware Monitor Test	Pass
Supervisor / User Password Test	Pass
BIOS Awdflash Program Test	Pass
Performance Test – CPU VIA C3 667A MHz / SDRAM 512MB	Result
LandMark Speed 2.0 – CPU	2997.12
LandMark Speed 2.0 – FPU	1734.34
LandMark Speed 2.0 – VIDEO	44683.00
WinBench 99 V1.1- CPU mark99	38.2
WinBench 99 V1.1- FPU winmark	1290
WinBench 99 V1.1- Business Graphic winmark99	230
WinBench 99 V1.1- High_end Graphic winmark99	611
Final Reality V1.01 BenchMark Test – 2D image	3.02
Final Reality V1.01 BenchMark Test – 3D	2.93
Final Reality V1.01 BenchMark Test – Bus transfer	1.57
Final Reality V1.01 BenchMark Test – Overall	2.75
3D WinBenech 2000 v1.0 with DirectX7 and 1024x768x16Bits-Processor Test	0.655
Content Creation Winstone 2000 V1.0 – C.C.Winstone 2000	18
WinStone 99 V1.1 – High_end winstone99	23.4
WinStone 99 V1.1 – Business winstone99	31.3

Operation System Compatible Test	Result
Linux Red Hat 7.2	Pass
Netware 4.11	Pass
Netware 5.0	Pass
Windows 98SE English / Chinese version	Pass
Windows ME English / Chinese version	Pass
Windows NT workstation 4.0 English version with service pack 6	Pass
Windows NT server 4.0 English version	Pass
Windows NT server 4.0 Chinese (Simplified character) version	Pass
Windows 2000 professional English version	Pass
Windows 2000 Server Chinese (Simplified character) version	Pass
Windows XP Professional Chinese version	Pass
Windows XP Home Edition English version	Pass
DOS and DOS Utility Compatibility Testing	Pass
Utility and Driver Test	Result
Red hat Linux 7.3 hardware compatible list for VGA	Support
Red hat Linux 7.3 hardware compatible list for LAN	Support
Red hat Linux 7.3 hardware compatible list for Audio	Support
VGA for Windows 98SE (S3 Graphics Twister 4.13.01.0042-11.30.42.01)	Pass
VGA for Windows ME (S3 Graphics Twister 4.13.01.0042-11.30.42.01)	Pass
VGA for Windows NT 4.0 (S3 Graphics Twister 4.1024.1310.0002, 4.0.0)	Pass
VGA for Windows 2000P (S3 Graphics Twister 6.13.1030. -13.93.08)	Pass
VGA for Windows XP (S3 Graphics Twister 6.13.10.1031-13.93.09)	Pass
LAN for Windows 98SE (Realtek RTL8139C 5.397.0823.2001)	Pass
LAN for Windows ME (Realtek RTL8139C 5.397.0823.2001)	Pass
LAN for Windows NT 4.0 (Realtek RTL8139C)	Pass
LAN for Windows 2000P (Realtek RTL8139C 5.397.0823.2001)	Pass
LAN for Windows XP (Realtek RTL8139C 5.397.0823.2001)	Pass
Sound for Windows 98SE (VIA VT1612A AC' 97 Codec 5.12.01.3200)	Pass
Sound for Windows ME (VIA VT1612A AC' 97 Codec 5.12.01.3200)	Pass
Sound for Windows NT 4.0 (VIA VT1612A AC' 97 Codec)	Pass
Sound for Windows 2000P (VIA VT1612A AC'97 Codec 5.12.01.3200)	Pass
Sound for Windows XP (VIA VT1612A AC' 97 Codec 5.12.01.3811)	Pass
LCD Monitor Function Test	Result
Samsung / LTM150XS -T01 / TFT / 15"	Pass
Miscellaneous Test	Result
Windows 98 Power manager test	Pass
Windows 2000 Power manager test	Pass
H/W Reset	Pass
Ext. Speaker	Pass
On board buzzer	Pass
HDD LED	Pass
Power LED	Pass
Watchdog – Software Programming	Pass



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ATX power button	Pass
CPU FAN connector	Pass
COM1	Pass
COM2	Pass
COM2-RS-422	Pass
COM2-RS-485	Pass
COM3	Pass
COM4	Pass
LPT1	Pass
PS2 Keyboard / Mouse	Pass
TV-out /AV & S Output	Pass
LCD Display Function Test	Pass