

QE 【Backplane】

P5 Verification Test Plan

Release No : 07I010004

Product Model	BP-206SI
Description	6 Slot Backplane,6xISA,Single segment AT/ATX
Test Configuration	<input checked="" type="checkbox"/> New product <input checked="" type="checkbox"/> PCB : BP-206SI- A1.1 <input checked="" type="checkbox"/> BIOS : N/A <input checked="" type="checkbox"/> MB :TF-HSB-668I A1.0 <input checked="" type="checkbox"/> CPU Type : On board VIA CoreFusion processor 533Mhz CPU <input checked="" type="checkbox"/> North Bridge : VT82C686B <input checked="" type="checkbox"/> South Bridge : Winbond W83977AIG-AW <input checked="" type="checkbox"/> VGA Chipset : VT82C686B <input checked="" type="checkbox"/> Audio Chipset : Realtek ALC655 <input checked="" type="checkbox"/> Ethernet Chipset : Realtek RTL8100C / RTL8110S-32 <input checked="" type="checkbox"/> I/O Chipset : Winbond W83977AIG-AW <input checked="" type="checkbox"/> TV Chipset : N/A <input checked="" type="checkbox"/> Remark : BP-206SI- A1.1 QE NPDP P5 Test Report
Test Result Summary	
<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> Pass with Deviation Comment: _____ _____	

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Issue date

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There are 3 test results in this document; they are described as follows:

- Pass: Function worked perfectly
- Fail: Function failed and must be modified in the next version
- N/A: Outside of specification or no test equipment

Platform Information:

PCB Model / Version	TF-HSB-668I A1.0
BIOS	HSB-668I BIOS Rev 1.1(5/12/2006)
Operating System	Windows 2000 Professional English Version V5.00.2195 Service Pack 4
CPU	On board VIA CoreFusion processor 533MHz CPU
Memory	128MB(On Board)+Hynix PC133 SDRAM 512MB
Primary IDE Master	Maxtor VAM51JJ0 ATA 133 40GB HDD
Primary IDE Slave	TEAC CD-540E 40X CD-ROM
CRT	ViewSonic E70
LCD	N/A
Compact Flash	N/A
Backplane	BP-206SI A1.1
Riser Card	N/A
Chipset Software	VIA Hyperion 4in1 4.56V
Graphics Media	S3 Graphics Twister +S3 Hotkey 6.13.10.1100(11/7/2002)
LAN Driver	Realtek RTL8139/810x Family Fast Ethernet NIC 5.621.304.2005(3/4/2005)
Audio Driver	N/A
Power Supply	ATX Power: Seventeam ST-300BLP 300W

1. CPU Card Power on-off/Restart Test

Test Method	Test Condition	Result		
		Pass	Fail	N/A
Power On/Off Test in DOS Mode-100V Power Function Test	10 times in Room Temperature	X		
Power On/Off Test in DOS Mode-210V Power Function Test	10 times in Room Temperature	X		
KB Reset in Dos Mode-110V Power Function Test	20 times in Room Temperature	X		
Hardware Reset in Dos Mode-110V Power Function Test	20 times in Room Temperature	X		

2. Backplane Jumper/Connector /Function/LED Test

Backplane Jumper/Connector /Function/LED Test	Result		
	Pass	Fail	N/A
Jumper			
JP1			X
JP2			X
JP3			X
Connector			
CN1 (PS-ON function, to CPU Card for ATX Power signal, 3 pin connector)	X		
CN2 (3 pin +12V DC Fan connector)	X		
CN3 (3 pin +12V DC Fan connector)	X		
CN4 (8 pin Alarm Board Connector)			X
CN5 (SMBus function, from CPU Card to Alarm Board signal, 2 pin connector)			X
CN6 (DF-13 15x2 Pin Dual PCI Express X1 Connector)			X

CN7 (DF-13 15x2 Pin Dual PCI Express X1 Connector)			X
KB1 (KB-In/Out, 5 pin external K/B Connector)	X		
KB2 (KB-In/Out, 5 pin external K/B Connector)	X		
KB3 (KB-In/Out, 5 pin external K/B Connector)			X
KB4 (PS/2 Keyboard Connector)			X
KB5 (AT Keyboard connector (Optional))			X
Power Connector			
ATX1	X		
AT1	X		
PWR1			X
PWR2			X
LED (PCB Printout)			
LED1 (+12V)	X		
LED2 (+5V)	X		
LED3 (-12V)	X		
LED4 (-5V)	X		
LED5 (+5VSB)			X

3. Backplane PCI/ISA/PCI Express Slot Function Test

PCI Slot Function (PCI Adapter Card) Test				
Model	Type	Result		
		Pass	Fail	N/A
CECUBE GC-R9250PCI-D3 (ATI REDEON9250 256MB)	VGA Card			X
CHAINTECH NVIDIA GeForce4 MX440-8X	VGA Card			X
SC3000 CMI8738/C3DX	Sound Card			X
Takram DC-395U V1.02	SCSI Card			X
ADAPTEC Ultra160 SCSI ASC-29160	SCSI Card			X
I-VIEW CP-1400AS (with Age STD-477FAI CCD)	Capture Card			X
Intel GD82559 10/100 Mbps Fast Ethernet Adapter	LAN Card			X
ADMtek AN983B Ethernet Adapter	LAN Card			X
D-Link DGE-530T 1000BASE-T Gigabit Ethernet Adapter	LAN Card			X
D-Link DWL-520+ Wireless LAN	LAN Card			X
ADAPTEC 1420SA RoHS 4-Port SATA II RAID	RAID Card			X
D-Link DU-520 USB 2.0	USB Hub Card			X
Tekram TR-822 Serial ATA 150 [SA-001] + SATA HDD Seagate ST3120026AS 120GB	SATA Card			X
ISA Slot Function Test				
Model	Result			
	Pass	Fail	N/A	
Realtek RTL8019S 10/100 Mbps Ethernet Adapter	X			
Adaptec AHA-1510/20/22B SCSI Card	X			
PCI-Express Function Test				
Model	Result			
	Pass	Fail	N/A	

PER-C101 PCI-E BROADCOM BCM5789KFBG Gigabit LAN x2 (Defined by Aaeon)			X
PER-C102 PCI-E Marvell 88E8036 10/100Mbps LAN x2 (Defined by Aaeon)			X
SksKonnect SK-9E21D 10/100/1000Base-T Adapter PCI-Express X1 LAN Card			X
WinFast PX6200 TC TDH PCI-Express X16 VGA Card			X

4. System Full Loading Test

Run Prime 95 in Windows for 8 hours				
Slot Position	Adapter Card	Result		
		Pass	Fail	N/A
ISA1	HSB-668I-A1.0	X		
ISA2	Adaptec AHA-1510/20/22B	X		
ISA3	Realtek RTL8019S 10/100 Mbps Ethernet Adapter	X		
ISA4	HSB-668I-A1.0	X		
ISA5	Adaptec AHA-1510/20/22B	X		
ISA6	Realtek RTL8019S 10/100 Mbps Ethernet Adapter	X		