

# Backplane Compatibility Verification Test

Release No : 05E010001

<b>Product Model</b>	<b>BP-214SA-P5I6</b>
<b>Product Description</b>	<b>Rack Mount ACPI 14 Slot Backplane.6 PCI.6 ISA.Single.ATX</b>
<b>Test Environment</b>	<input checked="" type="checkbox"/> BackPlane : BP-214SA-P5I6 A1.1  <input checked="" type="checkbox"/> M/B Model: HSB-810A <input checked="" type="checkbox"/> PCB Version: A0.2 <input checked="" type="checkbox"/> BIOS Version: HSB-810A Rev: 0.C (11/29/2004)  <input checked="" type="checkbox"/> M/B Chipset <input checked="" type="checkbox"/> North Bridge : Intel 82855GME <input checked="" type="checkbox"/> South Bridge : Intel 82801DB (ICH4) <input checked="" type="checkbox"/> VGA Chipset : Intel 82855GME <input checked="" type="checkbox"/> Audio Chipset : Realtek ALC65 x 6CH AC97 CODEC <input checked="" type="checkbox"/> Ethernet Chipset : Intel 82562 or 82541 GI/ER (Co-layout) <input checked="" type="checkbox"/> I/O Chipset : Intel 82801DB (ICH4) + ITE 8712 <input type="checkbox"/> TV Chipset : N/A  <input checked="" type="checkbox"/> Remark : BP-214SA-P5I6 A1.1 NPDP P5 External Report

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**Issue date**

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## Test Result for Verification

### Platform Information:

<b>PCB Model &amp; Version</b>	HSB-810A A0.2
<b>Backplane</b>	BP-214SA-P5I6 A1.1
<b>CPU Type &amp; FSB</b>	Pentium M Q349A065 SL6F8 RH80535 1.4GHz [IN-200402]
<b>BIOS Version</b>	HSB-810A Rev: 0.C (11/29/2004)
<b>OS</b>	Windows 2000 Professional English Version V5.00.2195 with SP4
<b>Memory Type</b>	ELPIDA EBD26UC6AKSA-6B DDR333 256MB [SODDR-006]
<b>Primary IDE Master</b>	Maxtor 2F040L0 40GB
<b>Primary IDE Slave</b>	Lite On CD-ROM LTN-527T
<b>Secondary IDE Master</b>	N/A
<b>Secondary IDE Slave</b>	N/A
<b>Floppy Device</b>	TEAC FD-235HF
<b>CRT Device</b>	ViewSonic E653
<b>VGA Driver Version</b>	Intel® 82852/82855 GM/GME Graphics Controller V6.14.10.3792 3/19/2004
<b>LAN Driver Version</b>	Intel® PRO/100 VE Network Connection V7.0.26.0 3/4/2003
<b>Audio Driver Version</b>	Realtek AC'97 Audio V5.10.0.5530
<b>AT or ATX Power Supply</b>	ATX Type: Seventeam ST-300BLV MAX 276W <input type="checkbox"/> AT Type: N/A

Operation System Compatible Test	Result
Install Windows 2000 professional English version V5.00.2195 with service pack 4	PASS
<b>Keyboard &amp; H/W Reset Test by AT Power Supply (Under Room Temperature [ 25 ])</b>	<b>Result</b>
H/W Reset 10 Times (DOS Mode)	N/A
K/B Reset 10 Times (DOS Mode)	N/A
<b>Keyboard &amp; H/W Reset Test by ATX Power Supply: Seventeam ST-300BLV MAX 276W (Under Room Temperature [ 25 ])</b>	<b>Result</b>
H/W Reset 10 Times (DOS Mode)	PASS
K/B Reset 10 Times (DOS Mode)	PASS
<b>Device Outlet / Inlet Test</b>	<b>Result</b>
ATX Power	PASS
AT Power	N/A
CD-ROM	PASS
HDD	PASS
FDD	PASS
<b>Backplane Jumper / Connector / LED Verification</b>	
<b>Jumper</b>	<b>Result</b>
JP1 (AT / ATX)	N/A
JP2	N/A
JP3	N/A
<b>Connector</b>	<b>Result</b>
CN1 (8 pin Alarm Board Connector)	N/A
CN2 (SMBus function, from CPU Card to Alarm Board signal, 2 pin connector)	N/A
CN3 (PS-ON function, to CPU Card for ATX Power signal, 3 pin connector)	N/A
CN4 (3 pin +12V DC Fan connector)	PASS
CN5 (3 pin +12V DC Fan connector)	PASS
KB1 (KB_In, 5 pin external K/B connector)	PASS

KB2 (KB Out, from CPU card K/B connector)	PASS	
KB3 (PS/2 keyboard connector)	PASS	
KB4 (AT keyboard connector)	N/A	
KB5 (KB_Out, from CPU card K/B connector)	PASS	
<b>Power Connector</b>	<b>Result</b>	
ATX1	PASS	
AT1	N/A	
PWR1	N/A	
PWR2	N/A	
<b>LED (Printing by PCB)</b>	<b>Result</b>	
LED1 (+3.3V)	PASS	
LED2 (+5V)	PASS	
LED3 (+12V)	PASS	
LED4 (-5V)	PASS	
LED5 (-12V)	PASS	
LED6 (+5VSB)	PASS	
<b>PCI Slot-Voltage Function Test of Backplane / Riser Card (EP-P80P REV:0.1 PCI Debug Card [DG-200200])</b>	<b>Result</b>	
PPCI1 (5V/D8 , 3.3V/D7 , -12V/D6 , +12V/D5)	PASS	
PPCI2 (5V/D8 , 3.3V/D7 , -12V/D6 , +12V/D5)	PASS	
PPCI3 (5V/D8 , 3.3V/D7 , -12V/D6 , +12V/D5)	PASS	
PPCI4 (5V/D8 , 3.3V/D7 , -12V/D6 , +12V/D5)	PASS	
PPCI5 (5V/D8 , 3.3V/D7 , -12V/D6 , +12V/D5)	PASS	
PPCI6 (5V/D8 , 3.3V/D7 , -12V/D6 , +12V/D5)	PASS	
<b>Backplane (PICMG Slot)</b>	<b>Result</b>	
CPU Card	N/A	
<b>Backplane (APCI Slot)</b>	<b>Result</b>	
HSB-810A A0.2	PASS	
<b>Adapter Card (PCI)</b>	<b>Result</b>	
Matrox G450 G45FMDVP32DB VGA Card [VC-200203]	PASS	
DC-395U SCSI Card [SS-200200]	PASS	
Adaptec ASC-29160 SCSI Card [SS-200201]	N/A	
3Com EtherLink XL 10/100 PCI (3C905C-TXM) LAV Card [NW-016]	PASS	
Genuine EM56-IH Modem Card [MD-007]	PASS	
<b>Adapter Card (ISA)</b>	<b>Result</b>	
Creative Sound Blaster CT4170 Sound Card [SC-006]	PASS	
Intel EtherExpress™ PRO/100 LAN Adapter LAN Card [NW-006]	PASS	
NE2000 Compatible LAN Card (RTL8019AS) [NW-014]	PASS	
<b>Adapter Card (AGP)</b>	<b>Result</b>	
ELSA / GLADIAC 528 128MB / AGP 8X VGA Card [VC-2003002]	N/A	
ASUS / V7100 Pro SE Geforce2 MX-400 64MB / AGP 4X/2X/1X VGA Card [VC-200201]	N/A	
ATI / Radeon VE 32MB / AGP 4X/2X/1X VGA Card [VC-200202]	PASS	
<b>Backplane Function: Adapter Card Full Loading Test (Run PassMark Burn-In Test V3.2 Pro for 8 hours)</b>		
<b>Slot</b>	<b>Adapter Card</b>	<b>Result</b>
AGP1	[VC-200202]	PASS
PPCI1	[NW-016]	PASS
PPCI2	N/A	N/A
PPCI3	HSB-810A A0.2	PASS
PPCI4	PCI Debug Card [DG-200200]	PASS
PPCI5	[SS-200200]	PASS
PPCI6	[MD-007]	PASS
ISA1	[NW-001]	N/A
ISA2	[NW-014]	PASS

ISA3	[SC-006]	PASS
ISA4	[NW-006]	PASS
ISA5	N/A	N/A
ISA6	N/A	N/A
<b>Run HCT (SDRAM : ELPIDA EBD26UC6AKSA-6B DDR333 256MB [SODDR-006]) (Pentium M Q349A065 SL6F8 RH80535 1.4GHz [IN-200402])</b>		<b>Result</b>
Check Device Message in POST		PASS
HCT System Stress		PASS