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Motherboard Specifications, P4SD-LA (Stingray)

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Motherboard specifications table

Feature/Specification	Description
Motherboard Description	<ul style="list-style-type: none">Manufacturer's name - ASUS P4SD-LAHP/Compaq name - Stingray
Motherboard Supplier	ASUS
System BIOS Supplier	ASUS/Award
Board Form Factor	uATX
Processor Brand	Intel
Processor Socket Type	mPGA478
Processor Family	Pentium 4HT
Maximum Processor Core Frequency	Up to 3.2 GHz P4 Northwood

Feature/Specification	Description
Processor Front Side Bus	800/533/400 MHz
Hyper Threading Support	Yes
Processor VRM Specification	Northwood FMB2
Chipset 'North Bridge'	865G
Chipset 'South Bridge'	ICH5
Super I/O	SMsC LPC47M192-NC
Flash BIOS Device Type and Density	FWH 4 Mbit
Memory Type	DDR SDRAM (Supports dual channel)
Memory Speed	PC3200 (400 MHz), PC2700 (333 MHz), PC2100 (266 MHz)
Memory Sockets	Four DDR DIMM (184-pin)
Single or Dual Channel	Dual System Memory
Maximum Memory Supported	4GB (4 x 512MB) unbuffered (HP and Compaq recommend 2GB)
AGP Graphics Support	Yes

Feature/Specification	Description
AGP Graphics Maximum Mode	AGP 8x
Integrated Graphics Supplier	Intel
Integrated Graphics Shared (UMA) Memory	Up to 64 MB Intel DVMT- dynamic (32 MB if less than 256 MB system memory)
Graphics Configuration	Integrated on motherboard
Graphics Connector	AGP 8x (available)
TV-out Device or Configuration	No
Integrated Audio Type	AC'97
AC'97 Codec Device	Realtek ALC650
5.1 (Dolby) Channel Audio Support	Yes, Six speaker mode (requires audio driver and software setting changes)
Passive Speaker Output (amplified)	Speaker-out header
Rear Audio Jacks	Microphone, Line-in, Line-out,
Front Audio Connectors	Headphones, Microphone, Line-in

Feature/Specification	Description
Ethernet 10/100 LAN Supplier	PCI Realtek RT8101L
Ethernet Configuration	Integrated, Down
IEEE 1394 Support	<p>Configuration: Integrated on motherboard</p> <p>MAC/PHY Device: TI TSB43AB22</p> <p>Maximum transfer rate: 400MBps</p> <p>Ports: Two total (1 front, 1 back)</p>
IDE/ATAPI UDMA Modes	<p>2 IDE connectors Supports. 2 IDE devices on each connector. Supports UDMA 100/66/33 - requires an 40 pin/80 conductor cable for UDMA 66 and 100 disk drives</p> <p>2 SATA connectors Supports. 1 Serial ATA-150 disk drive on each connector</p>
Expansion Slots	<p>One AGP,</p> <p>Three PCI,</p> <p>One Ultra ATA</p>
USB Ports	Supports up to 8 USB v2.0
USB Front/Rear Options	Up to four front, four rear
Rear External Ports	<p>One serial,</p> <p>One parallel,</p> <p>One floppy,</p> <p>Two PS/2 (keyboard and mouse),</p> <p>One IEEE 1394,</p> <p>Four USB,</p> <p>One VGA Monitor</p>

Feature/Specification	Description
Front External Ports	Two USB, One IEEE 1394
Fan support	Headers for CPU and System CPU Fan Speed Control for active fansink System Fan Speed Control
Available Manufacturer Options	Integrated graphics (G), Integrated LAN (L), Six speaker mode, Dolby 5.1 (6) Integrated 1394 (E)

Motherboard layout and photos

Figure 1: Photo

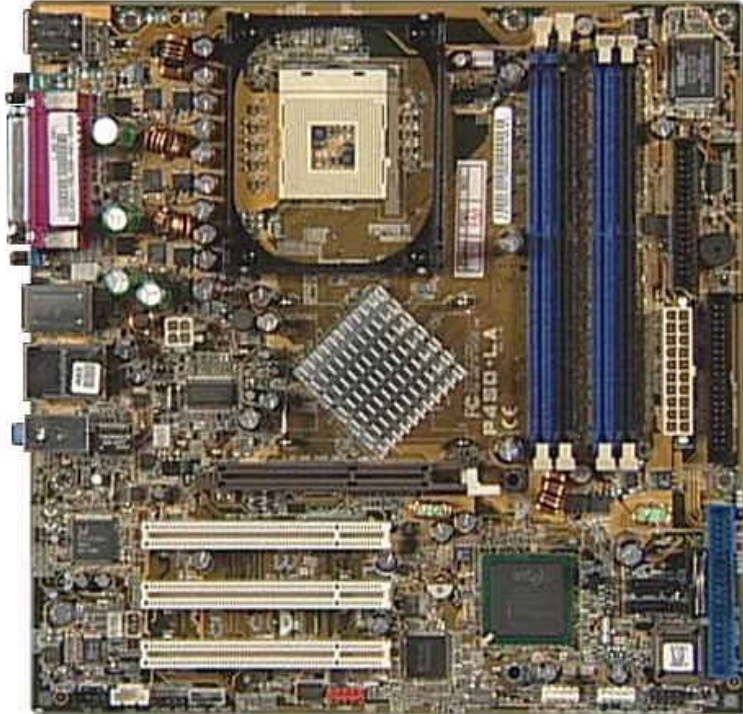


Figure 2: Layout of the P4SD-LA GL6E motherboard

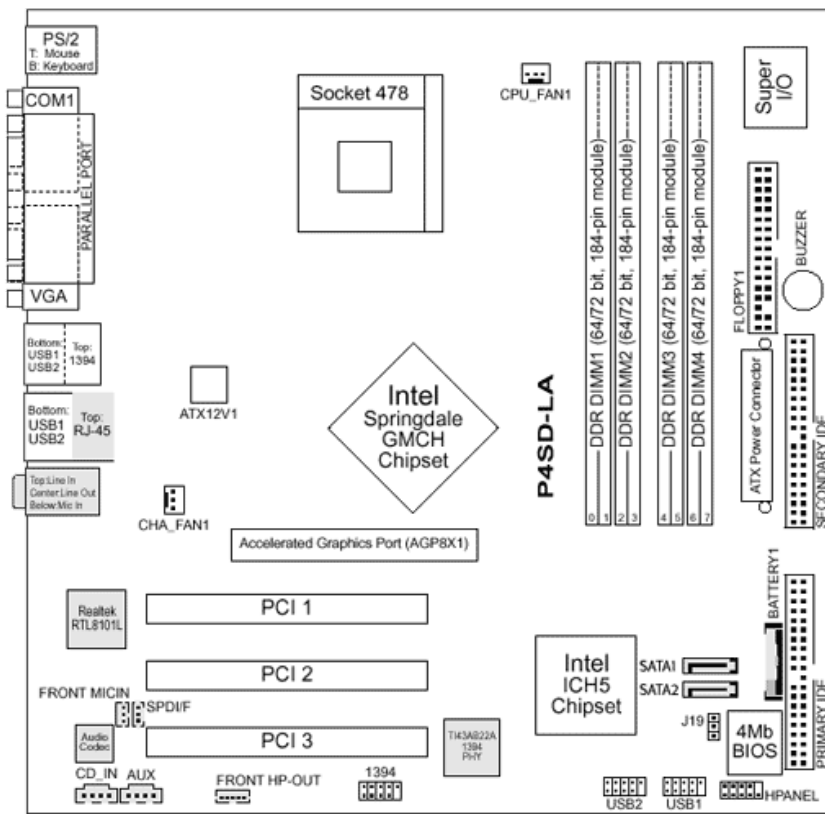
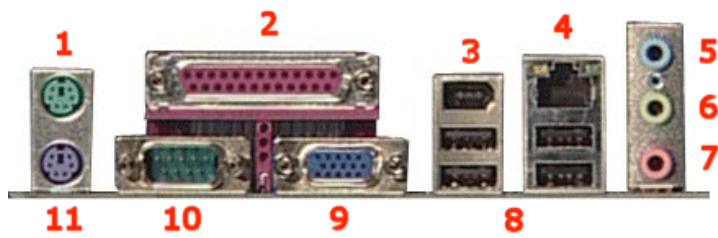


Figure 3: Backplate



- 1. Mouse**
- 2. Parallel**
- 3. IEEE 1394 FireWire**
- 4. LAN**
- 5. Line-In**
- 6. Line-Out**
- 7. Microphone**
- 8. USB**
- 9. VGA**
- 10. Serial**
- 11. Keyboard**

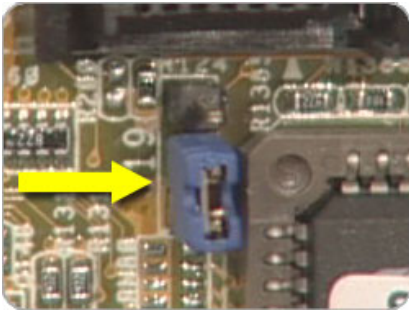
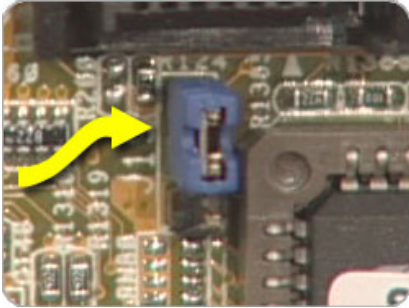
Clearing the CMOS settings

The 3-pin J19 jumper allows you to clear date, time, and system setup parameter memories in CMOS. The onboard button cell battery powers the RAM data in CMOS, including system setup information.

⚠ CAUTION:

Do not change any jumper setting while the computer is on. Damage to the motherboard can result.

1. Turn off the PC and unplug the power cord.
2. Move the J19 jumper cap from pins 1-2 (normal) to pins 2-3 (clear CMOS).



3. Keep the J19 jumper cap on pins 2-3 for 5 to 10 seconds, then move it back to pins 1-2.
4. Plug in the power cord and turn on the PC.
5. Enter the **BIOS setup** to change the BIOS settings.



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