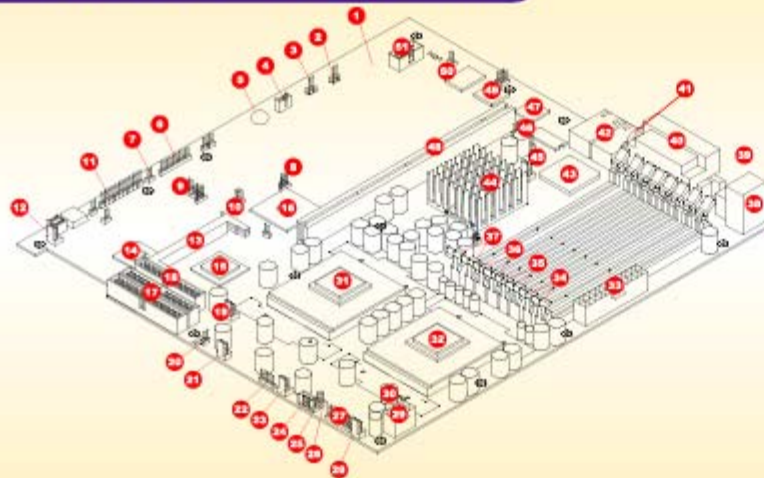


## 6022P-I Motherboard Components



1 Super P4DPI-G2 serverboard	18 Floppy	34,35,36,37 Bank 1,2,3,4
2 JBT1: CMOS clear	19 CPU2 fan	38 PS/2 keyboard/mouse ports
3 JWDR: wake-on-ring header	20 JL1: chassis intrusion header	39 USB 0/1
4 WOL: wake-on-LAN header	21 CPU2 chassis Fan	40 COM1, VGA, parallel ports
5 Speaker	22 USB 4	41 Battery
6 USB 2/3	23 CPU1 chassis fan	42 LAN1, 2
7 JP32: ACPI/sleep button header	24 JPB: power fail alarm En/disable	43 Overheat Fan
8,9,10 JP13-15 PCI-X bus speed setting	25 JP33: CPU chassis/ CPU fan select	44 MCH
11 JD1: PWR LED/speaker/NMI header	26 JP36: alarm reset switch	45 JOH1: overheat LED
12 Chassis Fan2	27 JP2: Front control panel controller	46 JP38: thermal fan En/disable
13 IPM1	28 Chassis fan 1	47 JP4: VGA enable/disable
14 BIOS	29 J15: secondary ATX power conn.	48 JP17: PCI-X 133MHz
15 ICH3	30 CPU1 fan	49 JD4 LAN1/2 En/disable
16 P64H2	31, 32 CPU1, CPU2	50 JP35: keylock switch connector
17 IDE #1, #2	33 ATX PWR CONN	51 COM 2

## Front Panel Functions



1. 6 x 3.5" IDE drive bays
2. 1 slim CD-ROM
3. 1 slim floppy drive
4. 1 x 5.25" drive bay
5. Overheat: Indicates an overheat condition in the system
6. NIC1: Indicates network activity on LAN1 when flashing
7. NIC2: Indicates network activity on LAN2 when flashing
8. HDD: Indicates IDE channel activity.
9. Power: Indicates power is being supplied to the system's power supply units

## Rear Panel Functions

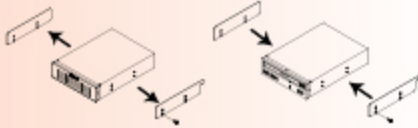


1. Auto switching AC power connector
2. PS/2 mouse and keyboard ports
3. 2 USB ports
4. COM 1
5. VGA
6. 1 Parallel port
7. 2 Ethernet ports
8. 3 I/O Riser card slots

## P4DPi-G2 Quick Reference

Jumper	Description	Default Setting
JBT1	CMOS clear	Pins 1-2 (Normal)
JD1	Speaker enable	Close 6-7 (Enabled)
JD4	LAN1/LAN2 enable/disable	Pins 1-2 (Enabled)
JP4	VGA enable/disable	Pins 1-2 (Enabled)
JP9	Power fail alarm enable/disable	Open (Disabled)
JP33	CPU chassis/CPU fan select	Closed (CPU Fan)
JP38	Thermal fan enable/disable	Open (BIOS control)

## Installing 5.25" Drive Bay Rail



Remove the drive bay cover by pressing the tab. Install the rails onto the new component and then the new component into the drive bay until you hear a clicking sound from the tab.

## PCI-X Bus Speed Settings

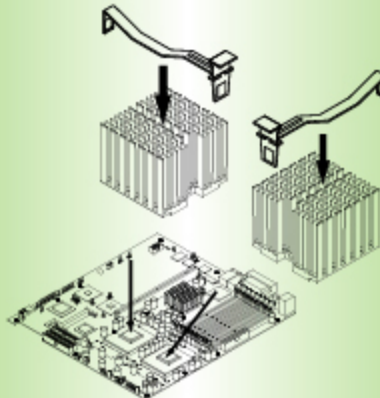
JP14	JP15	JP13	Protocol	Max. Freq.
OFF	OFF	OFF	PCI-X	133 MHz
OFF	ON	OFF	PCI-X	100 MHz
OFF	ON	Pins 1-2	PCI-X	66 MHz
OFF	ON	Pins 2-3	PCI	66 MHz
ON	ON	Pins 2-3	PCI	33 MHz

## Cooling Fan Installation

### Warning !

#### CPU Heat Sink Installation Procedures (For Supermicro SuperServer 2U Systems)

Due to the fact that adequate air flow and proper thermal control are very critical in maintaining 2U system's stability and performance, it is imperative that the proper installation procedures listed below be followed in order to maximize system performance. This is especially critical for 2U Dual Processor Servers with speeds of 1 GHz and above.



- 1) Only those CPU heat sinks that are provided by Supermicro should be used.
- 2) Apply a small amount of silicon compound on the CPU's die.
- 3) Place the CPU heat sink on top of the CPU.
- 4) Place the heat sink spring on top of the CPU heat sink and secure the clip of the spring into its notch.  
(Make sure the clip position is the same as the picture shown above.)

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