

6LA7

USER'S MANUAL

1. **System power on by PS/2 Mouse:** First, enable this function in CMOS Setup, then you can power on the system by double clicking the right or left button of your PS/2 Mouse.
2. **System power on by Keyboard:** If your ATX power supply supports larger than 300 mA 5V Stand-By current (dependent on the specification of keyboards), you can power on your system by entering password from the Keyboard after setting the "Keyboard power on" jumper and password in CMOS Setup.
3. **Internal Modem Ring-On.**
4. **Modem Ring-On (COM A & COM B).**
5. **Wake-up on LAN supports.** (The ATX power supply supports larger than 720 mA 5V Stand-By current)
6. **Support 3 steps ACPI LED.**

INTEL® Celeron™ Socket 370 Processor MAINBOARD
REV. 1.2 First Edition

R-12-01-090616

The author assumes no responsibility for any errors or omissions which may appear in this document nor does it make a commitment to update the information contained herein.

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Jun. 16, 1999 Taipei, Taiwan

I. Quick Installation Guide :

CPU SPEED SETUP

The system bus speed can be selectable between 66MHz. The user can select the system bus speed (JP4,JP5,JP6) and change the DIP SWITCH (SW) selection to set up the CPU speed for 366 - 566MHz processor.

⚠ The CPU speed must match with the frequency RATIO. It will cause system hanging up if the frequency RATIO is higher than CPU's.

CPU FREQ. RATIO	DIP SWITCH (SW)			
	SW1	SW2	SW3	SW4
X 3	ON	OFF	ON	ON
X 3.5	OFF	OFF	ON	ON
X 4	ON	ON	OFF	ON
X 4.5	OFF	ON	OFF	ON
X 5	ON	OFF	OFF	ON
X 5.5	OFF	OFF	OFF	ON
X 6	ON	ON	ON	OFF
X 6.5	OFF	ON	ON	OFF
X 7	ON	OFF	ON	OFF
X 7.5	OFF	OFF	ON	OFF
X 8	ON	ON	OFF	OFF
X 8.5	OFF	ON	OFF	OFF

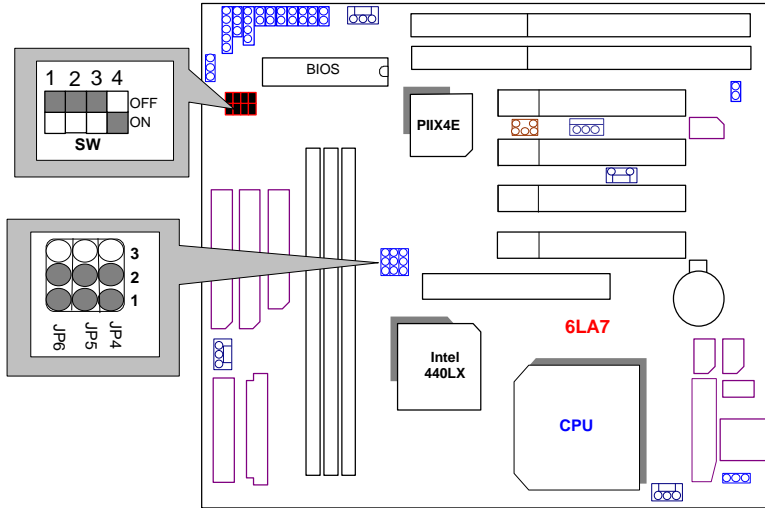
⚠ JP4, JP5, JP6 (Select the system speed; 66 / 75 / 83 MHz)

MAIN CLOCK	JP6	JP5	JP4
66MHz	1-2	1-2	1-2
75MHz	1-2	2-3	1-2
83MHz	2-3	1-2	2-3

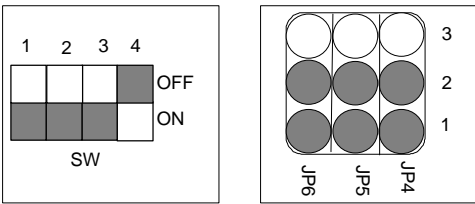
★ Note: We don't recommend you to setup your system speed to 75 or 83MHz because these frequencies are not the standard specifications for CPU, Chipset and most of the peripherals. Whether your system can run under 75 or 83MHz properly will depend on your hardware configurations: CPU, SDRAM, Cards, etc.

The black part in the picture is the white extruding piece of the DIP switch.

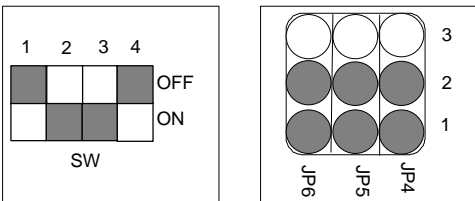
1. Celeron™ 366 / 66 MHz FSB



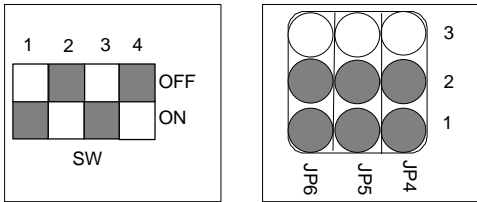
2. Celeron™ 400 / 66 MHz FSB



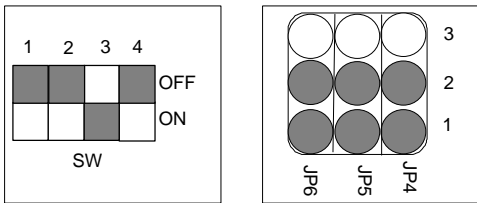
3. Celeron™ 433 / 66 MHz FSB



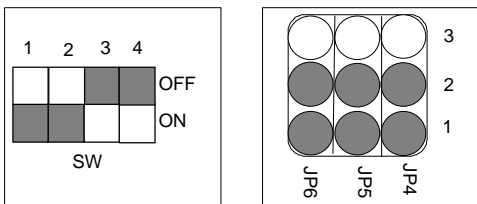
4. Celeron™ 466 / 66 MHz FSB



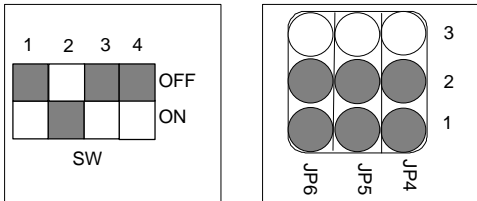
5. Celeron™ 500 / 66 MHz FSB



6. Celeron™ 533 / 66 MHz FSB

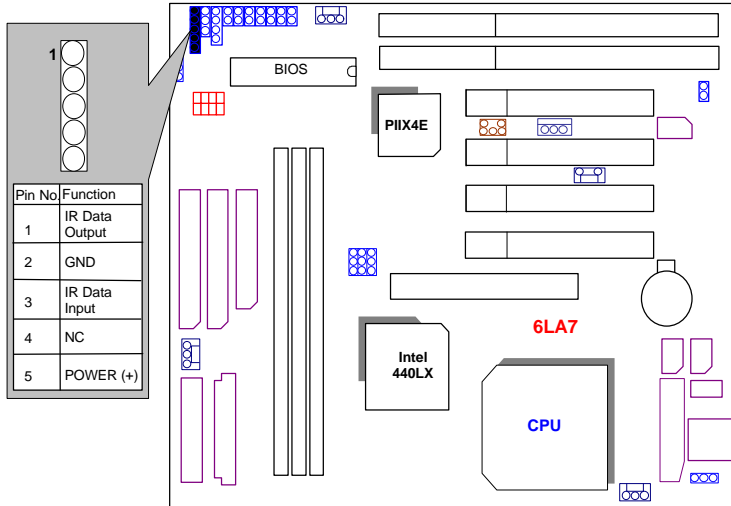


7. Celeron™ 566 / 66 MHz FSB

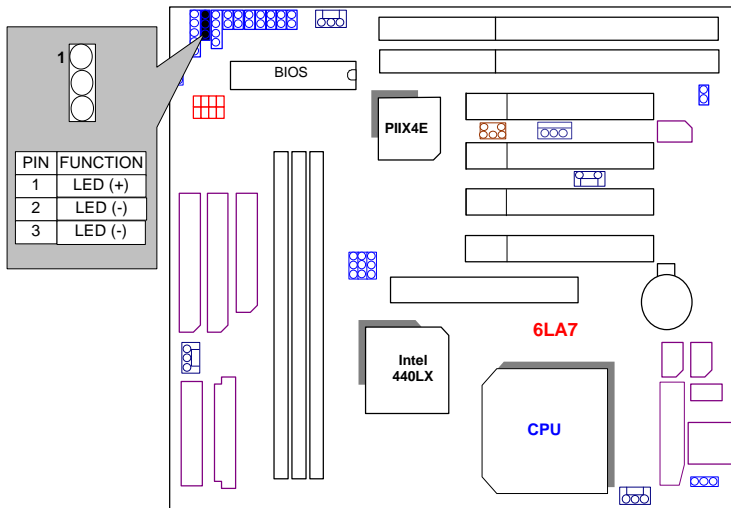


I. Jumper setting :

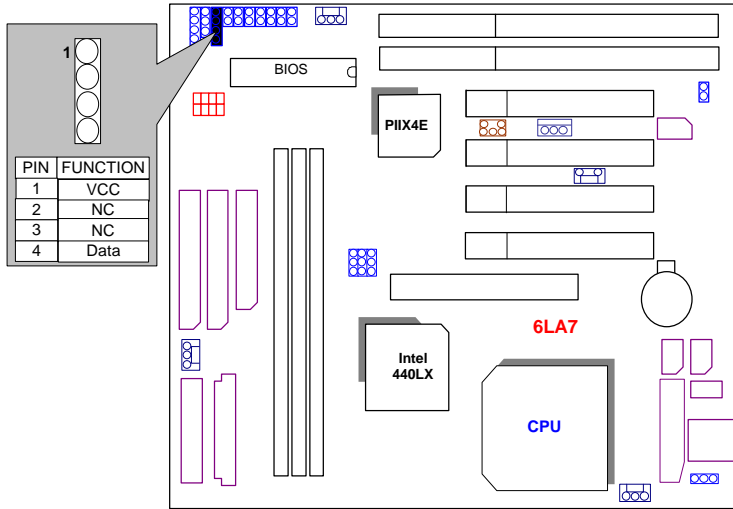
IR : Infrared Connector (Optional)



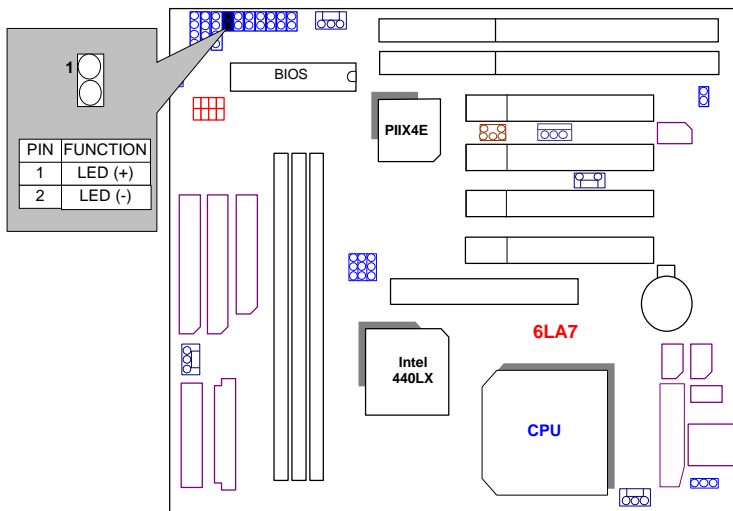
PWR : Power LED Connector (as 3 steps ACPI LED)



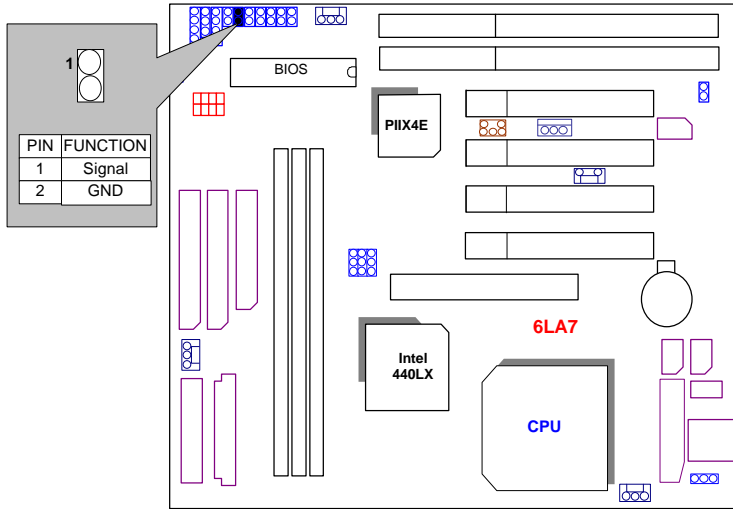
SPKR : Speaker Connector



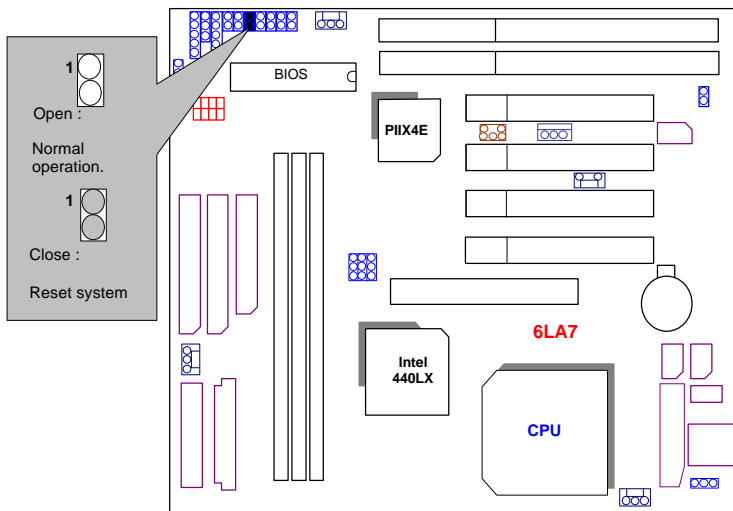
TD : Turbo LED Connector



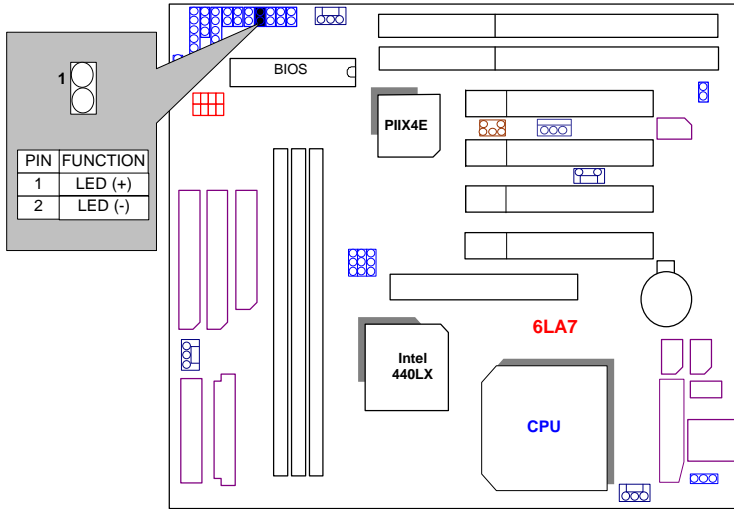
TB : Turbo Switch Connector



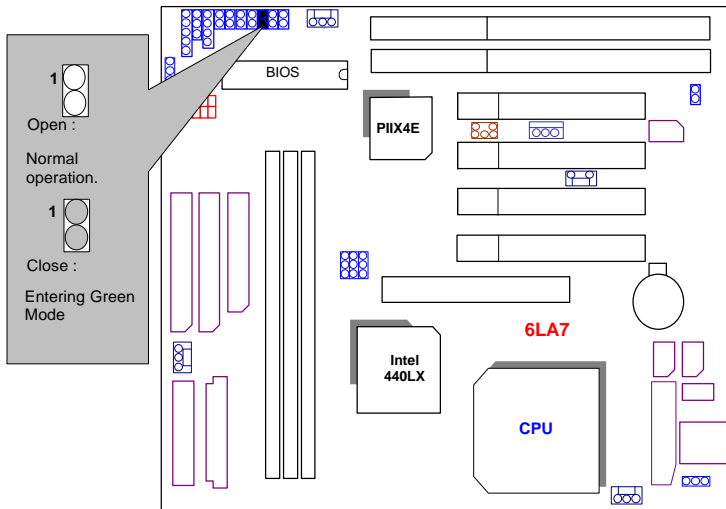
RST : Reset Switch



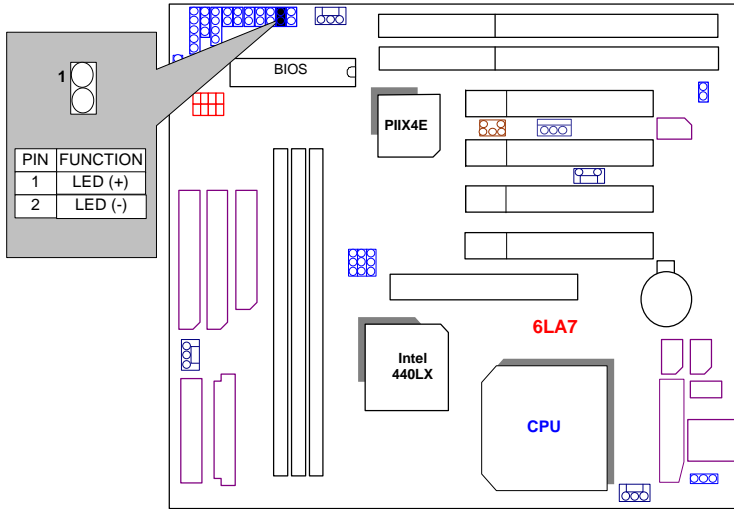
GD : Green LED Connector



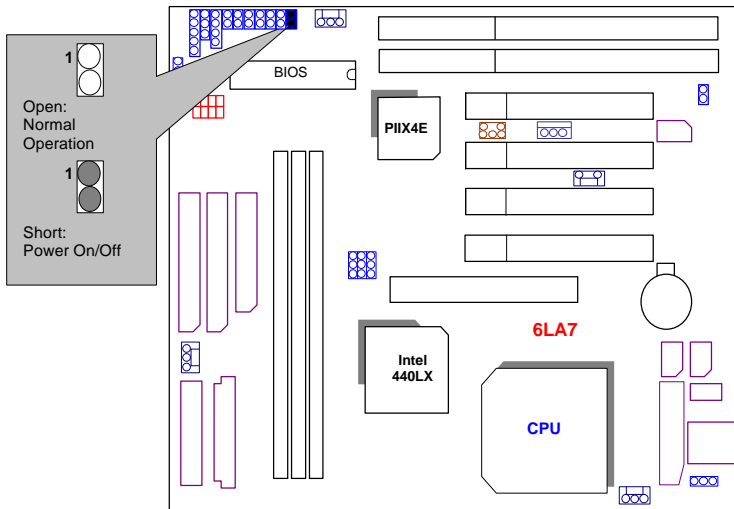
GN : Green Function Switch



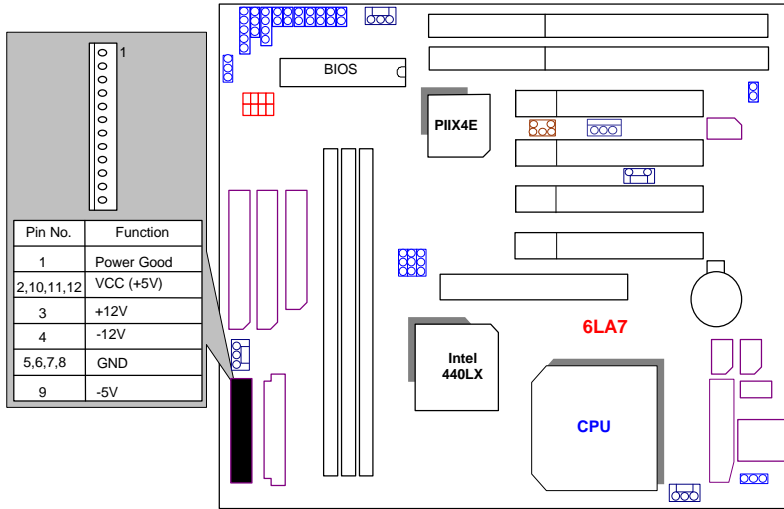
HD : IDE Hard Disk Active LED



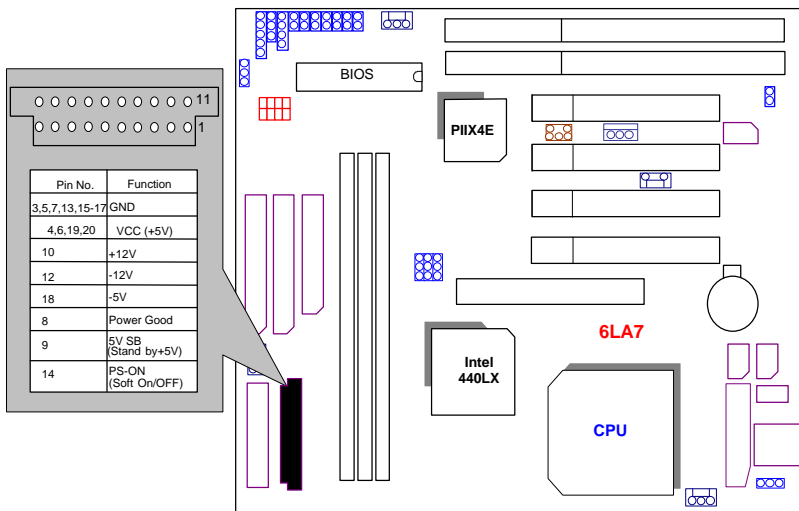
Soft PWR : Soft Power Connector



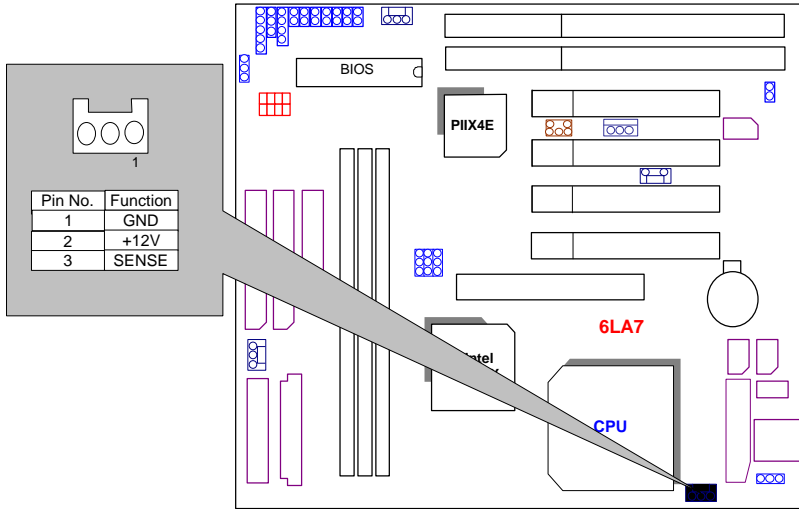
POWER : Power Connector



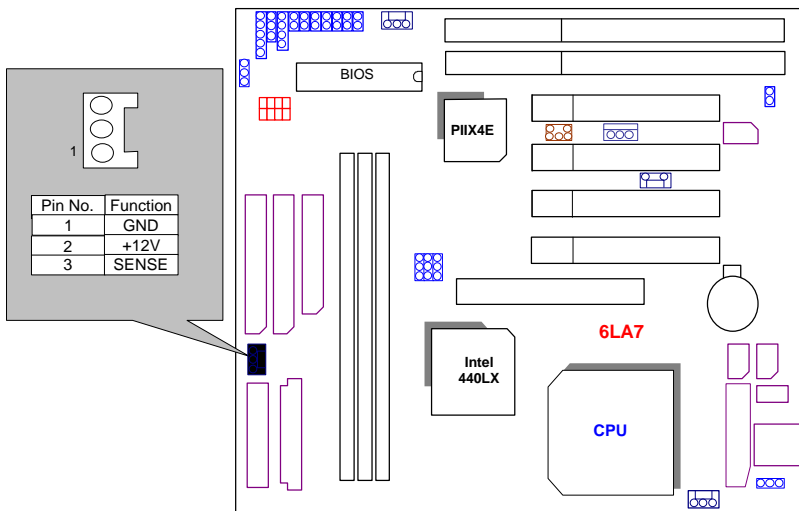
ATX POWER : ATX POWER Connector



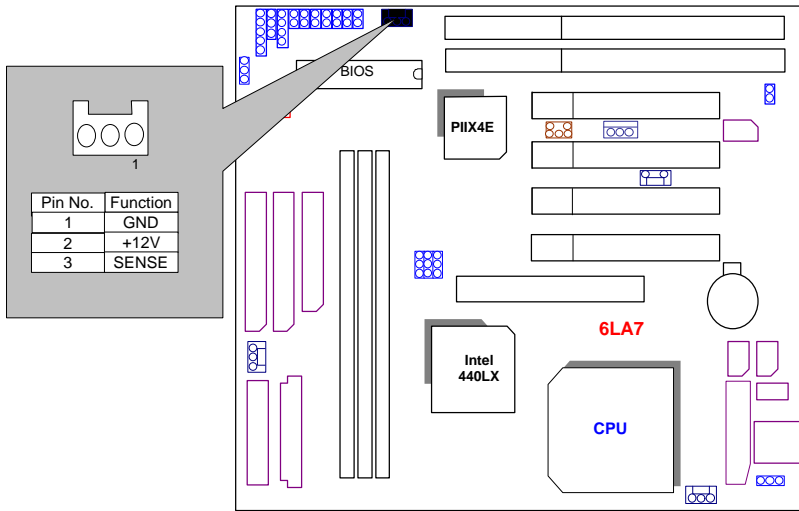
CPU Fan : CPU Cooling Fan Power Connector



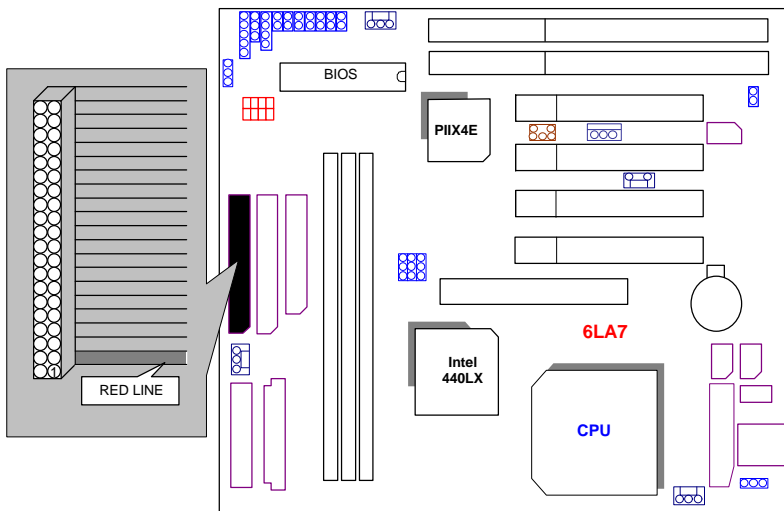
POWER Fan : Power Fan Power Connector



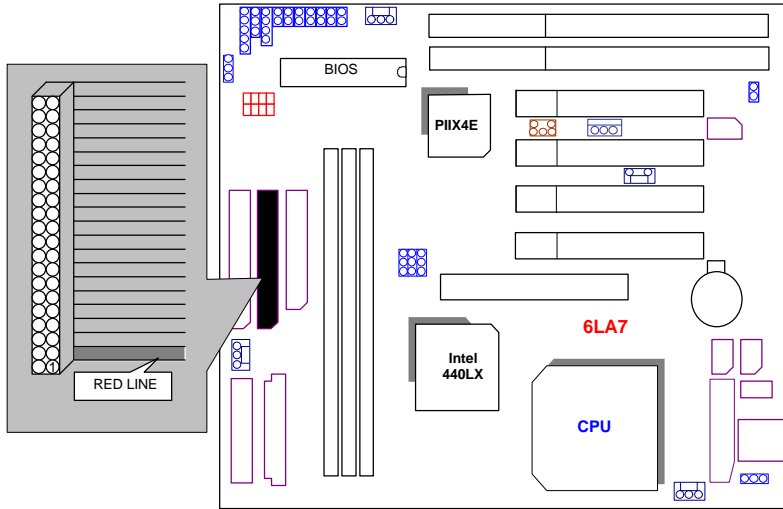
SYSTEM Fan : System Fan Power Connector



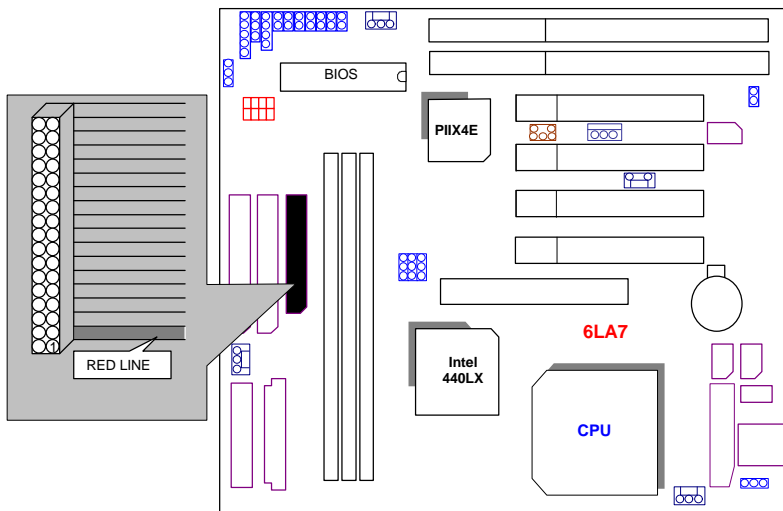
IDE1: For Primary IDE port



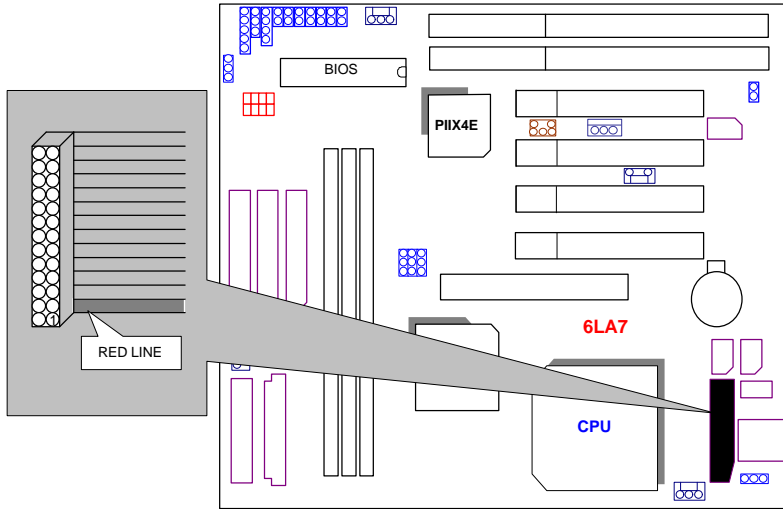
IDE2: For Secondary IDE port



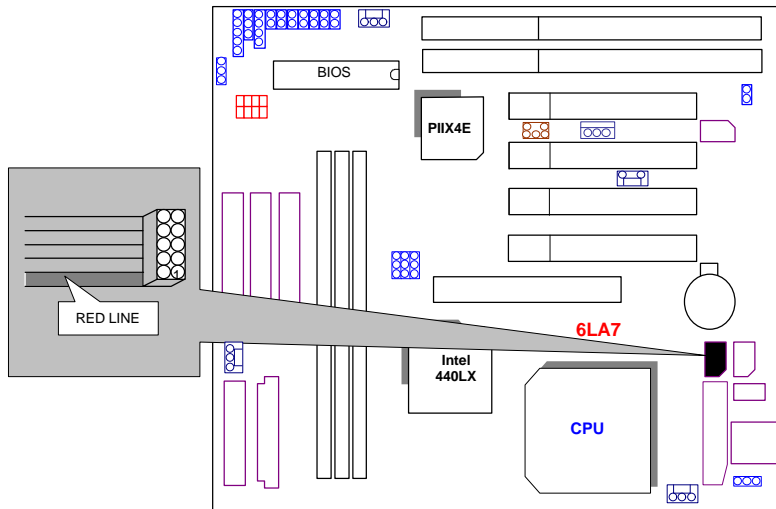
FLOPPY : FLOPPY PORT



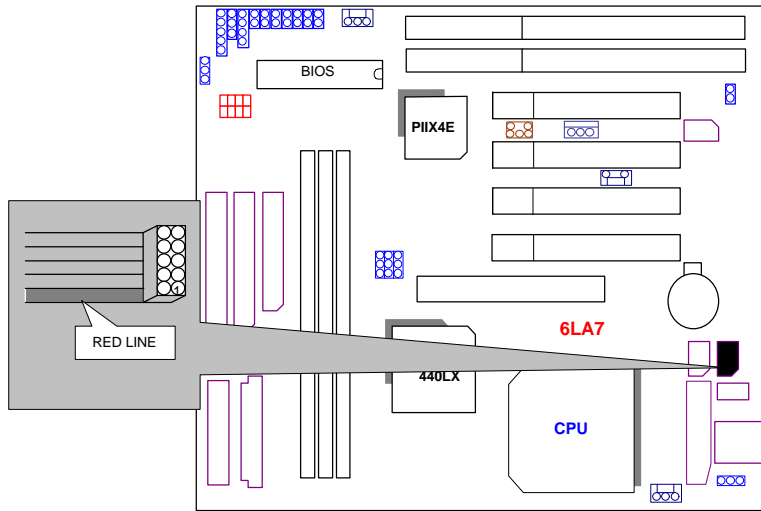
LPT : LPT PORT



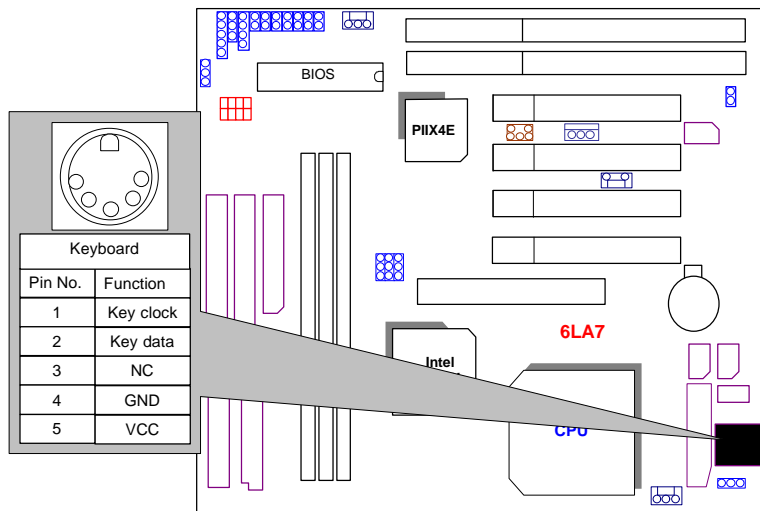
COMB : COM B PORT



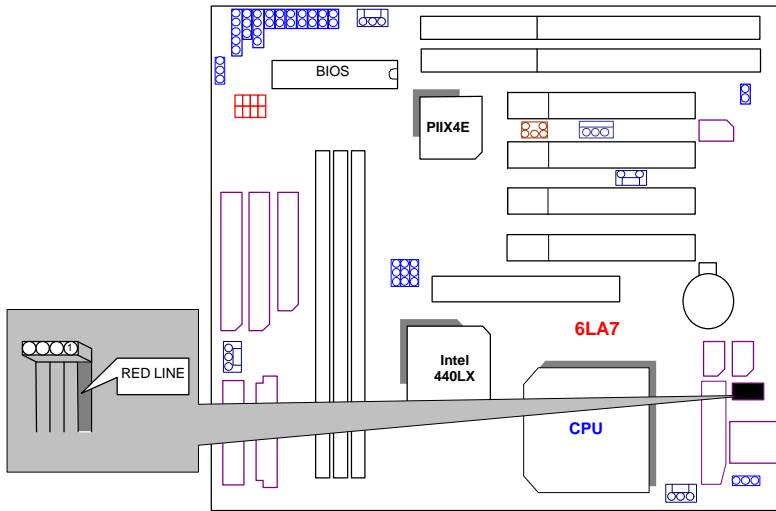
COMA : COM A PORT



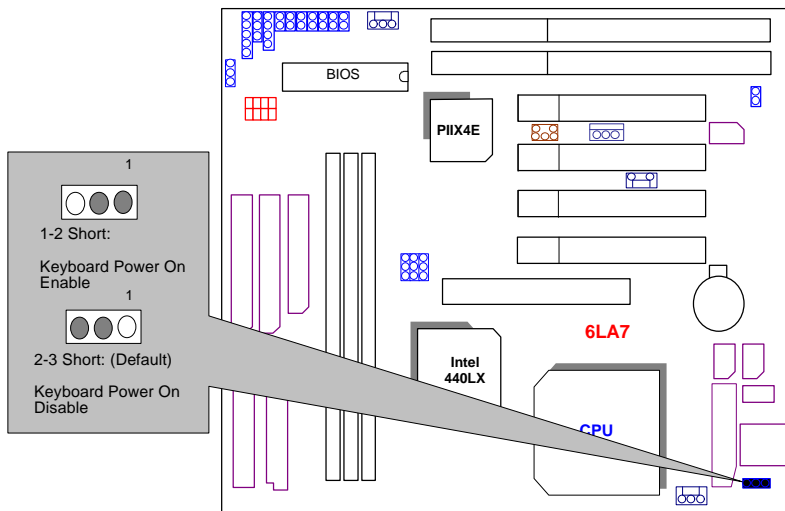
K.B : Keyboard Connector



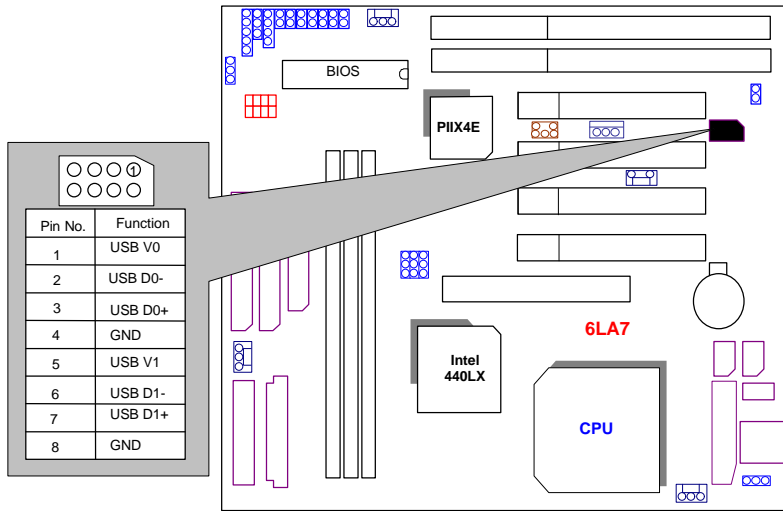
JP3 : PS/2 MOUSE



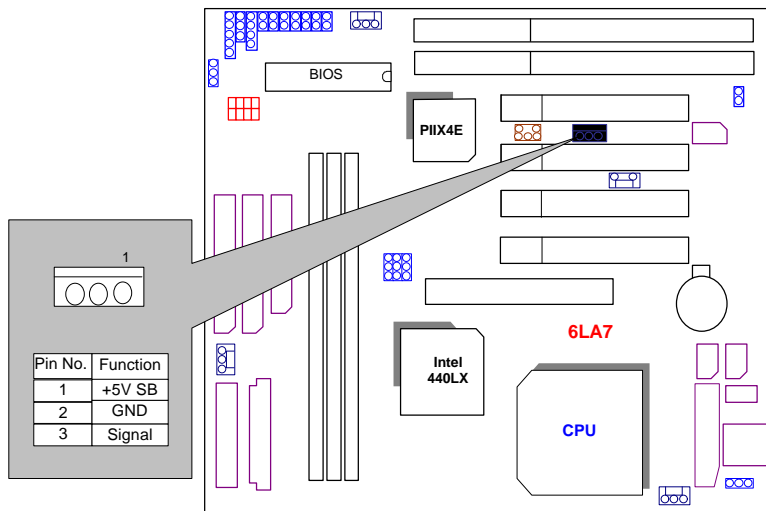
JP1 : Keyboard Power On (for ATX Power Supply only)



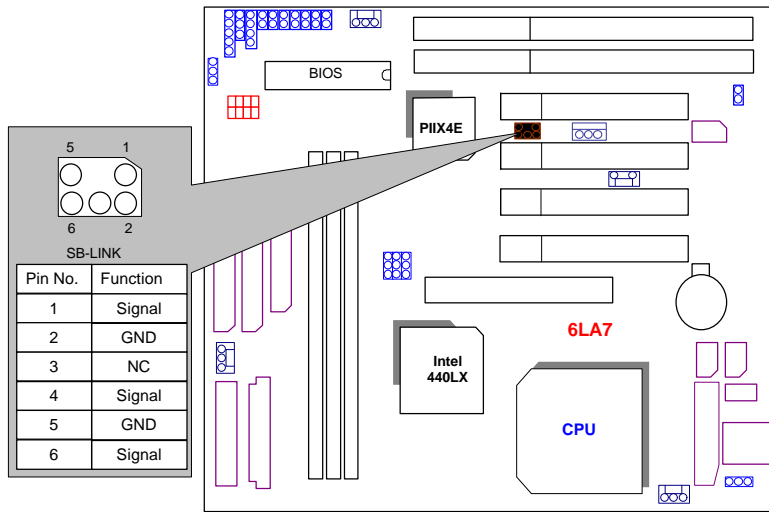
USB : USB Port



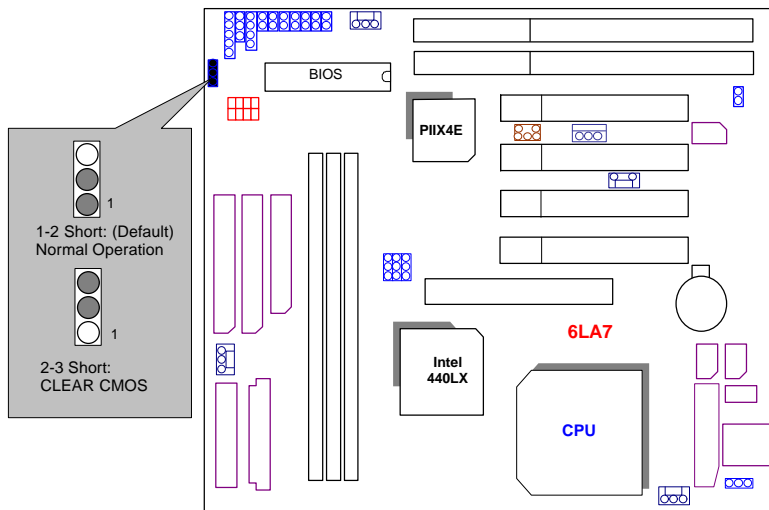
J7: Wake on Lan (for ATX Power Supply only)



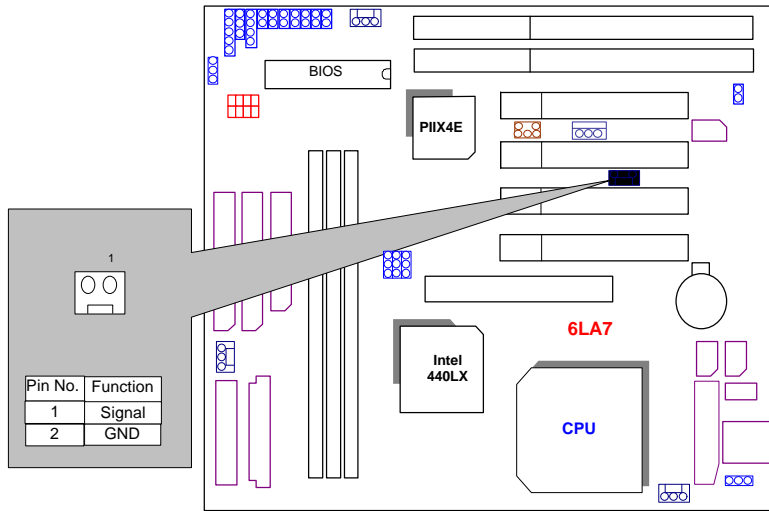
SB-LINK : For PCI Audio / Sound Card use only
(Creative PCI Sound Card Support)



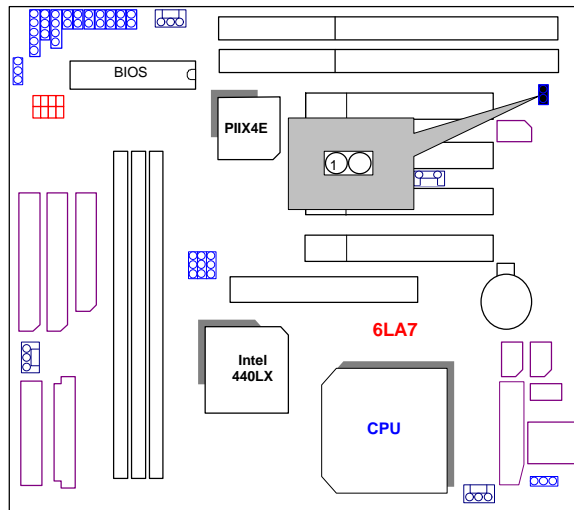
JP10: CLEAR CMOS Function



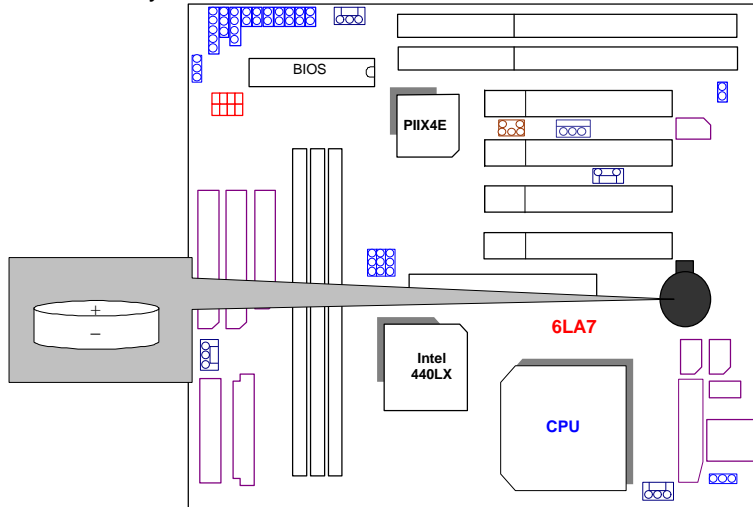
JP7: Internal Modem Card RING PWR ON



JP9:CASE OPEN Function



BAT1 : For Battery



- ⚠ Danger of explosion if battery is incorrectly replaced.
- ⚠ Replace only with the same or equivalent type recommended by the manufacturer.
- ⚠ Dispose of used batteries according to the manufacturer's instructions.

III. Top Performance Test Setting:

The following performance data list is the testing results of some popular benchmark testing programs.

Users have to modify the value for each item in chipset features as follow

```
AMIBIOS SETUP - CHIPSET FEATURES SETUP
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Auto Detect DIMM Clock :Enabled
SDRAM RAS to CAS Delay :Fast
SDRAM CAS Latency      :2 Clks
SDRAM RAS Precharge Time :Fast
DRAM Interity Mode     :Non ECC
Fixed Memory Hole      :Disabled
Delayed Transaction    :Disabled
USB K/B Legacy Support :Disabled

ESC : Quit          ↑↓↓ : Select Item
F1  : Help          PU/PD/+/- : Modify
F5  : Old Values   (Shift)F2 : Color
F6  : Load BIOS Defaults
F7  : Load Setup Defaults
```

for top performance setting.

** Each value of items as above depends on your hardware configuration :
CPU , SDRAM , Cards , etc.
Please modify each value of items If your system does not work properly

These data are just referred by users, and there is no responsibility for different testing data values gotten by users. (The different Hardware & Software configuration will result in different benchmark testing results.)

- CPU Intel® Celeron™ 366MHz Socket 370 processor
- DRAM (128x 1) MB SDRAM (LGS GM72V66841CT7J)
- CACHE SIZE 128 KB included in CPU
- DISPLAY GA-630 VOODOO BANSHEE (16MB SGRAM)
- STORAGE Onboard IDE (Seagate ST34520A)
- O.S. Windows NT™4.0 (SPK4)
- DRIVER Display Driver at 1024 x 768 x 64 colors x 75Hz.
TRIONES Bus Master IDE Driver 3.70

Processor	Intel® Celeron™ 366MHz Socket 370 366MHz (66x5.5)
Winbench99	
CPU mark32	707
FPU Winmark	1970
Business Disk	4180
Hi-End Disk	10200
Business Graphics	175
Hi-End Graphics	330
Winstone99	
Business	26.7
Hi-End	24.1