

# 6EA

## 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 720 mA 5V Stand-By current, you can power on your system by entering password from the Keyboard after setting the "Keyboard power on" jumper (JP1) and password in CMOS Setup.
3. **Modem Ring-On (COM B).**
4. **Wake-up on LAN supports.** (The ATX power supply supports larger than 600 mA 5V Stand-By current)
5. **Support 3 steps ACPI LED.**

**Pentium® II Processor MAINBOARD**

**REV. 1.0 First Edition**

**Release Date: 98.04.24**

R-01-01-080522



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May 22, 1998 Taipei, Taiwan

## I. Quick Installation Guide :

### CPU SPEED SETUP

The system bus speed can be selectable between 66.6MHz. The user can select the system bus speed (JP2,JP3,JP4) and change the DIP SWITCH (**SW**) selection to set up the CPU speed for 200 - 366MHz 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.**

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

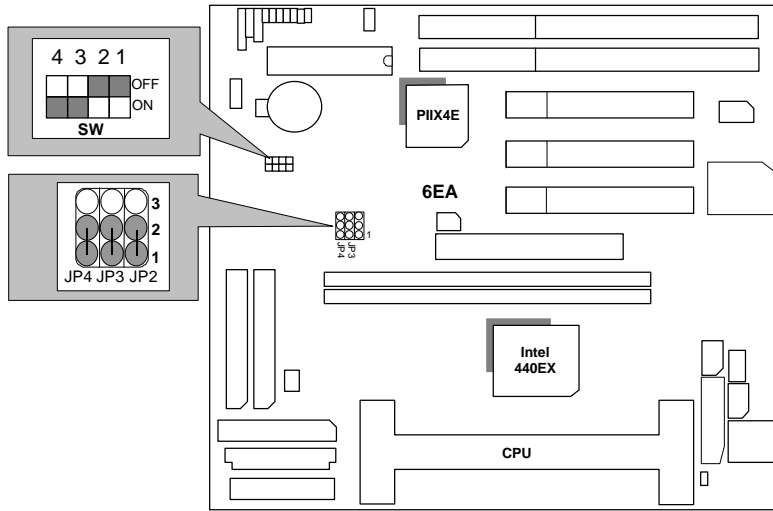
⚠ **JP2, JP3, JP4** (Select the system speed; 66.6 / 75 / 83 MHz )

MAIN CLOCK	JP2	JP3	JP4
66MHz	1-2	1-2	1-2
75MHz	1-2	2-3	1-2
83MHz	2-3	2-3	2-3

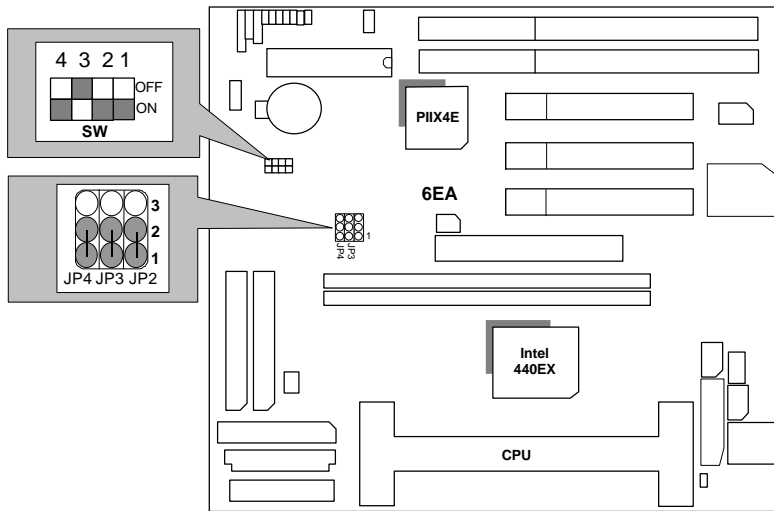
★ **Note: We don't recommend you to setup up your system speed up to 75 or 83MHz because they are not the standard spec. of peripherals. If you want to run 75 or 83 MHz in your system properly, it depends on your hardware configurations: CPU,**

**SDRAM, Cards, etc.**

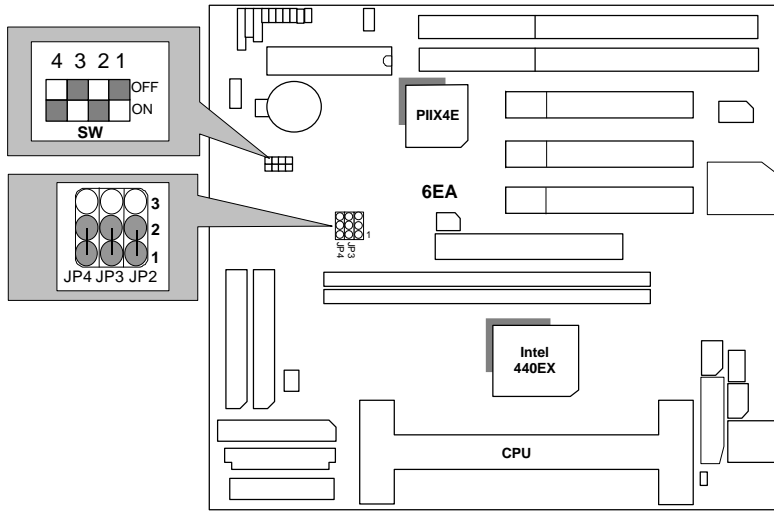
**1. Pentium® II 233 / 66 MHz FSB**



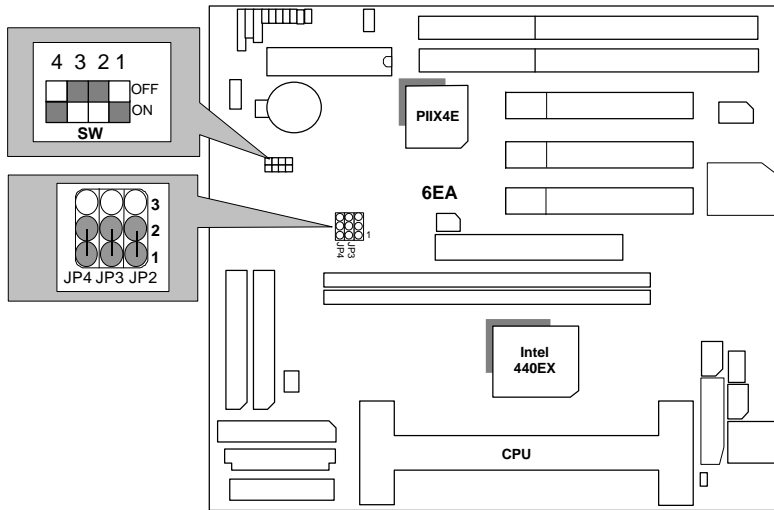
**2. Pentium® II 266 / 66 MHz FSB**



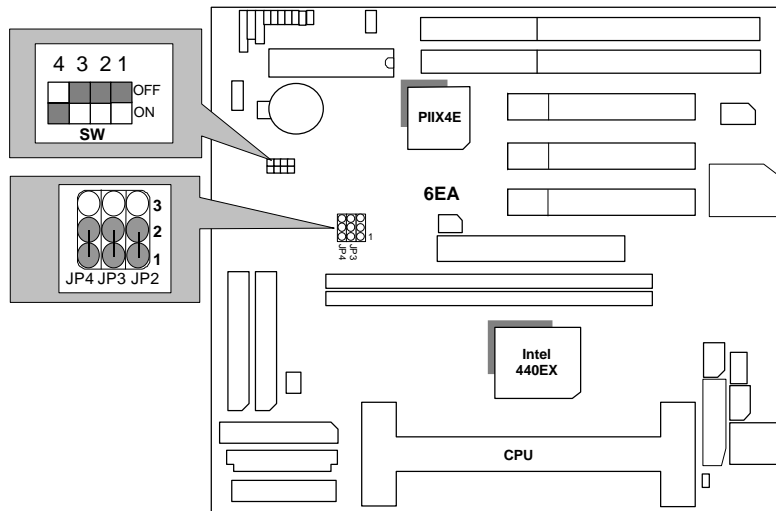
3. Pentium® II 300 / 66 MHz FSB



4. Pentium® II 333 / 66 MHz FSB

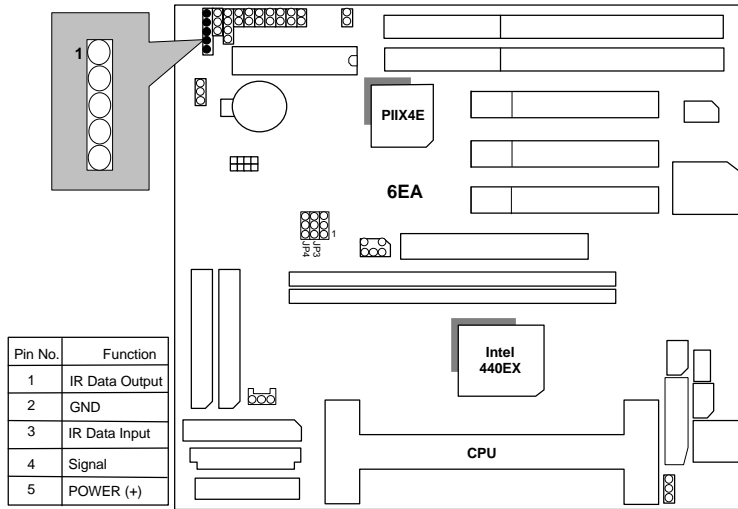


### 5. Pentium® II 366 / 66 MHz FSB

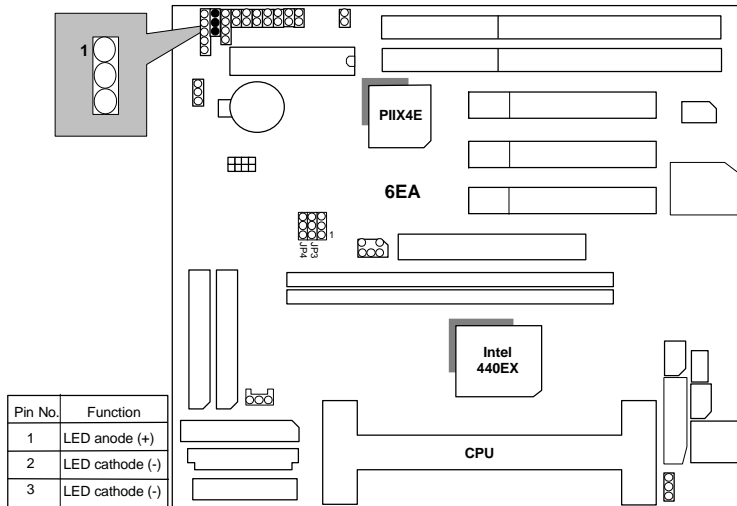


### II. Jumper setting :

IR : Infrared Connector (Optional)

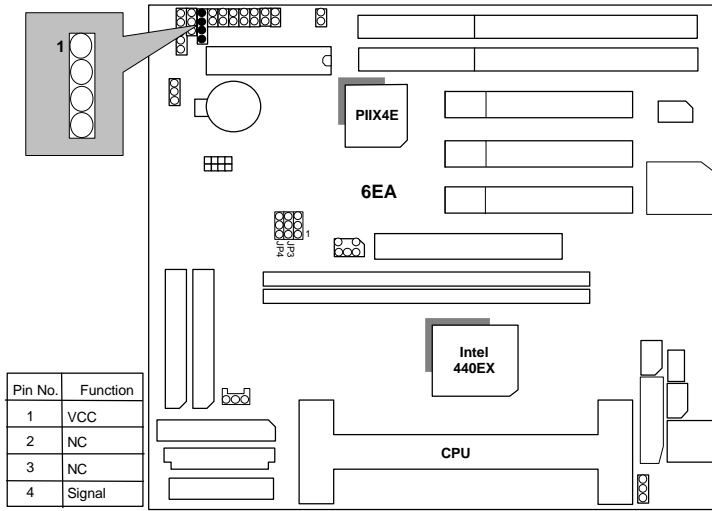


PWR : Power LED

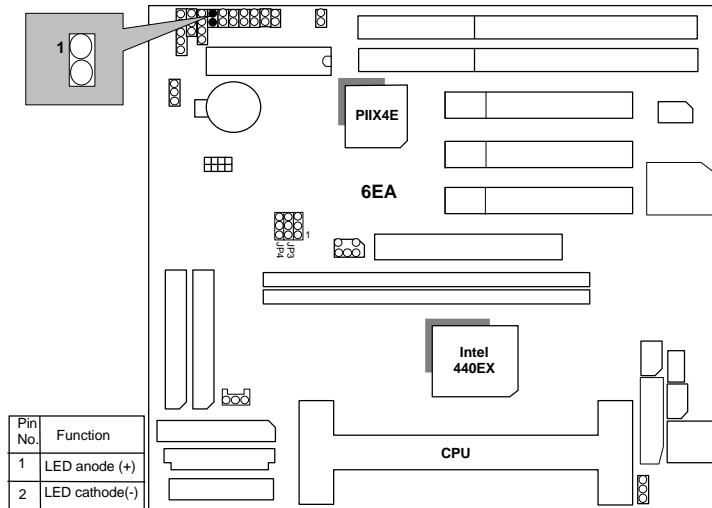


SPK : Speaker Connector

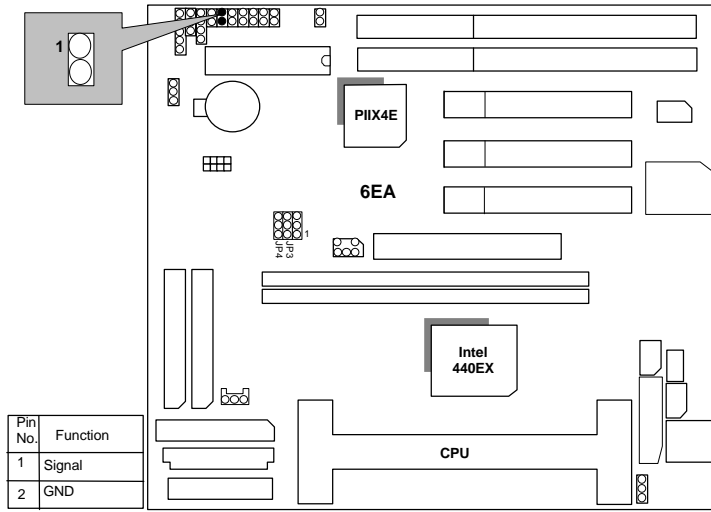




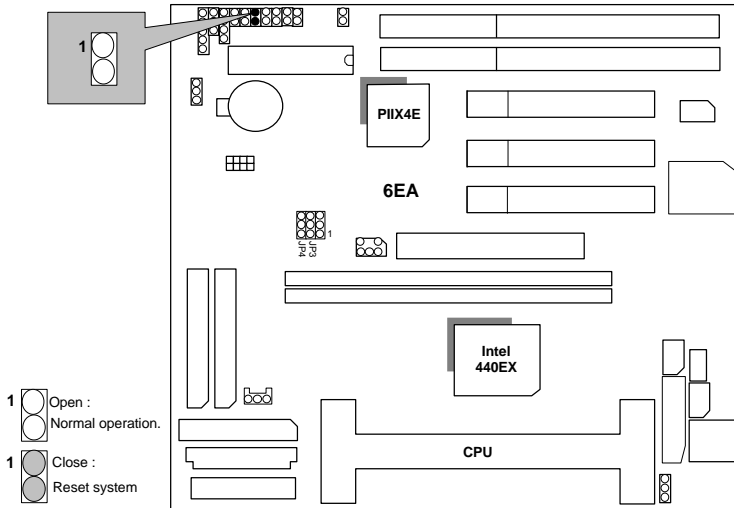
TD : Turbo LED Connector



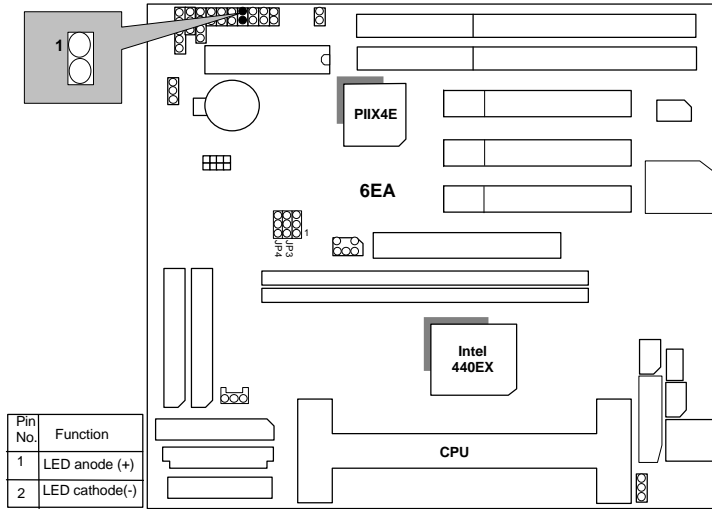
TB : Turbo Switch Connector



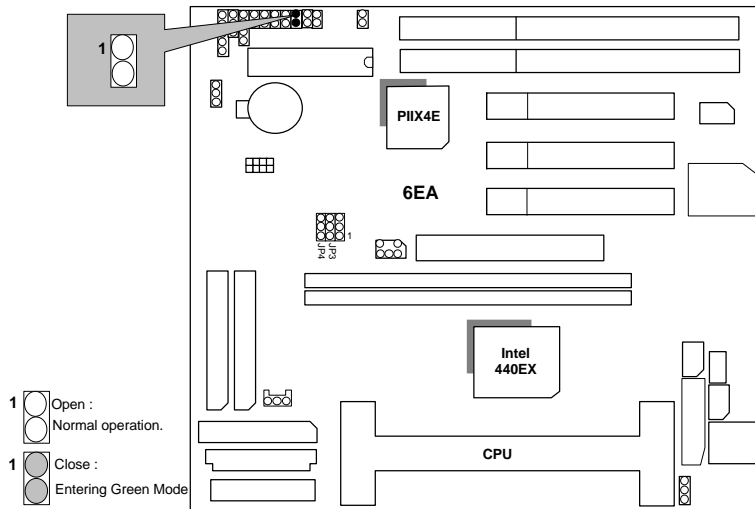
RST : Reset Switch



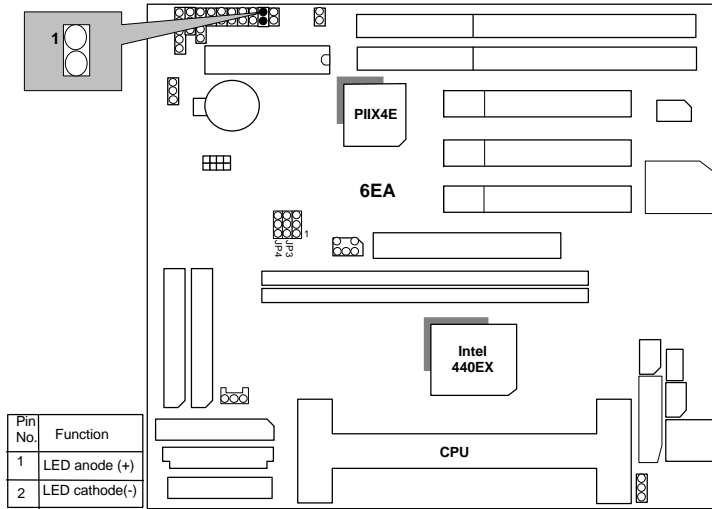
GD : Green LED Connector



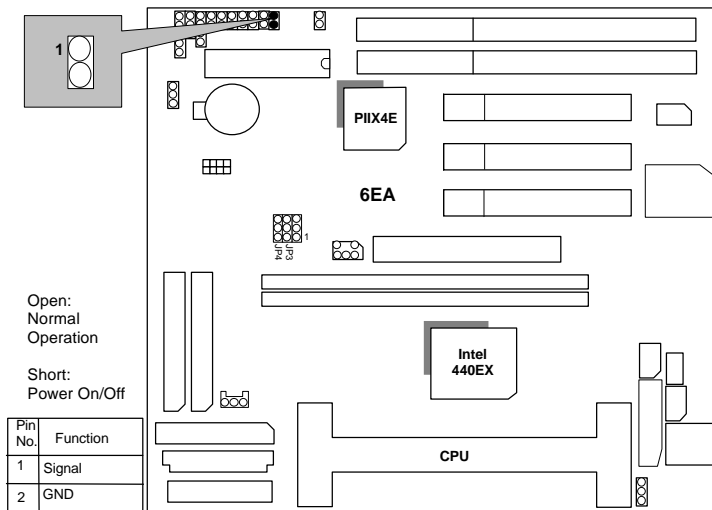
GN : Green Function Switch



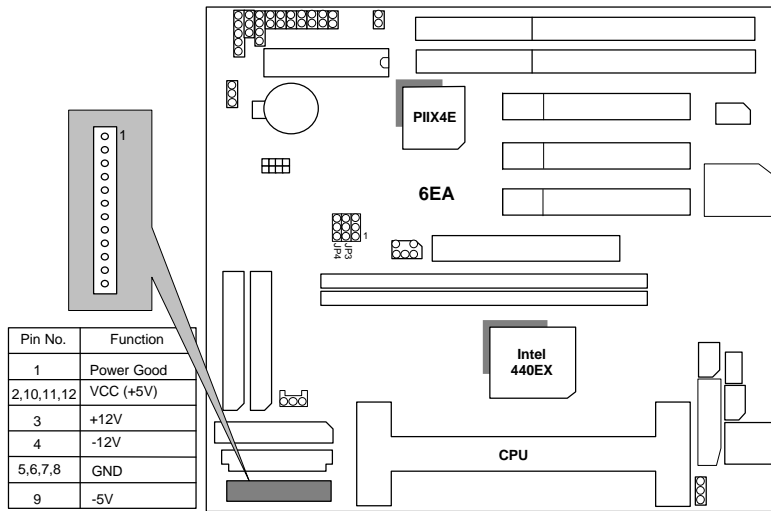
HD : IDE Hard Disk Active LED



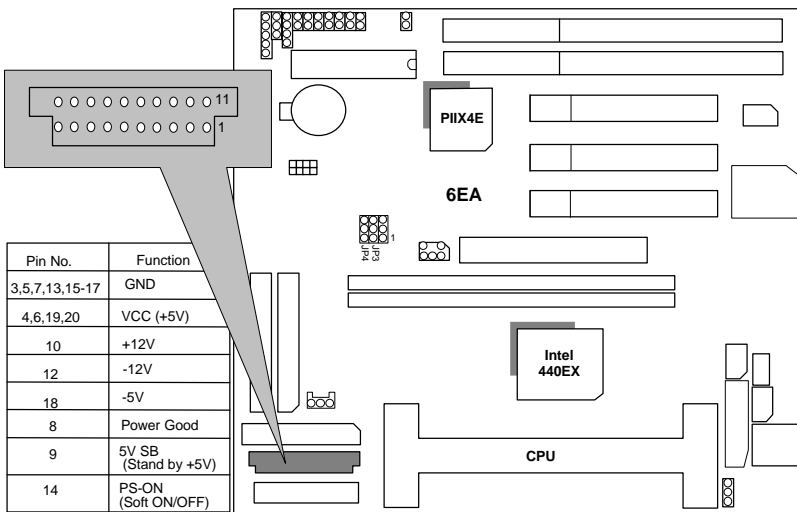
Soft PWR : Soft Power Connector



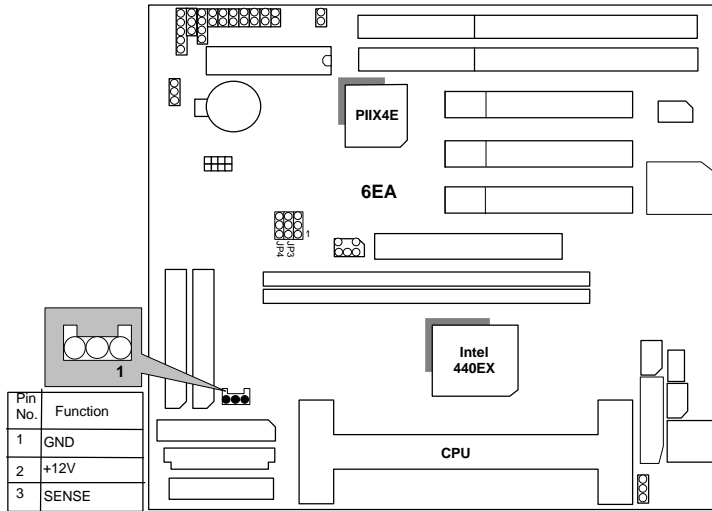
POWER : Power Connector



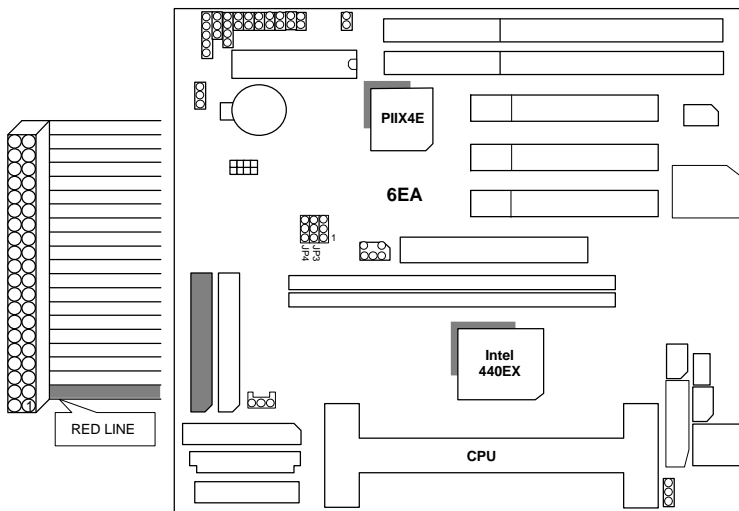
ATX POWER : ATX POWER Connector



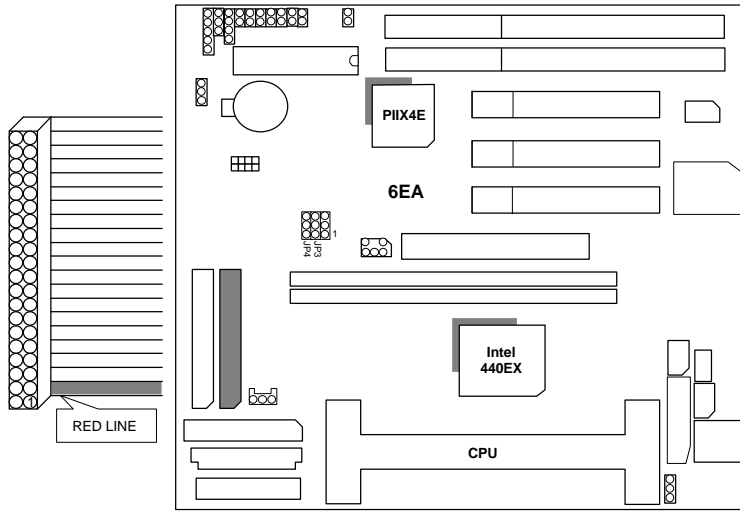
FAN PWR : CPU Cooling Fan Power Connector



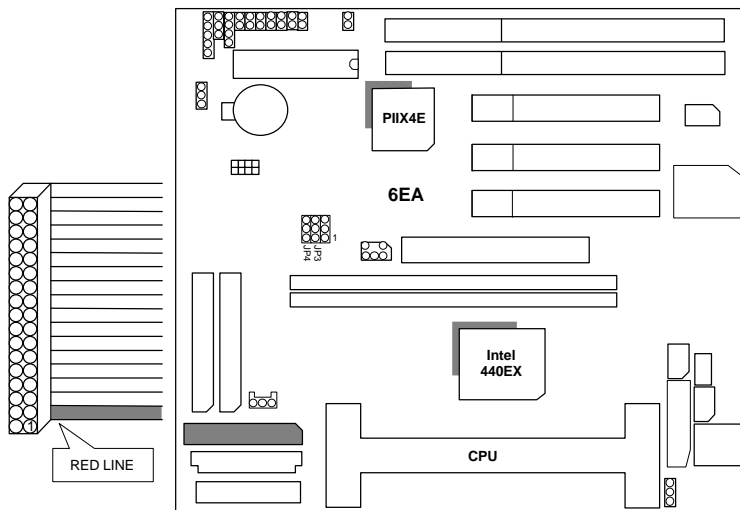
IDE1: For Primary IDE port



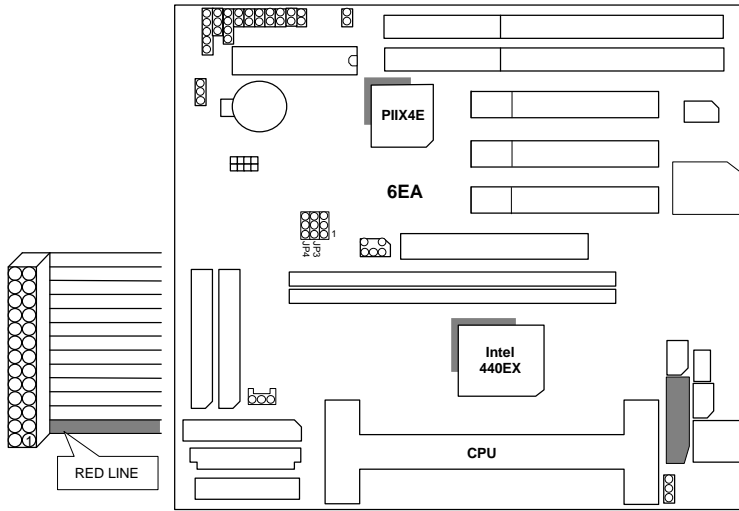
IDE2: For Secondary IDE port



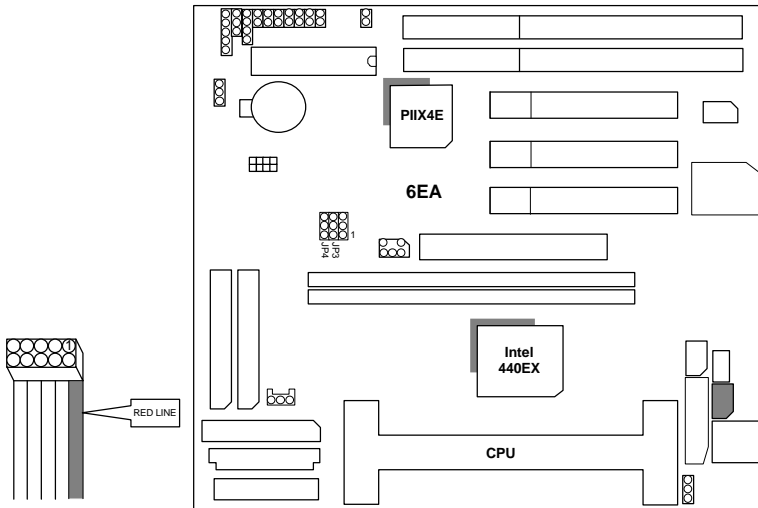
FLOPPY : FLOPPY PORT



LPT : LPT PORT

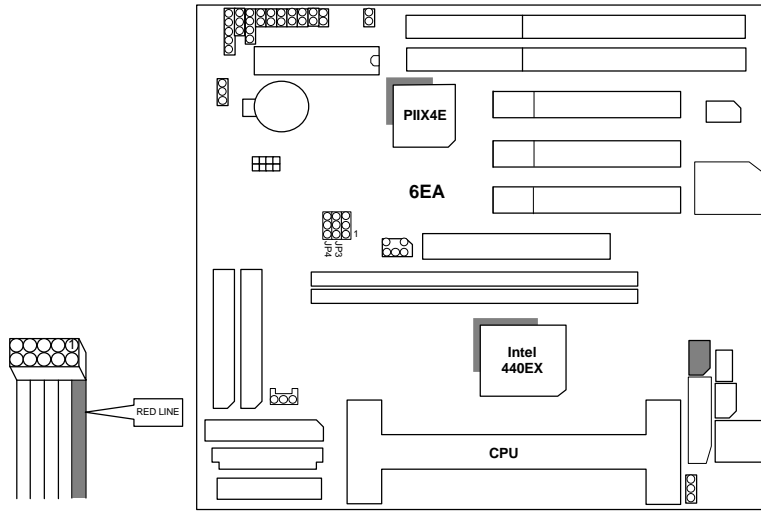


COMB : COM B PORT

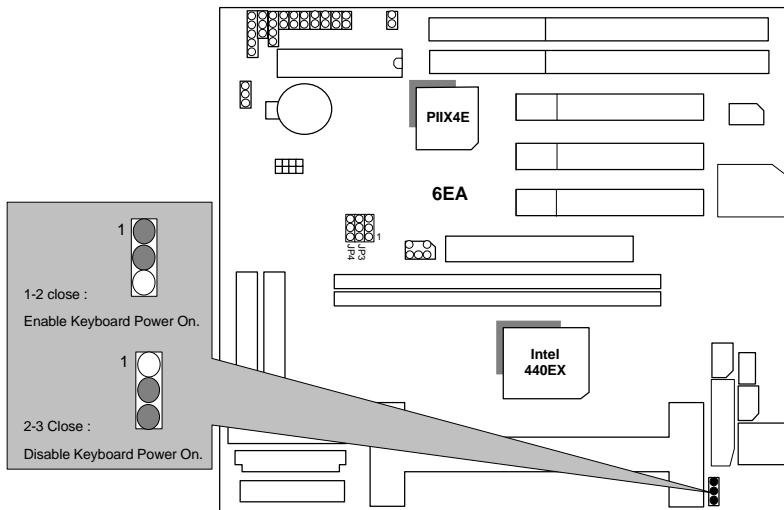


COMA : COM A PORT

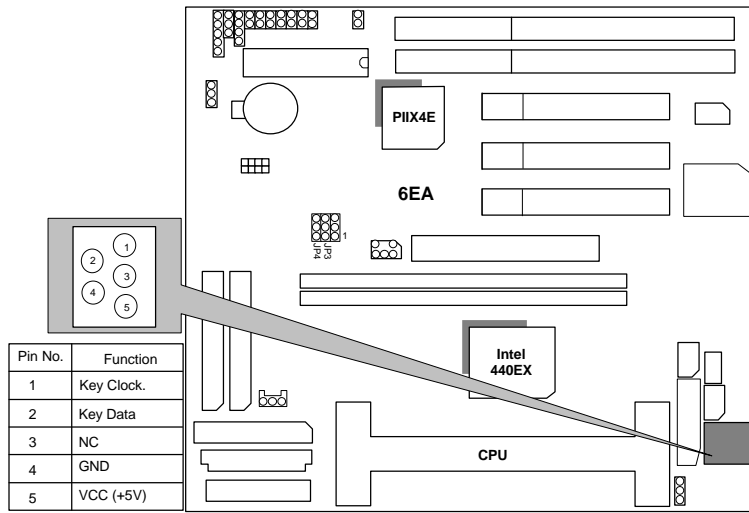




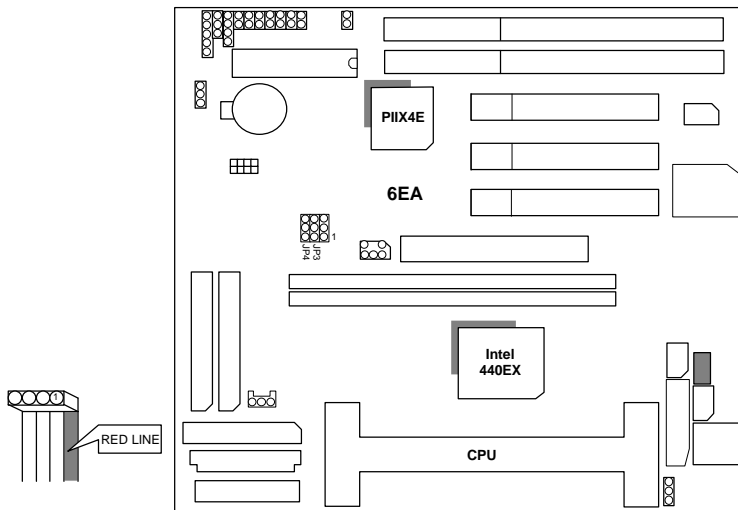
JP1 : Keyboard Power On (for ATX Power Supply only)



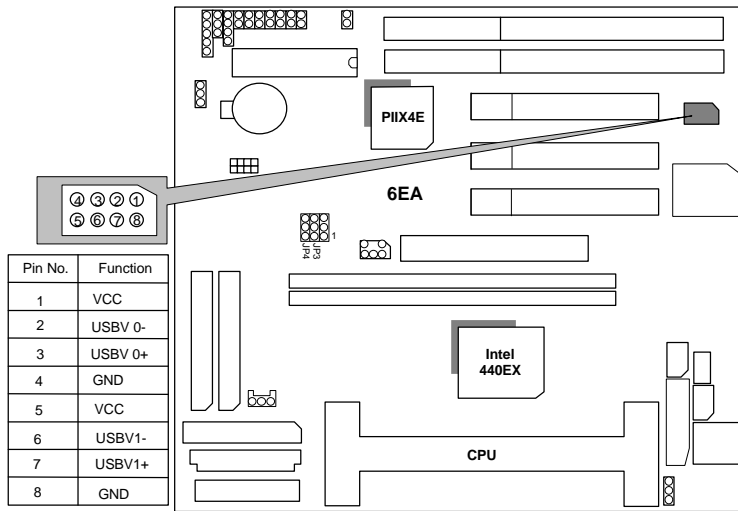
K.B : Keyboard Connector



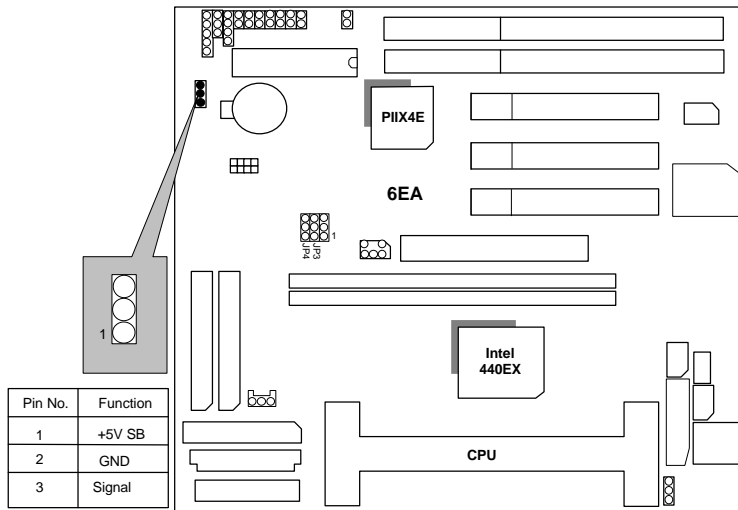
J7 : PS/2 MOUSE



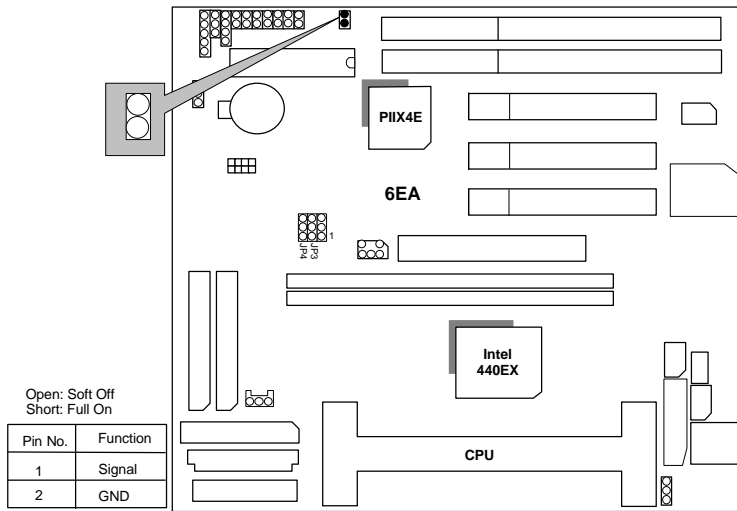
USB : USB Port



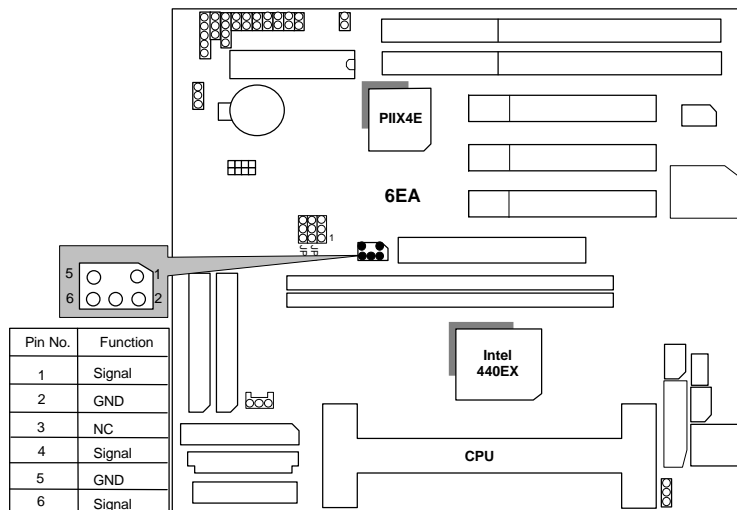
Wake on Lan (for ATX Power Supply only)



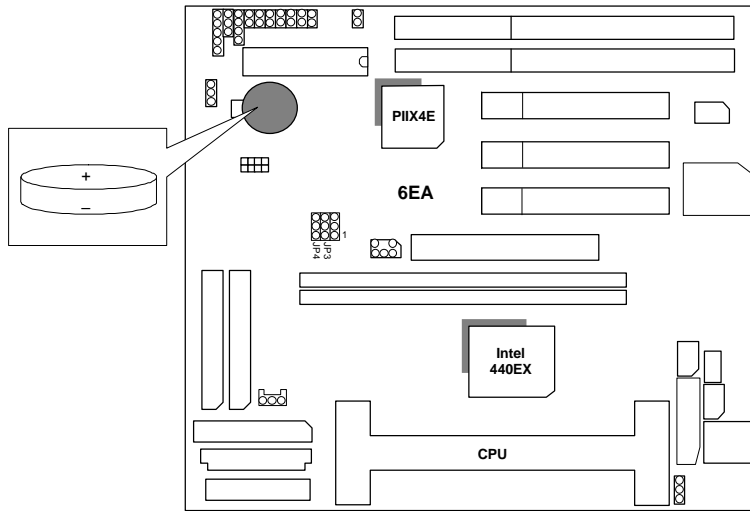
J10 : ATX Power Control Selection



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



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 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 Pentium® II processor
- DRAM (32x 2) MB SDRAM (LGS GM72V661641CT7J)
- CACHE SIZE 512 KB included in CPU
- DISPLAY GA-601 AGP Display Card (4MB SGRAM)
- STORAGE Onboard IDE (Seagate ST36530A)
- O.S. Windows NT™ 4.0
- DRIVER Display Driver at 1024 x 768 x 64K colors x 75Hz.  
TRIONES Bus Master IDE Driver 3.70

Processor	Intel Pentium® II	
	266MHz(66x4)	333MHz(66x5)
<b>Winbench98</b>		
CPU mark32	721	864
FPU Winmark	1380	1720
Business Disk	2100	2140
Hi-End Disk	5260	5420
Business Graphics	159	183
Hi-End Graphics	167	195
<b>Winstone98</b>		
Business	29.4	32.8
Hi-End	31.6	35

