

6ZXC

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" password in CMOS Setup.
 3. **Supports 3 steps ACPI LED.**
 4. **Modem Ring-On. (COM A , B).**
 5. **Wake-Up on LAN. (The ATX power supply supports larger than 720 mA 5V Stand-By current)**
- **JP12 & JP13 Jumper (PCB Ver:2.0 and after use), please reference page 17.**

**For Intel Pentium® II / III/ Celeron™ Processor MAINBOARD
REV. 2.0 First Edition**

R-20-01-090528

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May 28, 1999 Taipei, Taiwan

I. Quick Installation Guide :

CPU SPEED SETUP

The system bus speed is selectable between 66 / 100 MHz. The user can select the system bus speed (**SW1**) and change the DIP SWITCH (**SW2**) selection to set up the CPU speed for 333 - 650MHz processor.

Set System Bus Speed

SW1:

CPU	AGP	1	2	3	4
100 MHz	66 MHz	X	X	X	X
133 MHz	89 MHz	X	X	O	X
112 MHz	75 MHz	X	O	X	X
66 MHz	66 MHz	O	X	X	O
75 MHz	75 MHz	O	O	X	O
83 MHz	83 MHz	O	X	O	O

The CPU speed **MUST** match with the frequency **RATIO**. It will cause system hanging up if the frequency **RATIO** is higher than that of CPU.

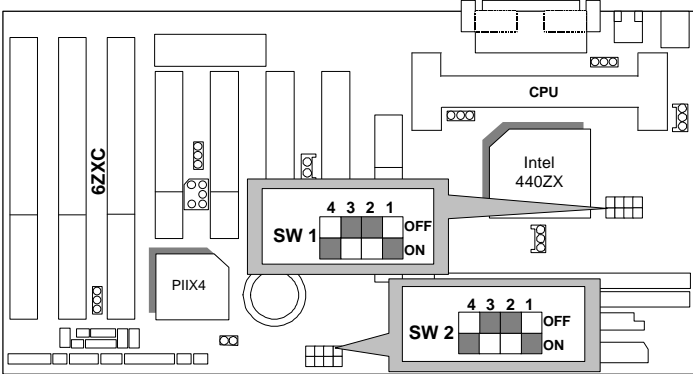
SW2:

FREQ. RATIO	DIP SWITCH (SW)			
	1	2	3	4
X 3	O	X	O	O
X 3.5	X	X	O	O
X 4	O	O	X	O
X 4.5	X	O	X	O
X 5	O	X	X	O
X 5.5	X	X	X	O
X 6	O	O	O	X
X 6.5	X	O	O	X
X 7	O	X	O	X
X 7.5	X	X	O	X
X 8	O	O	X	X
X 8.5	X	O	X	X
X 9	O	X	X	X
X 9.5	X	X	X	X

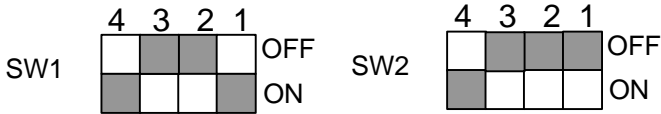
★ **Note:** We don't recommend you to setup your system speed to 75, 83, 112 or 133MHz because these frequencies are not the standard specifications for CPU, Chipset and most of the peripherals. Whether your system can run under 75, 83, 112 or 133MHz properly will depend on your hardware configurations: CPU, SDRAM, Cards, etc.

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

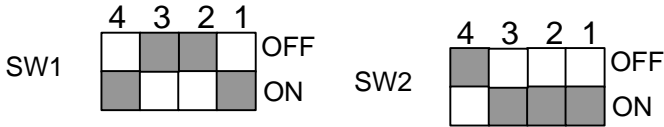
1. Pentium® II /Celeron 333 / 66 MHz FSB



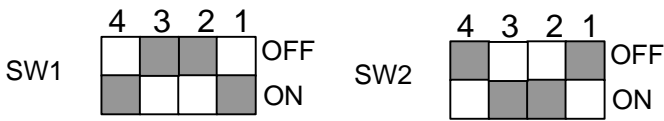
2. Pentium® II /Celeron 366 / 66 MHz FSB



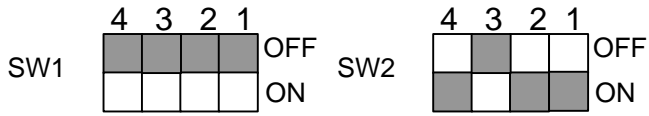
3. Pentium® II /Celeron 400 / 66MHz FSB



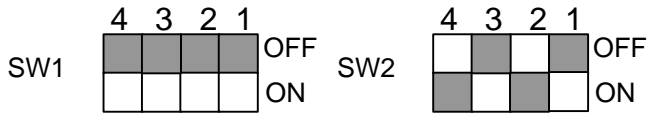
4. Pentium® II /Celeron 433 / 66MHz FSB



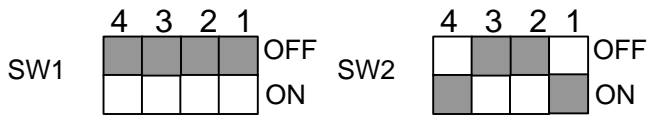
5. Pentium® II 400 / 100 MHz FSB



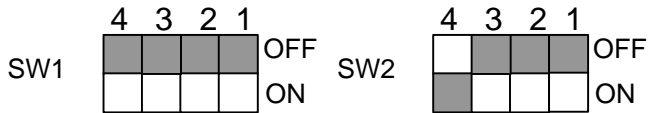
6. Pentium® II / III 450 / 100 MHz FSB



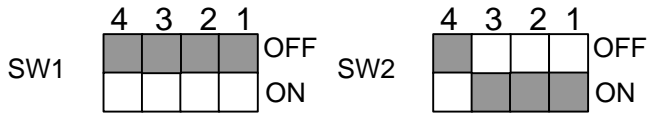
7. Pentium® II / III 500 / 100 MHz FSB



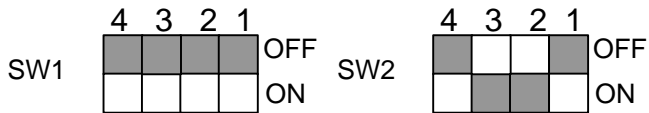
8. Pentium® II / III 550 / 100 MHz FSB



9. Pentium® II / III 600 / 100 MHz FSB

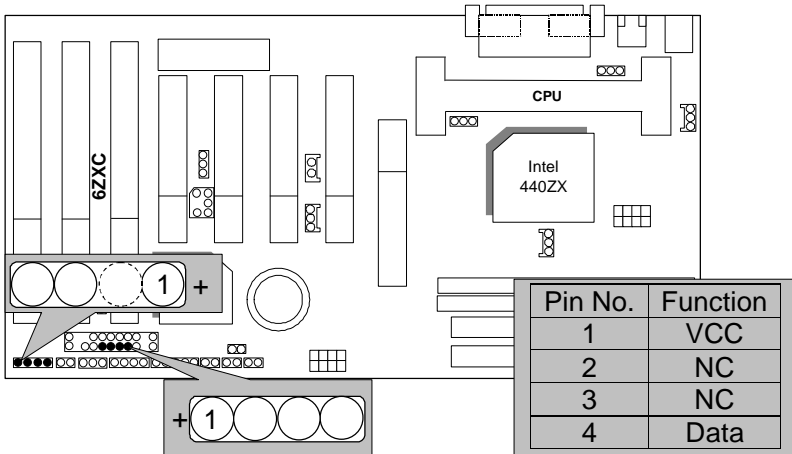


10. Pentium® II / III 650 / 100 MHz FSB

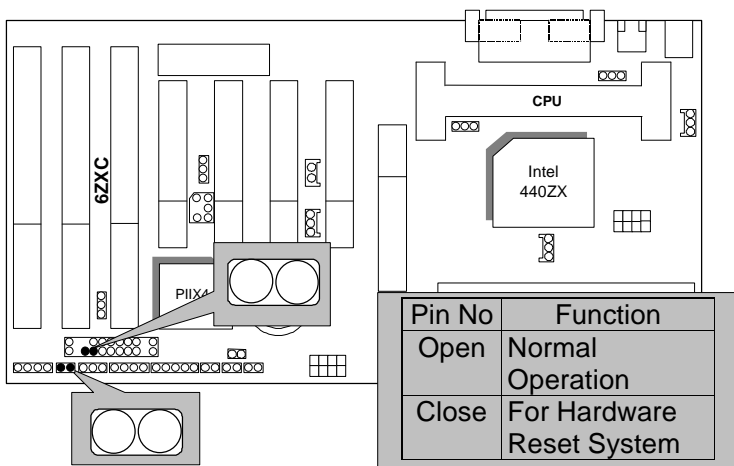


II. Jumper setting :

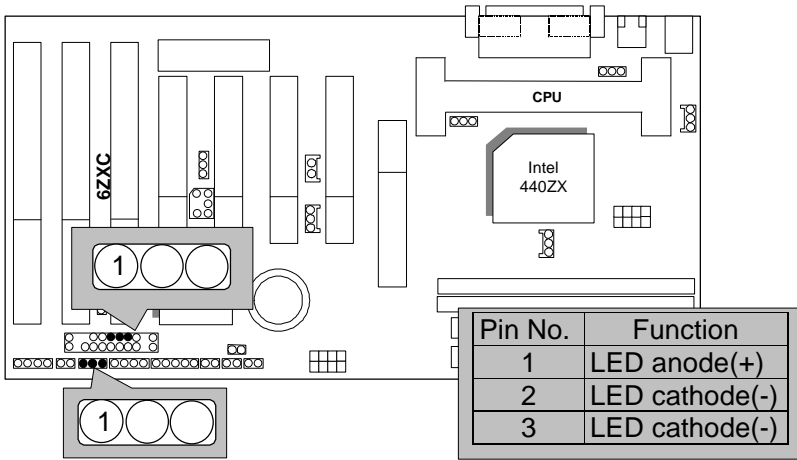
SPK : Speaker Connector



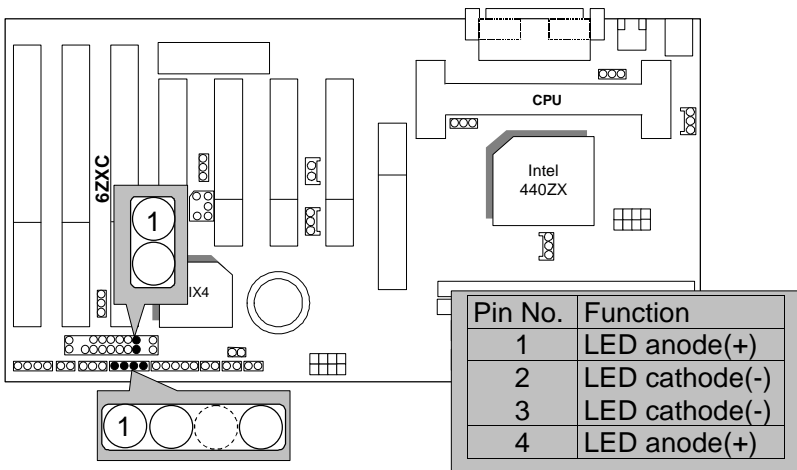
RST : Reset Switch



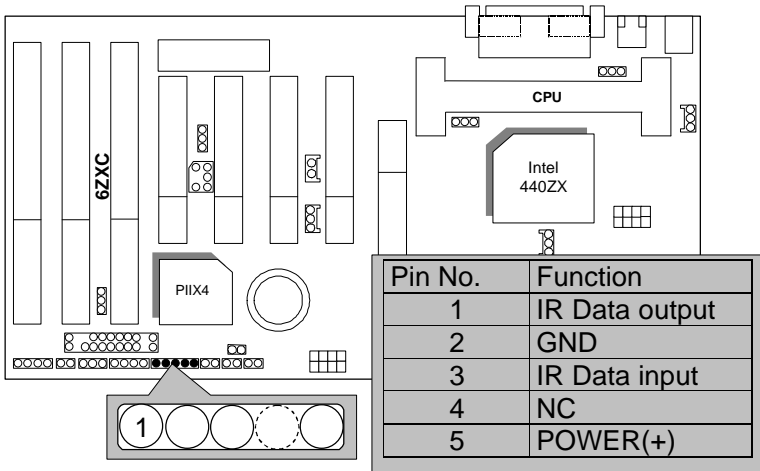
PW LED : Power LED Connector



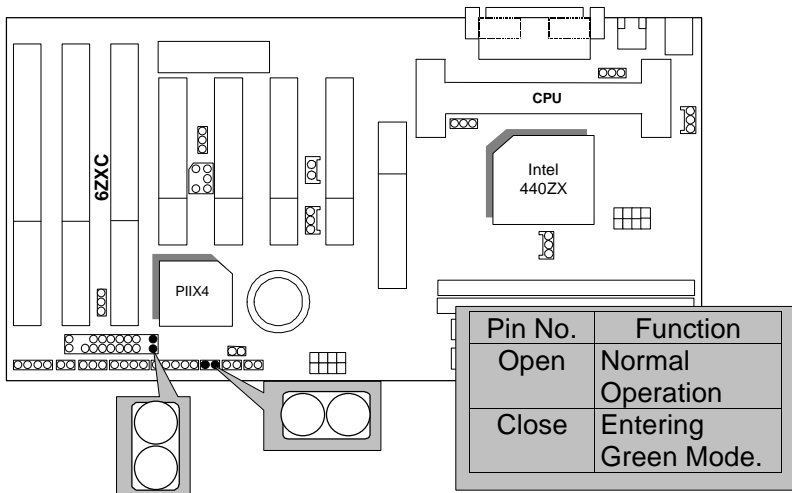
HD : IDE Hard Disk Active LED



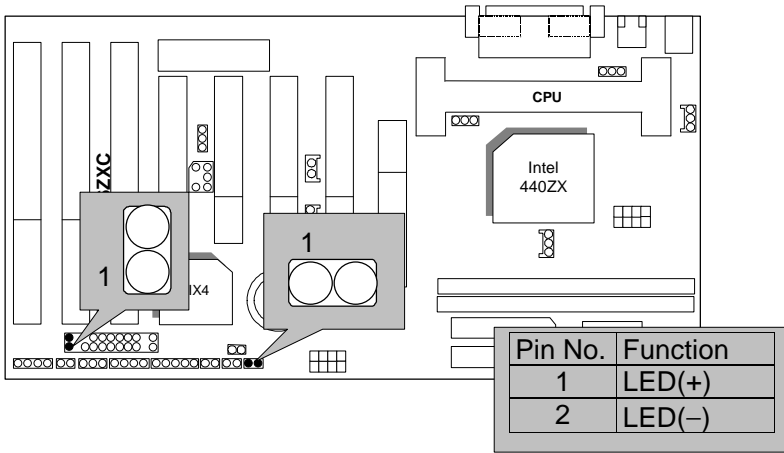
IR : Infrared Connector (Optional)



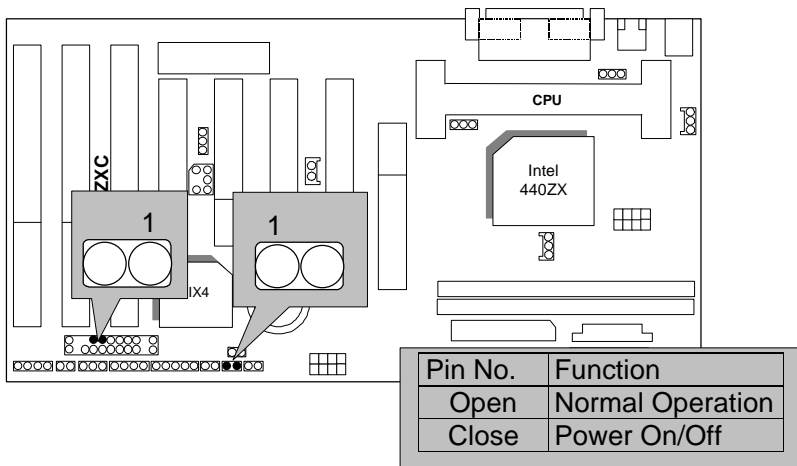
GN : Green Function Switch



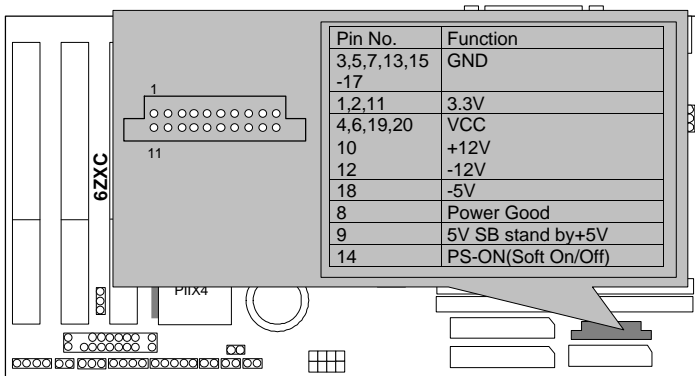
GD : Green LED



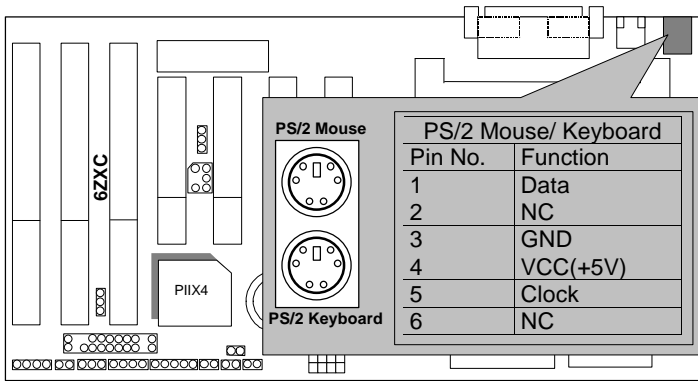
Soft POWER : Soft Power Connector



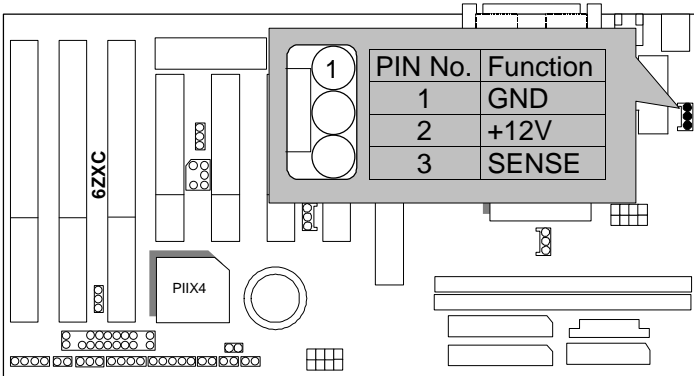
POWER1 : Power Connector



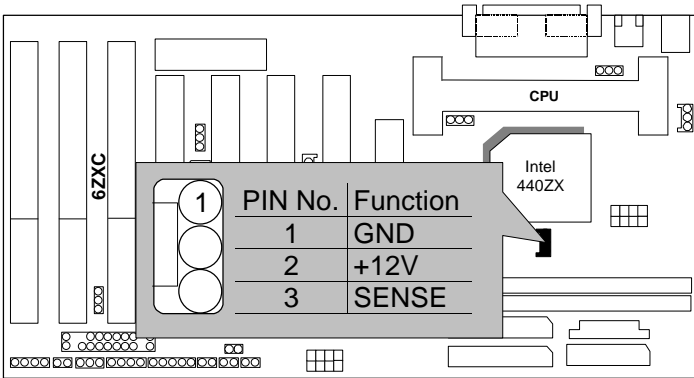
PS/2 Mouse / Keyboard Connector



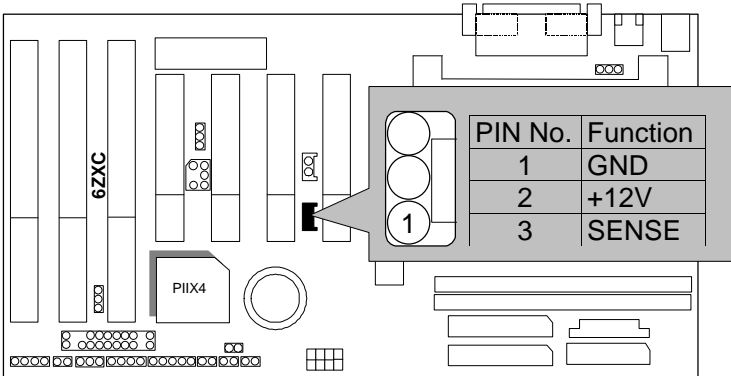
CPU FAN : CPU Cooling Fan Power Connector



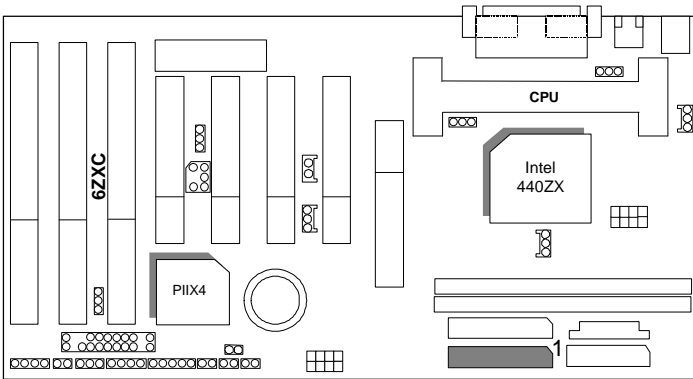
Power FAN : Power Fan Power Connector



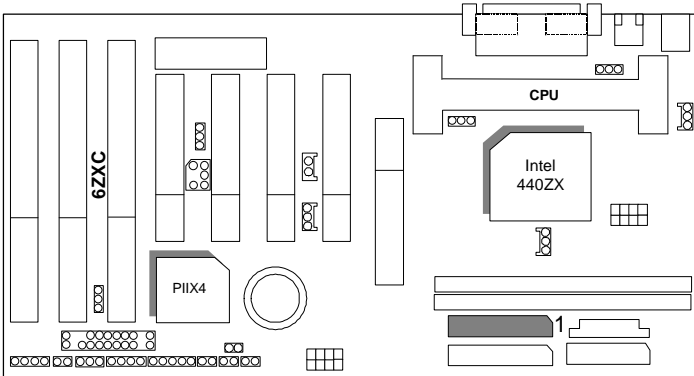
System FAN : System Fan Power Connector



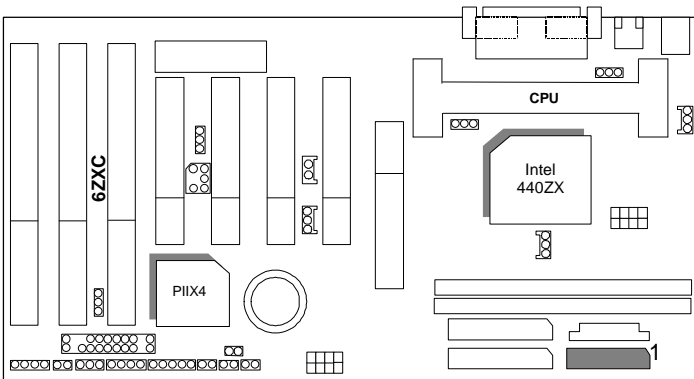
IDE1: For Primary IDE port



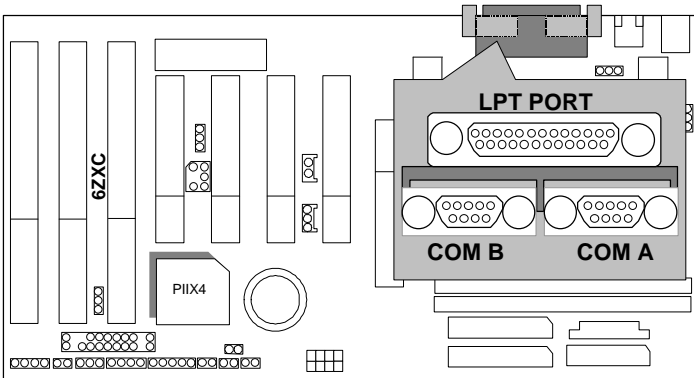
IDE2: For Secondary IDE port



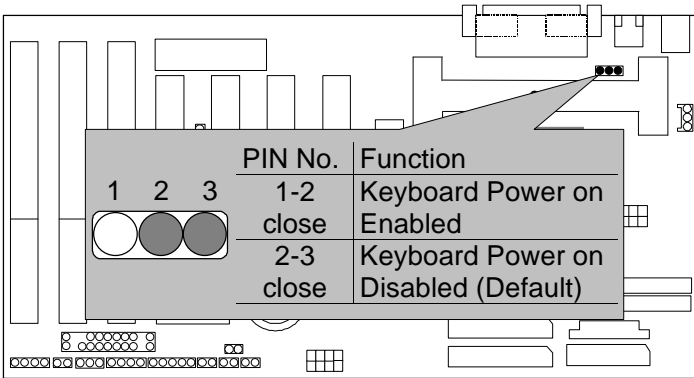
FLOPPY : FLOPPY PORT



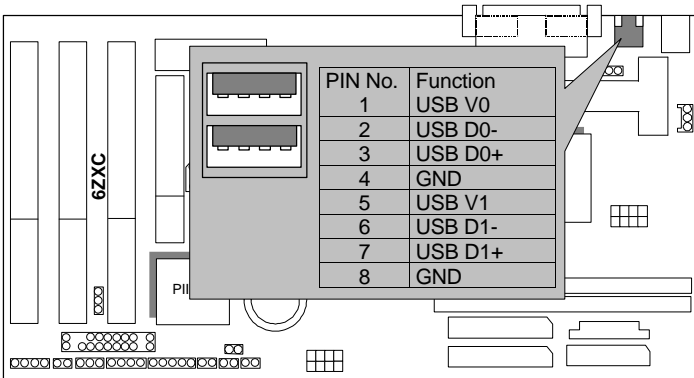
LPT PORT / COM A / COM B



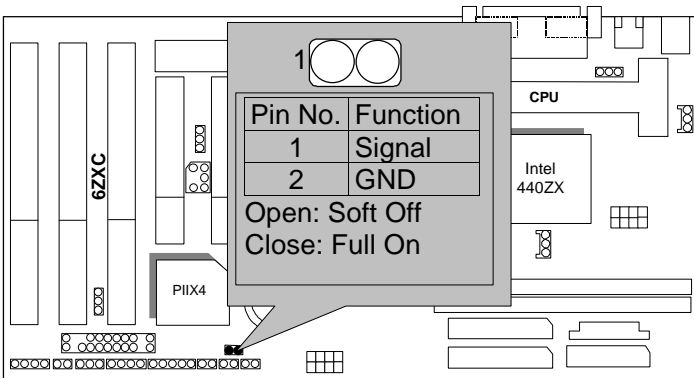
JP1 : Keyboard Power On Selection



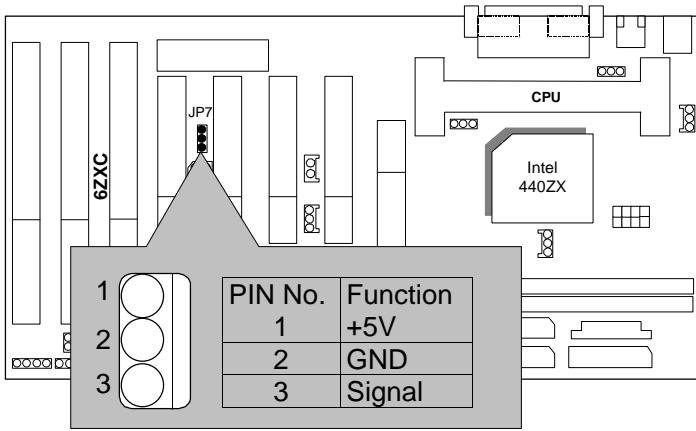
USB : USB Port



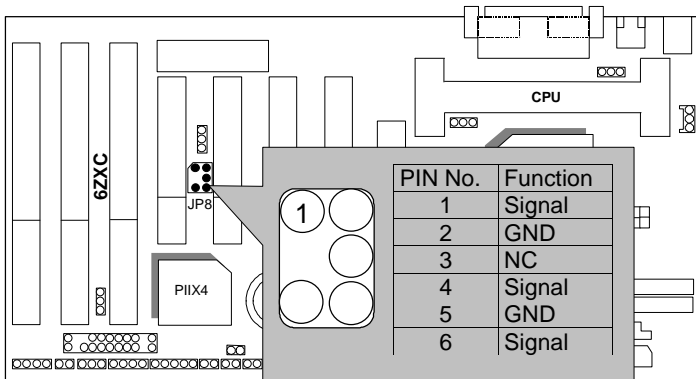
J15: System After AC Back



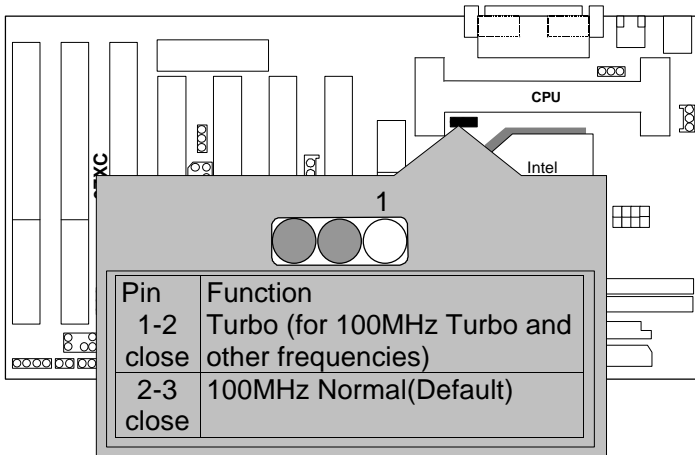
JP7: Wake On LAN



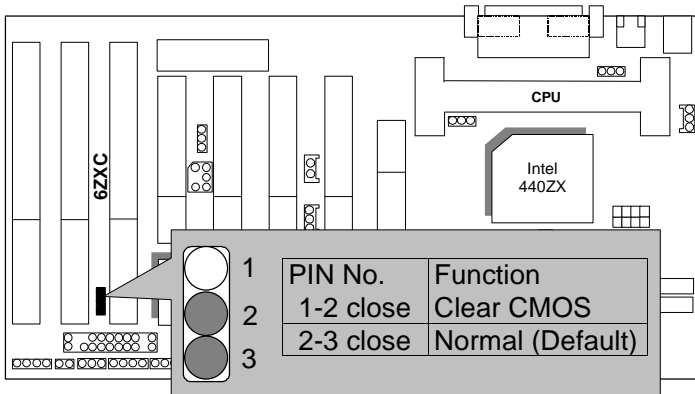
JP8:SB-LINK Creative PCI Sound Card Support



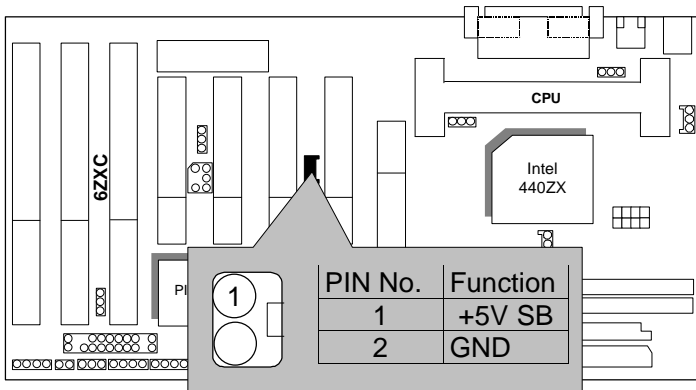
JP10 : System Acceleration



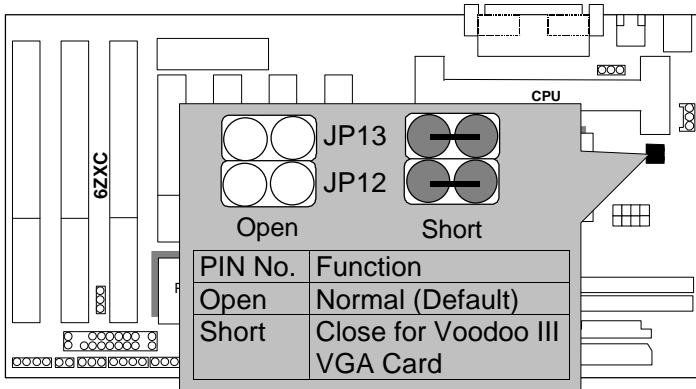
JP11: CLEAR CMOS FUNCTION



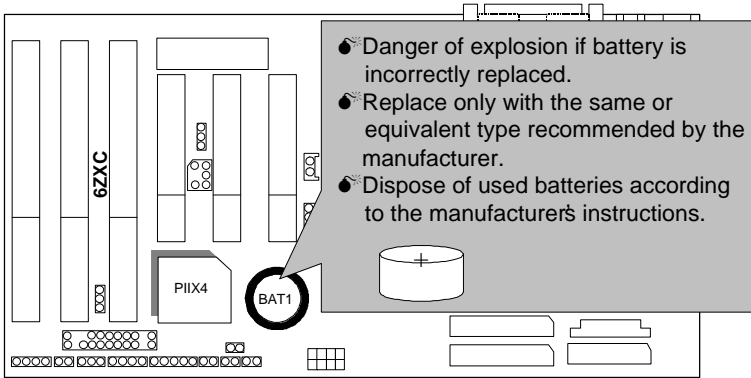
Internal Ring Power On FUNCTION



JP12 / JP13 (PCB 2.0 and after version use)



BAT1 :BATTERY



III. Top Performance Test Setting:

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

```

ROM PCI/ISA BIOS (2A69KG0C)
CHIPSET FEATURES SETUP
AWARD SOFTWARE, INC.

EDO CAS# Wait State      : 1
EDO RAS# Wait State     : 1
SDRAM CAS Latency Time  : 2
System BIOS Cacheable   : Enabled
Video BIOS Cacheable    : Enabled
Video RAM Cacheable     : Disabled
16 Bit I/O Recovery Time : 1
Memory Hole At 15M-16M  : Disabled
Delayed Transaction     : Disabled
Spread Spectrum         : Disabled

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

Users have to modify the value for each item in chipset features as follow for top performance setting.

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

- CPU Pentium® III / Celeron Processor
- DRAM 128 MB SDRAM (TOSHIBA TC59S6408BFT-80)
- CACHE SIZE 512 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 64K colors x 75Hz.
TRIONES Bus Master IDE Driver 3.60

Processor	Celeron	Pentium®III
	366MHz(66x5.5)	550MHz(100x5.5)
Winbench99		
CPU mark32	731	1380
FPU Winmark	1970	2800
Business Disk	4180	4590
Hi-End Disk	10200	10600
Business Graphics	177	248
Hi-End Graphics	335	440
Winstone99		
Business	27.1	34.7
Hi-End	24.4	32.9

