

6ZX7

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 (depends 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. Support 3 steps ACPI LED selectable.**
- 4. Support Modem Ring-On. (Include internal Modem and external modem on COM A and COM B)**
- 5. Support Wake-up On LAN. (Your ATX power supply must support larger than 720 mA 5V Stand-By current)**

Celeron™ Socket 370 Processor MAINBOARD

REV. 1.4 First Edition

R-14-01-090729

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July 29, 1999 Taipei, Taiwan

I. Quick Installation Guide :

The system bus speed can be set for 66/100 MHz. The user can select the system bus speed (**SW2**) and change the DIP SWITCH (**SW1**) 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.**

SW1: (O:ON / X:OFF)

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

Set System Bus Speed

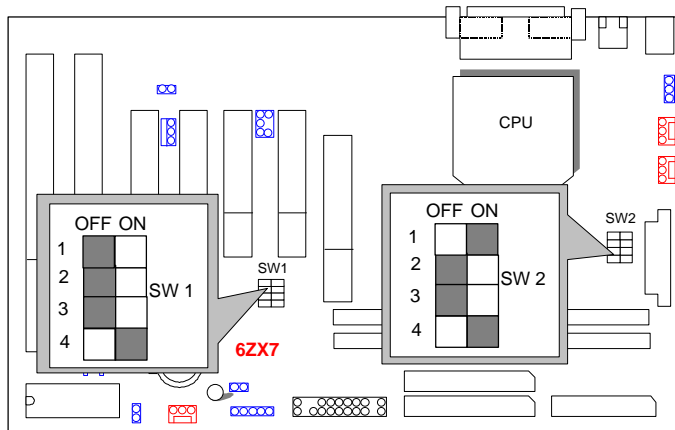
SW2: (O:ON / X:OFF)

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

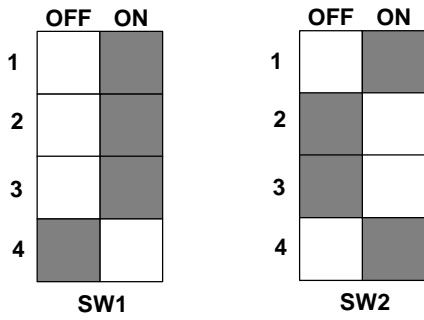
★ **Note:** We don't recommend you to set up your system speed to 75,83,100,112 or 133MHz because these frequencies are not the standard specifications for CPU, Chipset and most of the peripherals. Whether your system can run under 75,83,100,112 or 133MHz properly will depend on your hardware configurations: CPU, SDRAM, Cards, etc.

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

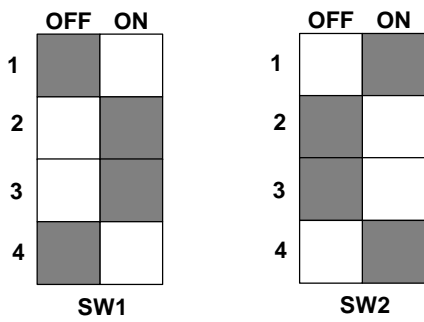
1. Celeron™ 366/ 66 MHz FSB



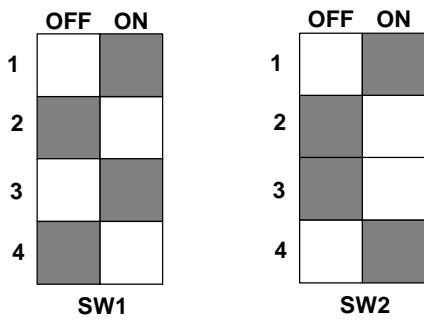
2. Celeron™ 400/ 66 MHz FSB



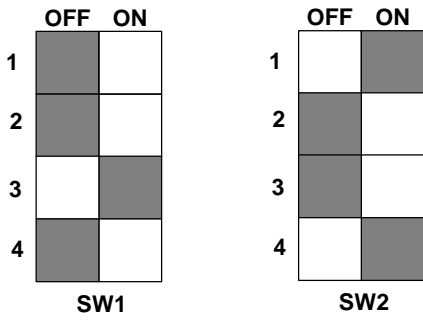
3. Celeron™ 433/ 66 MHz FSB



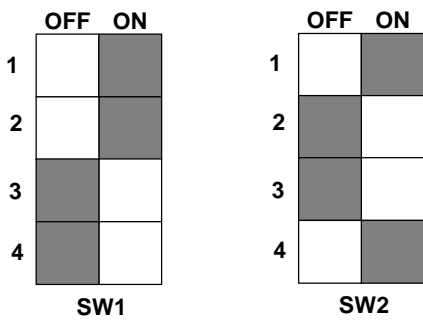
4. Celeron™ 466/ 66 MHz FSB



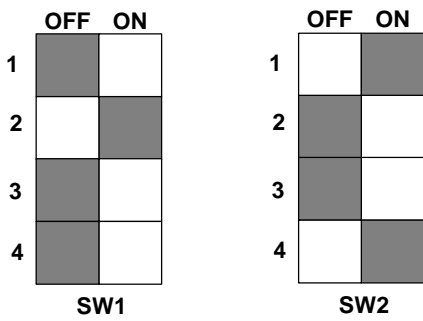
5. Celeron™ 500/ 66 MHz FSB



6. Celeron™ 533/ 66 MHz FSB

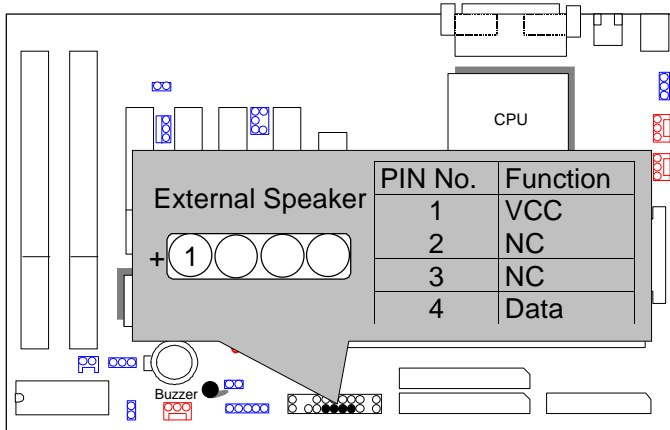


7. Celeron™ 566/ 66 MHz FSB

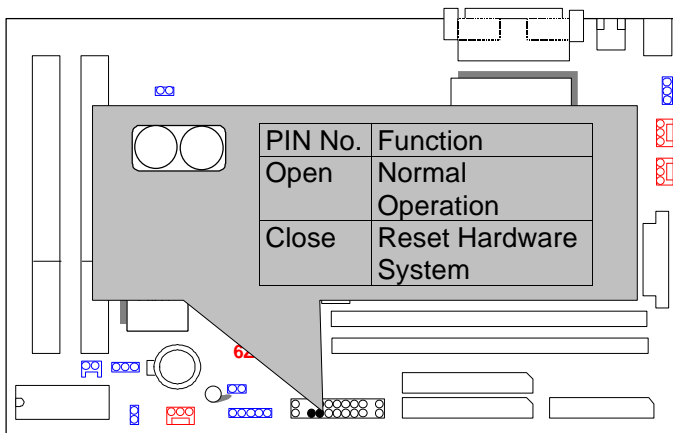


II. Jumper setting :

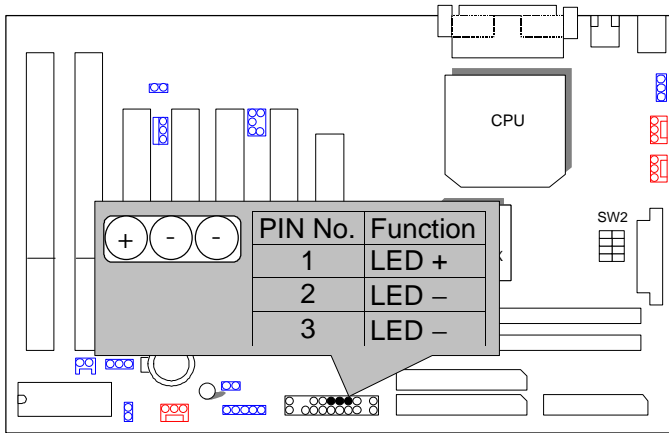
SPK : Speaker Connector



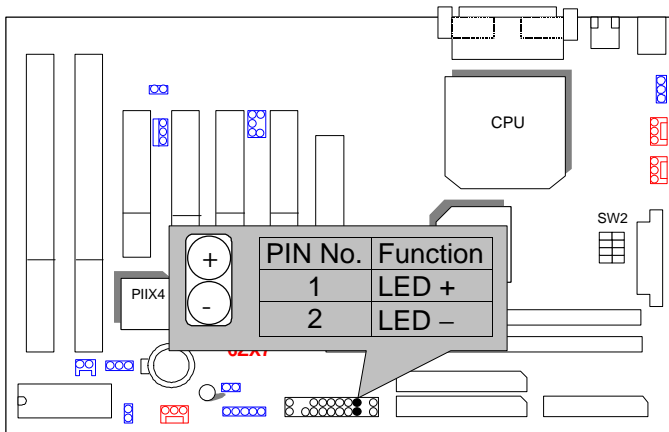
RST : Reset Switch



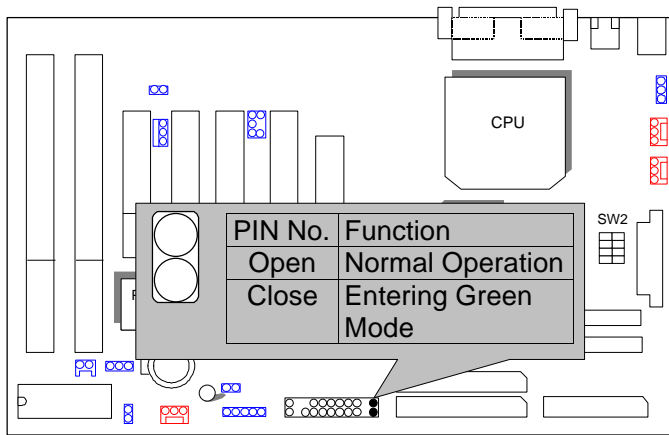
PW LED : Power LED Connector



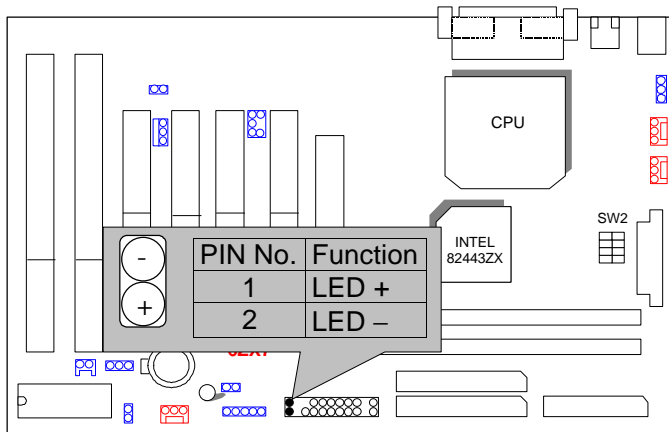
HD : IDE Hard Disk Active LED



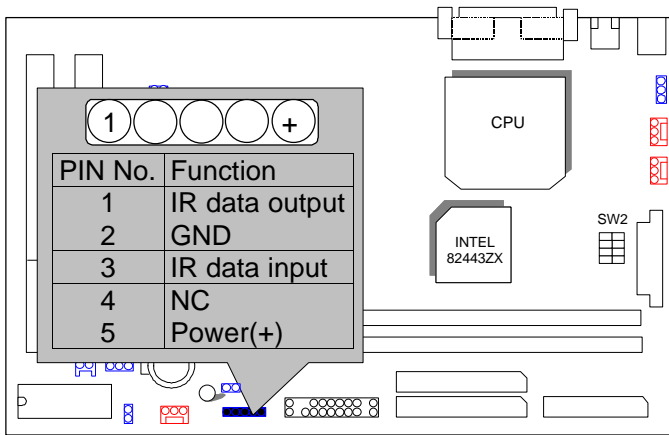
GN : Green Function Switch



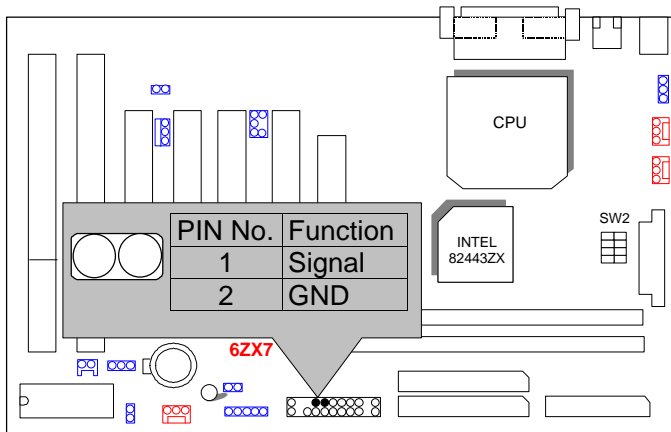
GD : Green LED



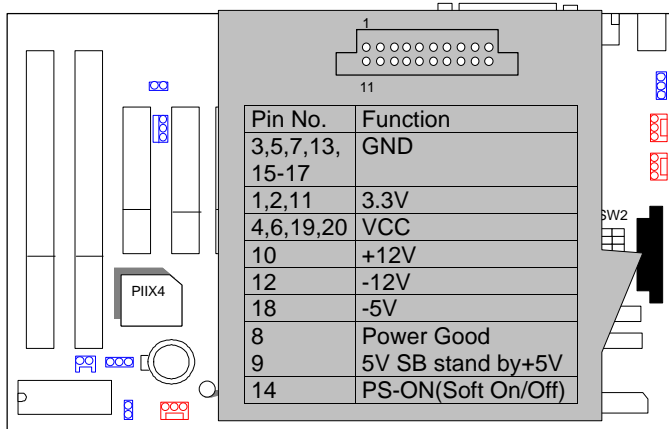
IR : Infrared Connector (Optional)



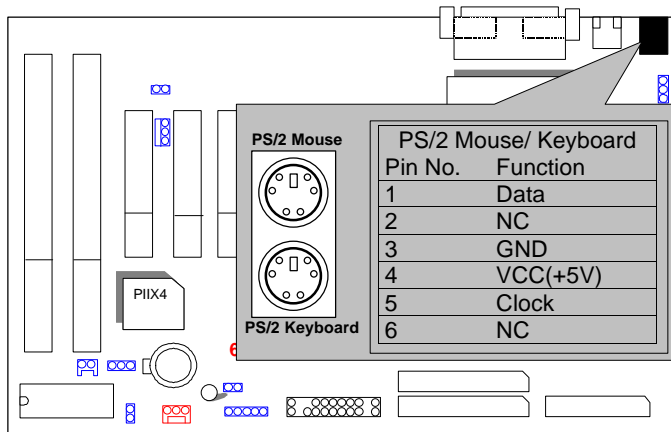
Soft POWER : Soft Power Connector



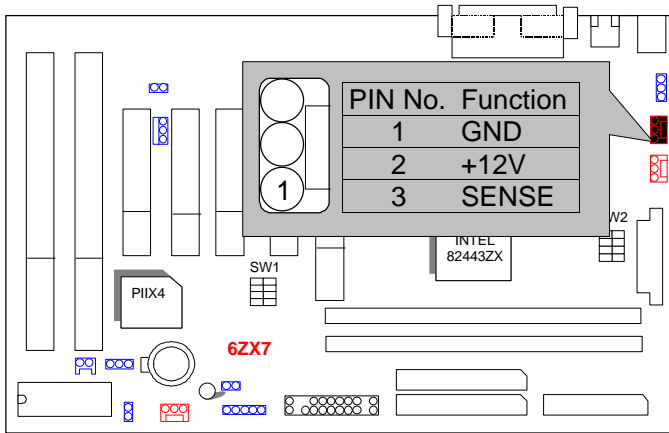
ATX POWER : ATX Power Connector



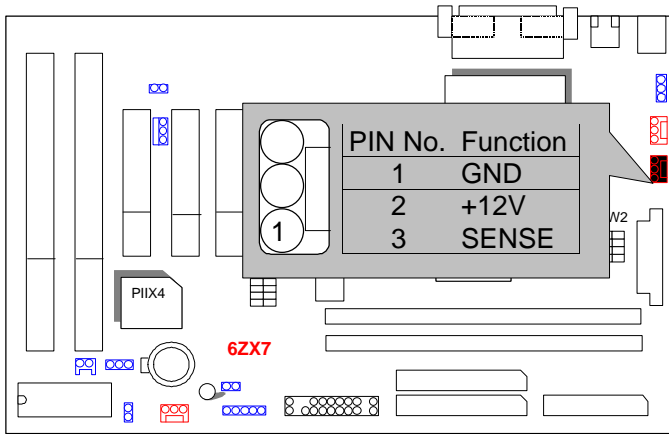
PS/2 Mouse / Keyboard Connector



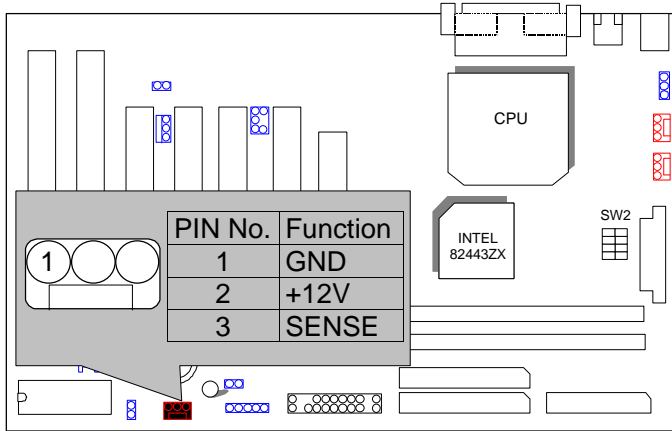
CPU FAN : CPU FAN Connector



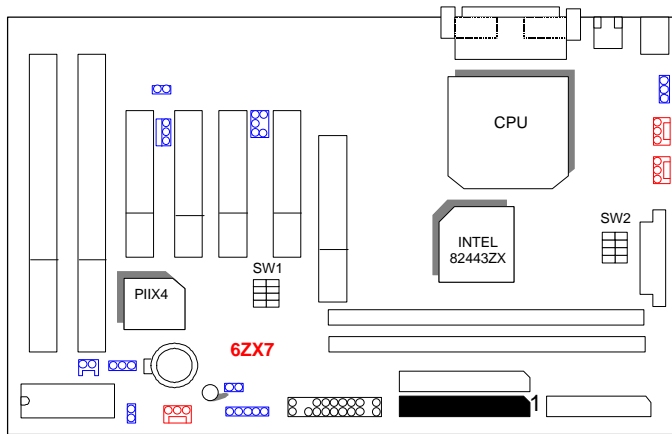
PWR FAN : Power FAN Connector



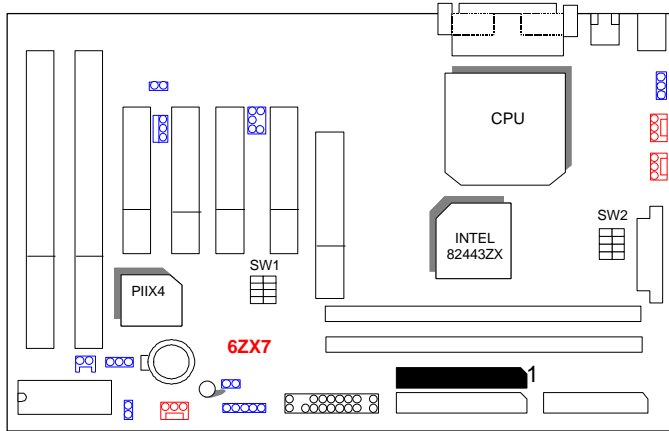
SYSTEM FAN : System FAN Connector



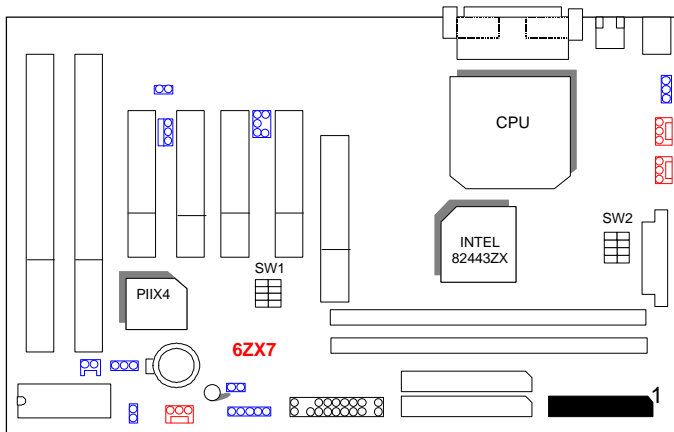
IDE1: For Primary IDE port



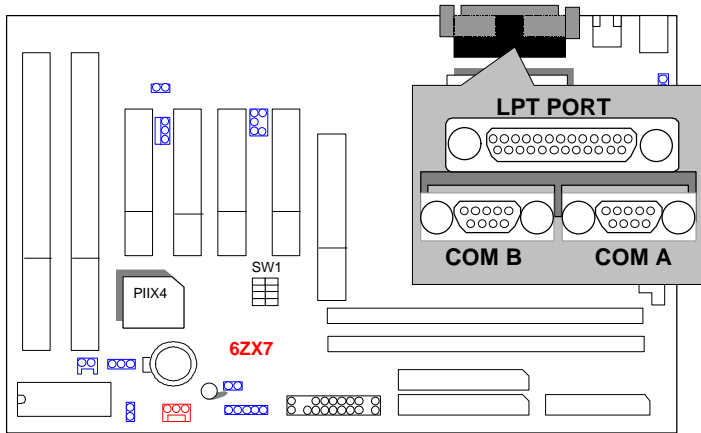
IDE2: For Secondary IDE port



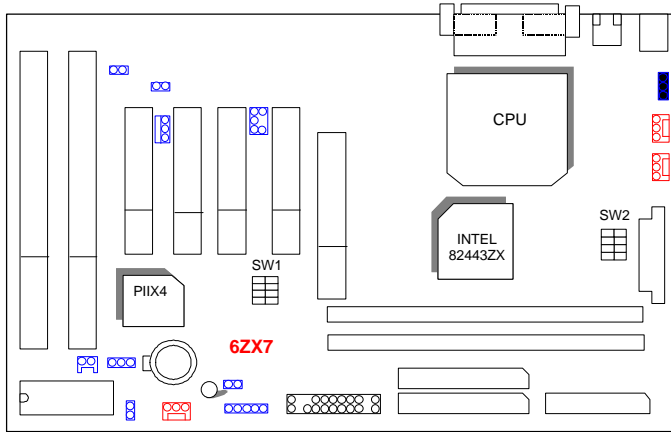
FLOPPY : FLOPPY PORT



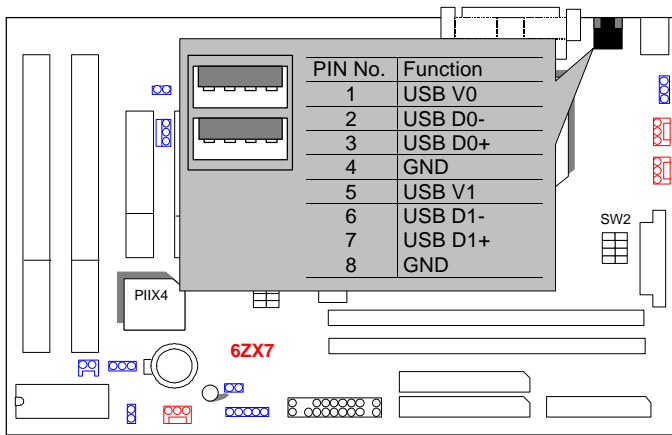
LPT PORT / COM A / COM B



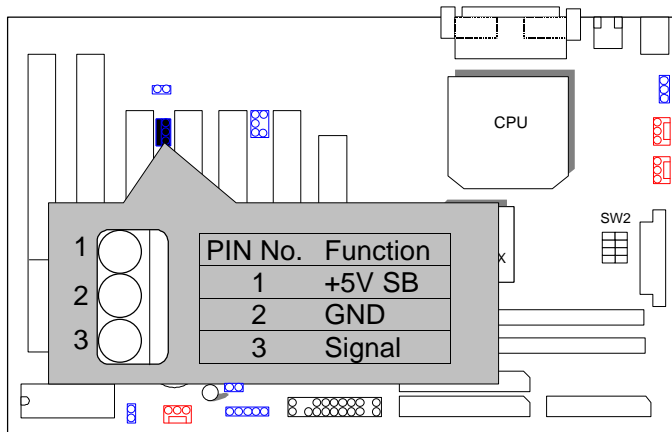
JP1 : Keyboard Power On Selection



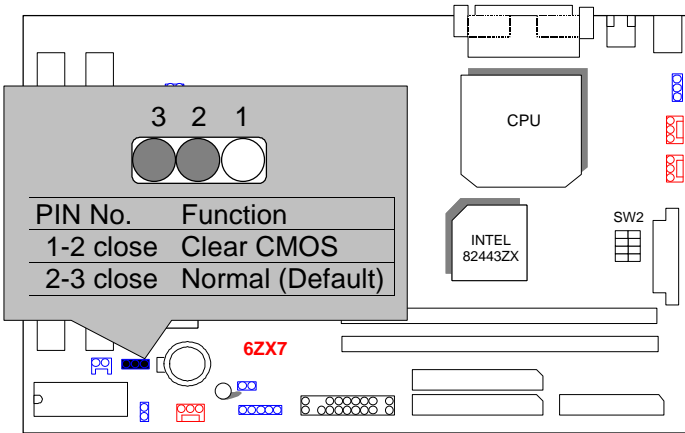
USB : USB Port



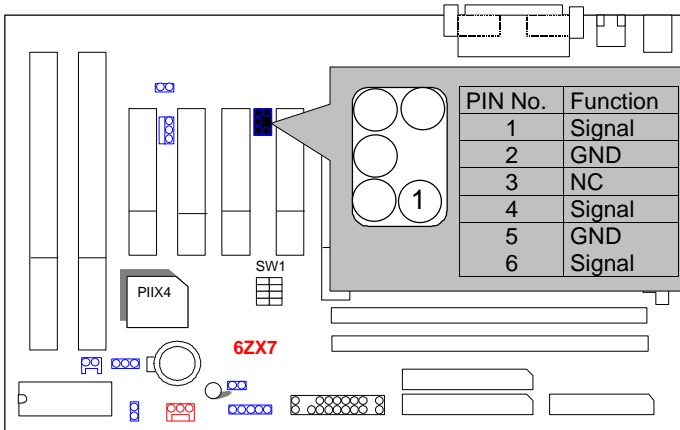
JP7: Wake On LAN



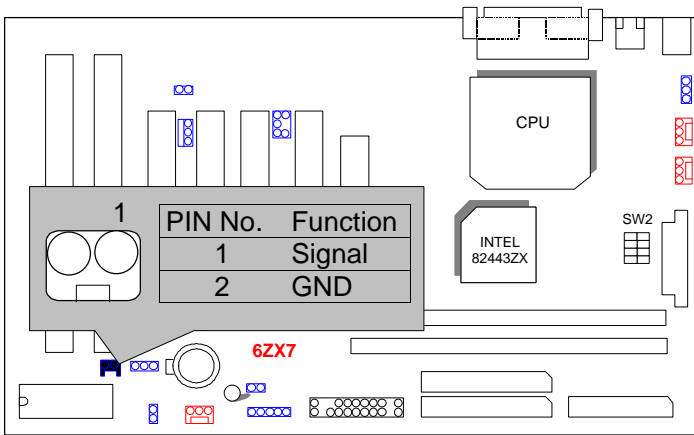
JP9 : CLEAR CMOS FUNCTION



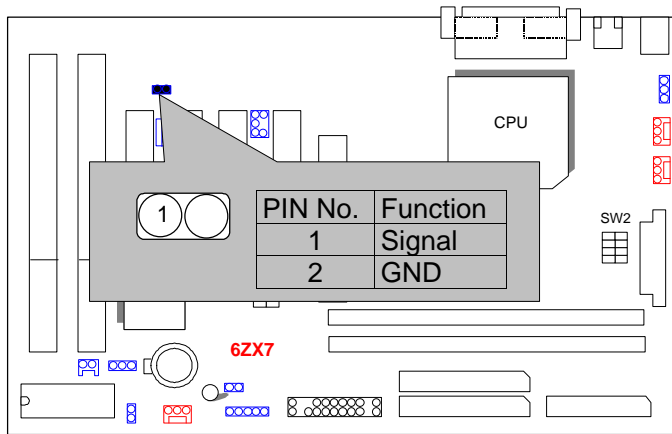
J14 :SB-LINK



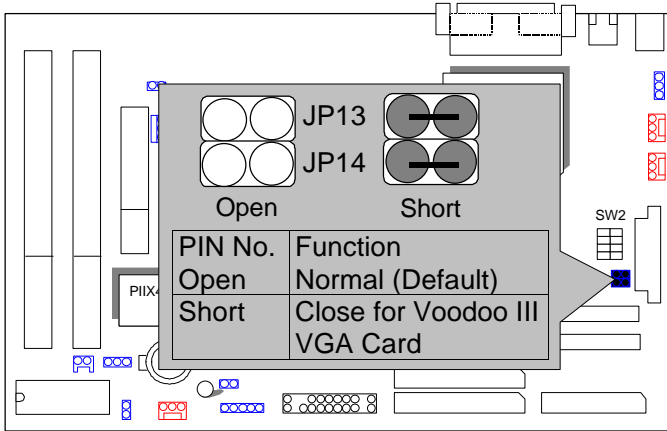
J16: Internal Modem Ring On



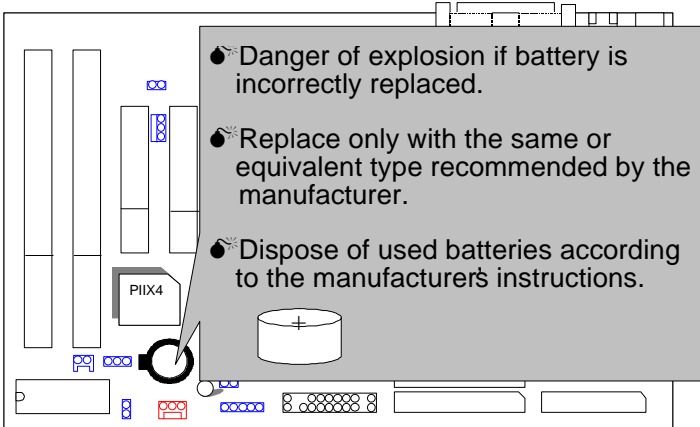
JP10 : CASE OPEN



JP13/ JP14 : Close for Voodoo III



BAT1 :Battery



III. Top Performance Test Setting:

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.

```

ROM PCI/ISA BIOS (2A69K00F)
CHIPSET FEATURES SETUP
AWARD SOFTWARE, INC.

EDO CAS# MA Wait State      : 1      Reset Case Open Status    : No
EDO RAS# Wait State         : 1      Case Opened                : No
SDRAM CAS Latency Time     : 2
DRAM Data Integrity Mode   : Non-ECC
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

Slow Down CPU Duty Cycle   : Normal
Shutdown Temp.(°C/°F)     : 75°C/167°F

**Temp. Select (°C/°F)**
CPU : 70°C/158°F

**Temperature Alarm**
CPU : No

**Fan Fail Alarm**
CPU : No      POWER : No      SYS : No

** Current Temp.(°C/°F)**
CPU : 33/91

** Current Fan Speed (RPM)**
CPU:5443     POWER : 0      SYS: 0

** Current Voltage (V) **
UCORE : 2.05  VGTL : 1.52  UCC3:3.35
+ 5U: 5.08   +12U: 12.52 -12U:-11.86
- 5U:- 5.09  VBAT: 3.26   5USB:5.05

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

```

Please modify each value of items If your system does not work properly .

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

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 Intel® Celeron™ Socket 370 processor
- DRAM (128x 1) MB SDRAM (TOSHIBA TC59S6408BFT-80)
- CACHE SIZE 128 KB included in CPU
- DISPLAY GA-630 AGP Display Card (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 Drivers 3.60

Processor	Intel® Celeron™ (Socket 370)	
	366MHz (66x5.5)	450MHz (100x4.5)
Winbench99		
CPU mark32	723	964
FPU Winmark32	1970	2410
Business Disk	4260	4510
Hi-End Disk	10300	10500
Business Graphics	176	222
Hi-End Graphics	330	409
Winstone99		
Business	26.8	31.5
Hi-End	24.4	29