

6BXD

USER'S MANUAL

- 1. System power on by PS/2 Mouse:** If you are using ATX power supply, you are able to 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 on COM B.**
- 4. Wake-Up on LAN.** (The ATX power supply supports larger than 600 mA)
- 5. Support 3 steps ACPI LED selectable.**

Pentium® II Processor MAINBOARD

REV. 1 First Edition

R-01-01-080514

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.

Third-party brands and names are the property of their respective owners.

Sound Blaster is a registered trademark of Creative Technology Ltd in the United States and certain other countries. Sound Blaster-LINK and SB-LINK are trademarks of Creative Technology Ltd.

MAY 14, 1998 Taipei, Taiwan

I. Quick Installation Guide :




CPU SPEED SETUP

The system bus speed can be selectable between 66.6MHz and 100MHz. The user can select the system bus speed (JP10) and change the DIP SWITCH (SW) selection to set up the CPU speed for 200 - 633MHz 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)			
	1	2	3	4
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

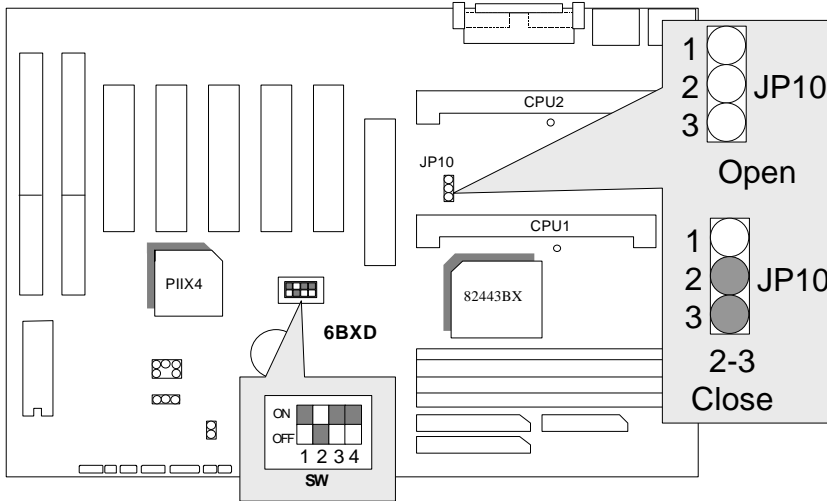
⚠ JP10 (Select the system speed between 66.6MHz and 100MHz)

1-2 Close 	System speed is set to 66MHz - system always run at 66MHz FSB (Front Side Bus).
All Open 	System speed is set to 100MHz - system always run at 100MHz FSB (Front Side Bus).
2-3 Close 	Set system speed to Auto - system speed detect automatically (66 / 100MHz FSB).

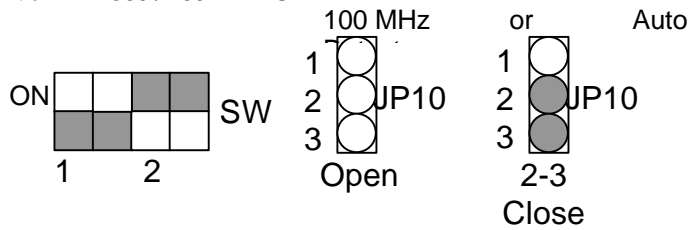
● There are two ways to set system speed

1. 66MHz (JP10) (1-2 short) or Auto detect (2-3 short)
2. 100MHz (JP10) (1-2-3 open) or Auto detect (2-3 short)

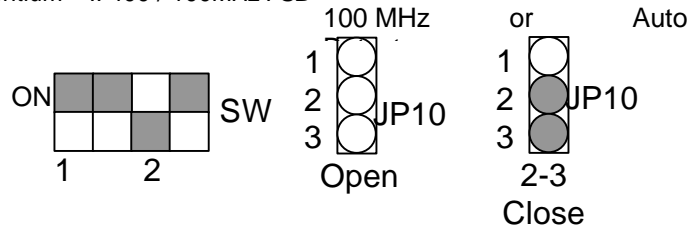
1. Pentium® II 300 / 100MHz FSB



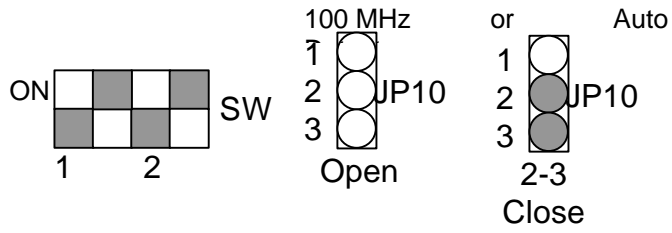
2. Pentium® II 350 / 100MHz FSB



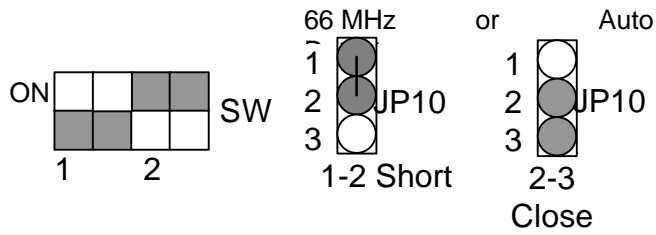
3. Pentium® II 400 / 100MHz FSB



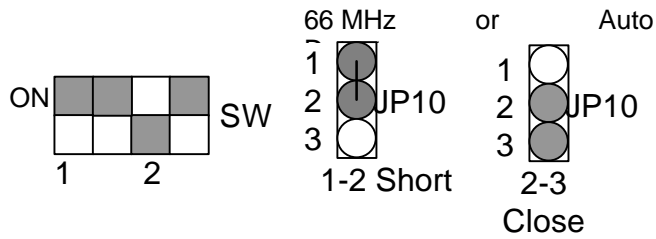
4. Pentium® II 450 / 100MHz FSB



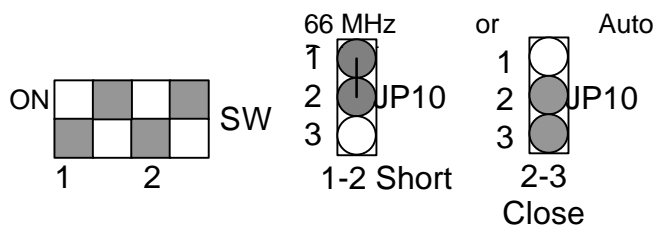
5. Pentium® II 233 MHz / 66MHz FSB



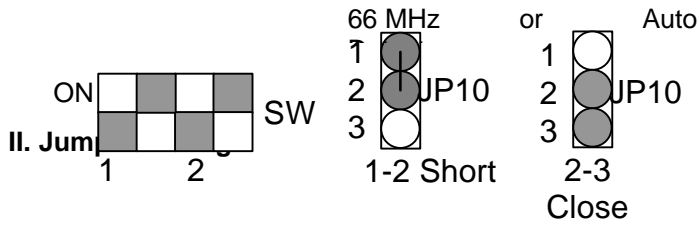
6. Pentium® II 266 / 66MHz FSB



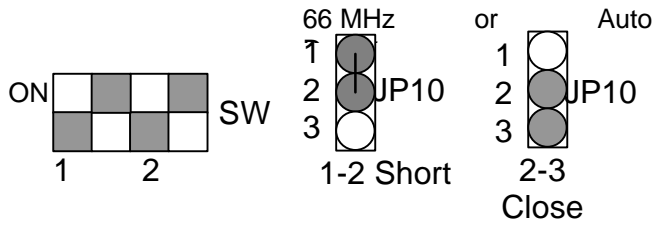
7. Pentium® II 300 MHz / 66MHz FSB



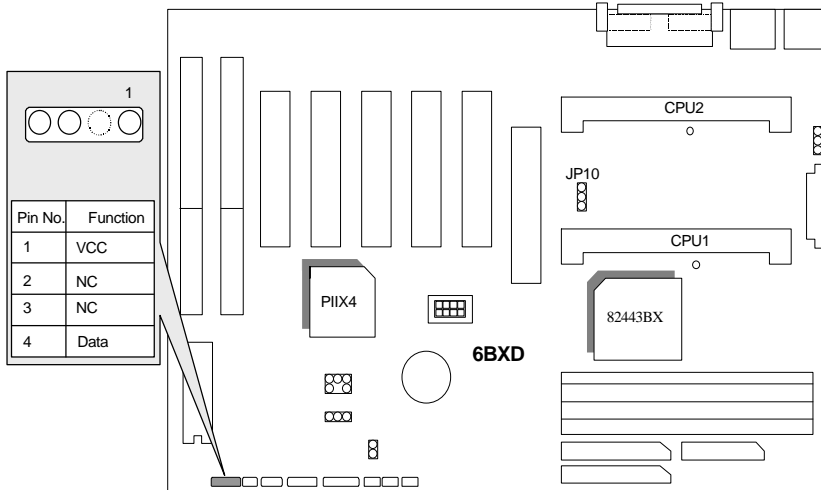
8. Pentium® II 333 / 66MHz FSB



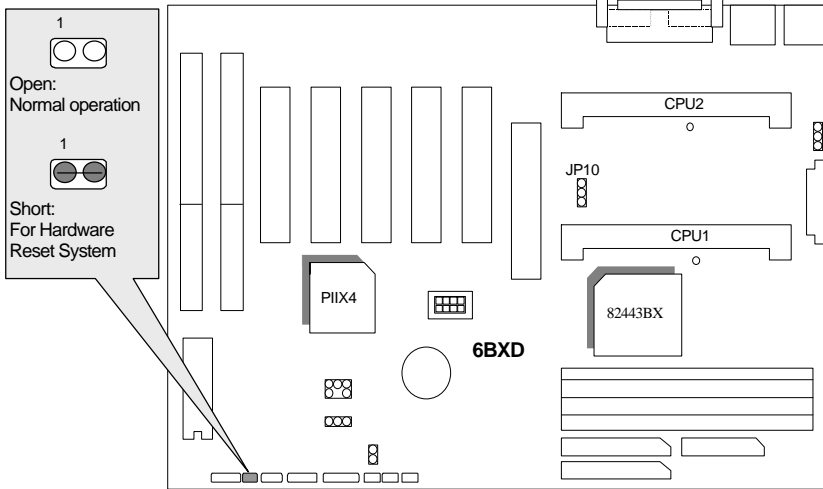
9. Pentium® II 366 / 66MHz FSB



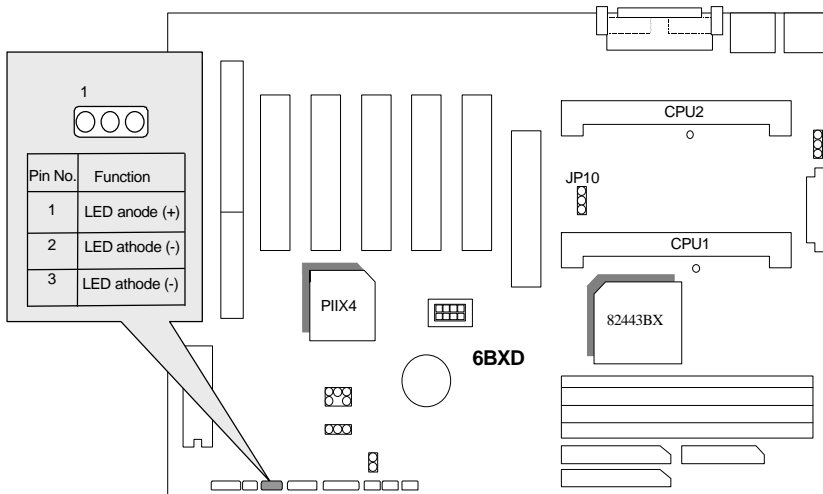
SPK : Speaker Connector



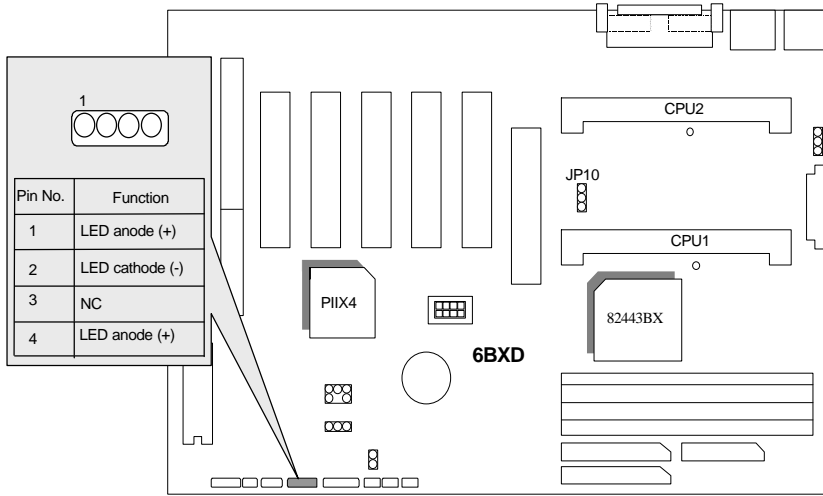
RST : Rest Switch



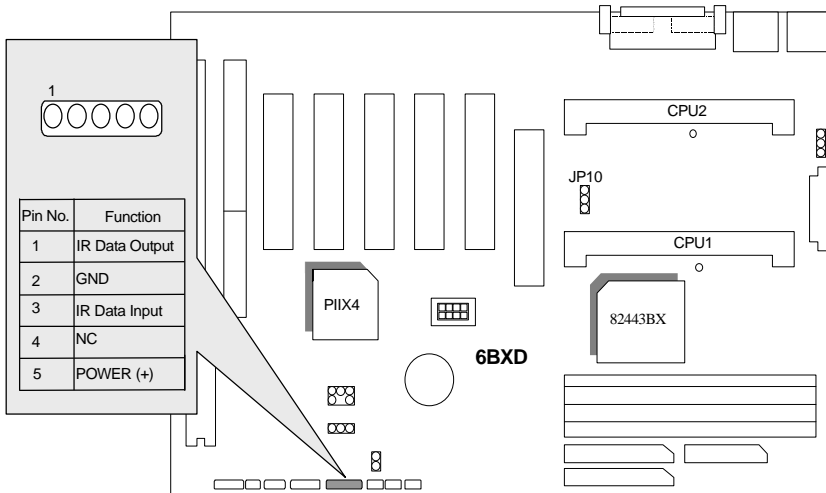
PWR : Power LED



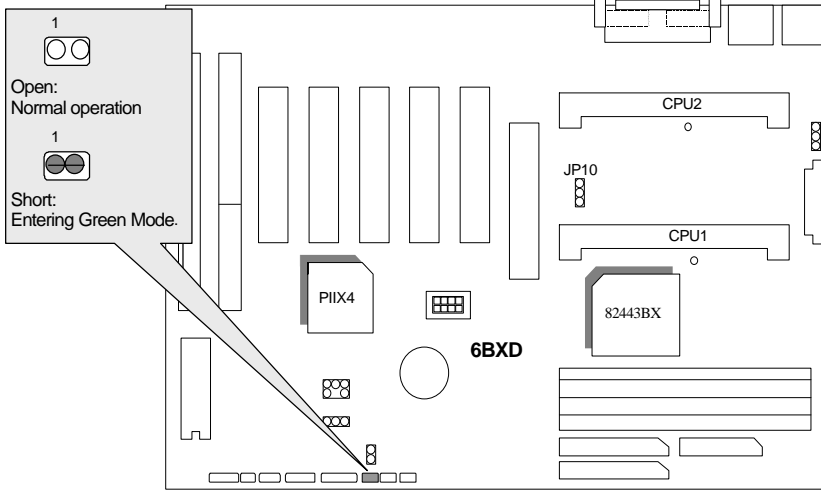
HD : IDE Hard Disk Active LED



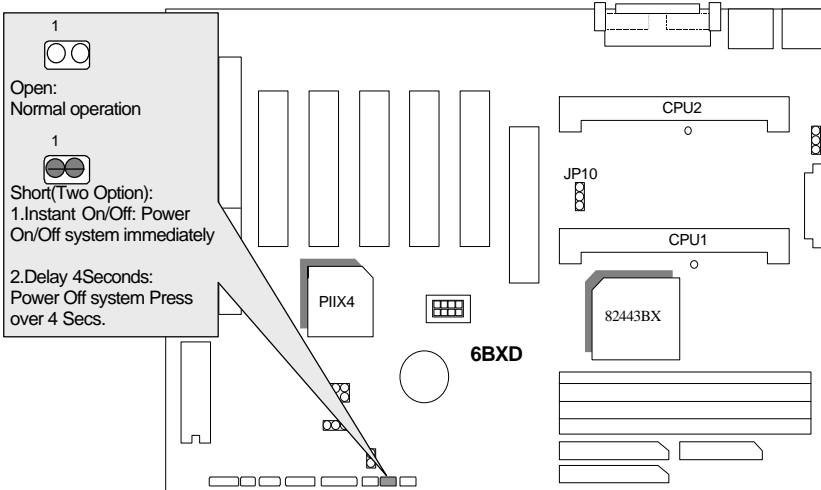
IR : Infrared Connector



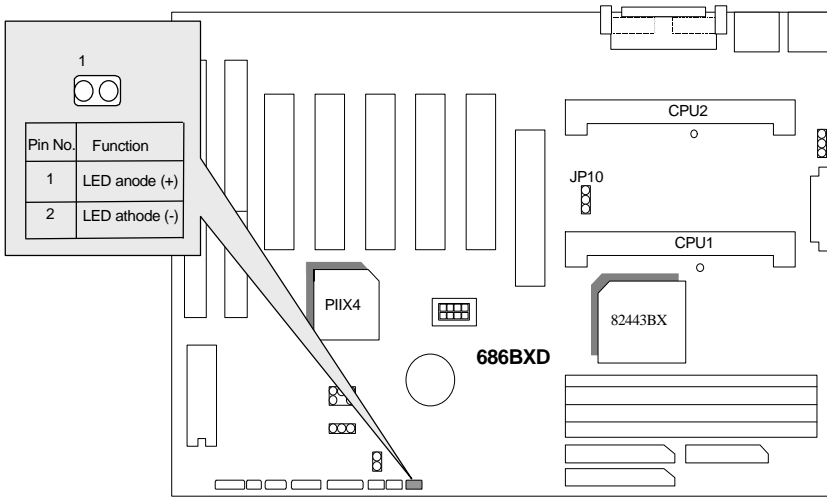
GN : Green Function Switch



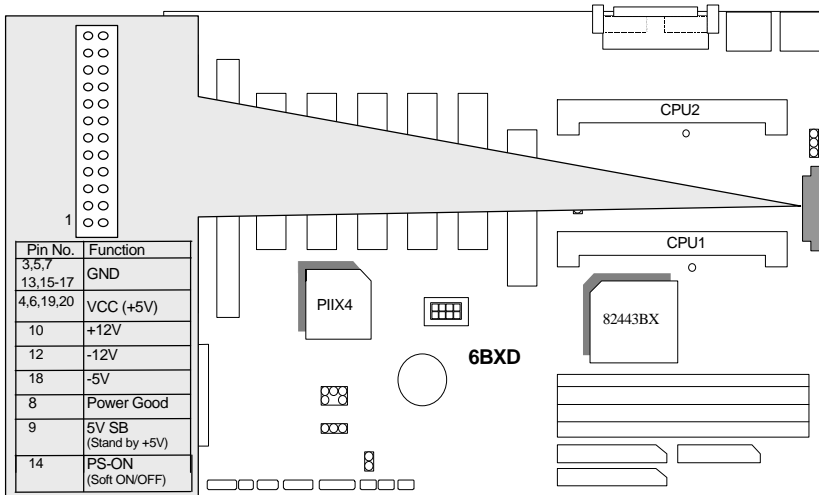
Soft PWR : Soft Power Connector



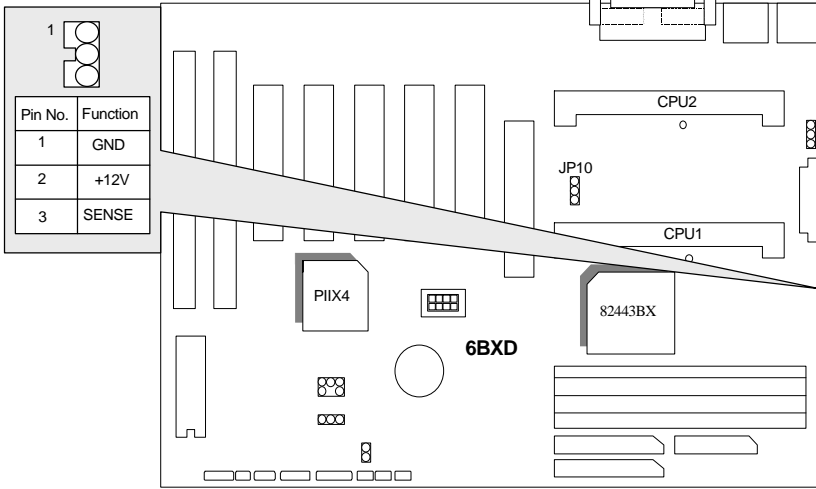
GD : Green Function Active LED Connector



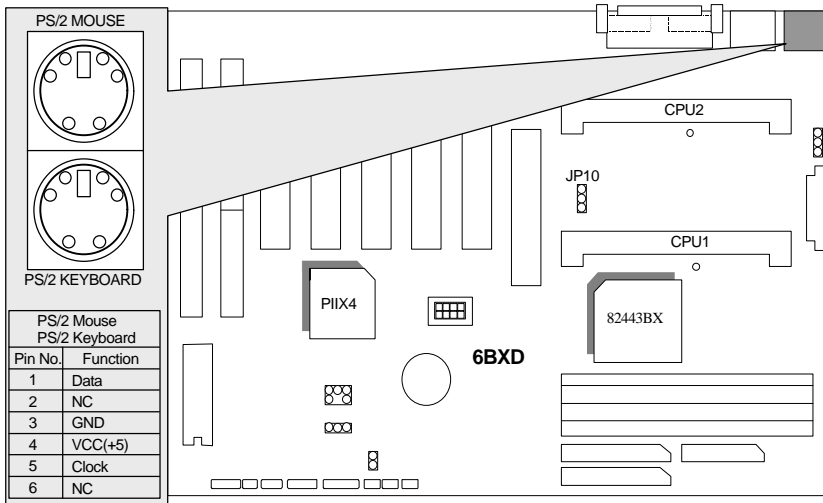
POWER : Power Connector



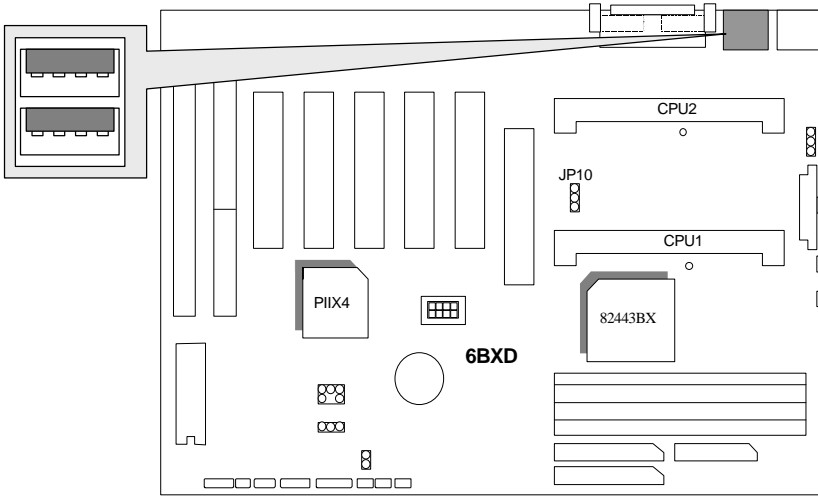
J1 & J2 : CPU Cooling Fan Power Connector



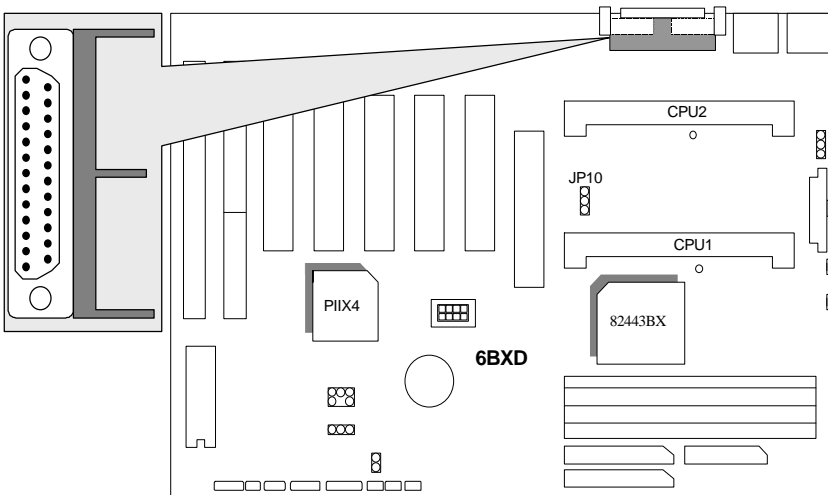
J3 : Keyboard Connector & PS/2 Mouse



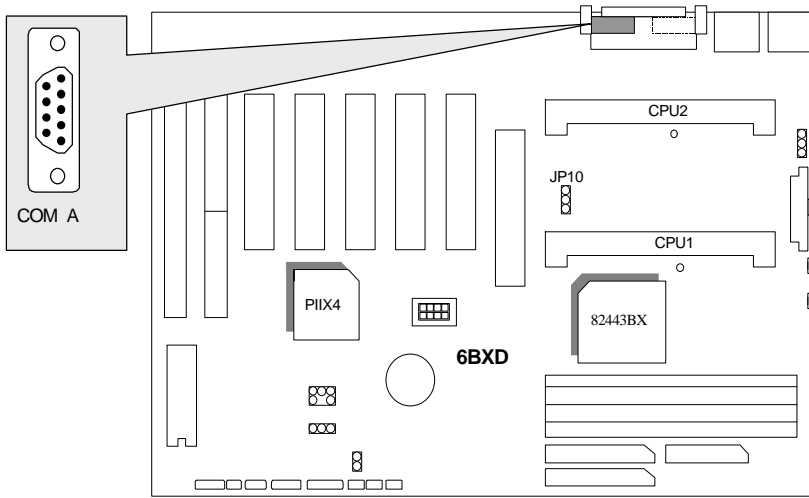
CN1 : USB Port



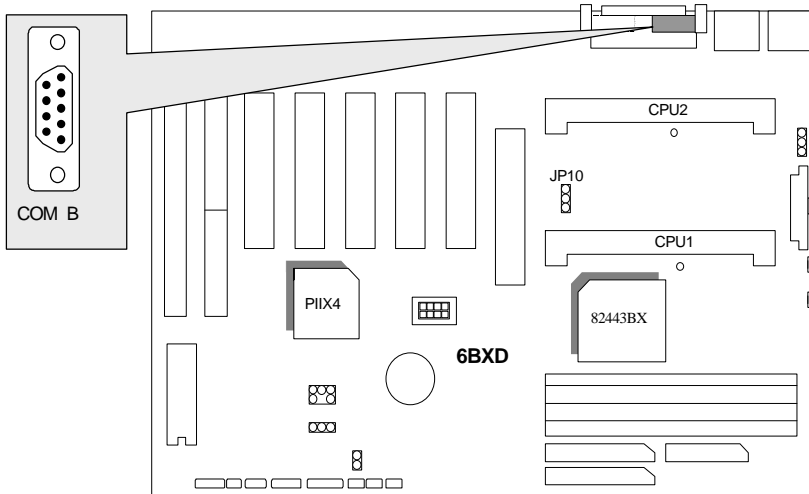
J5: LPT PORT



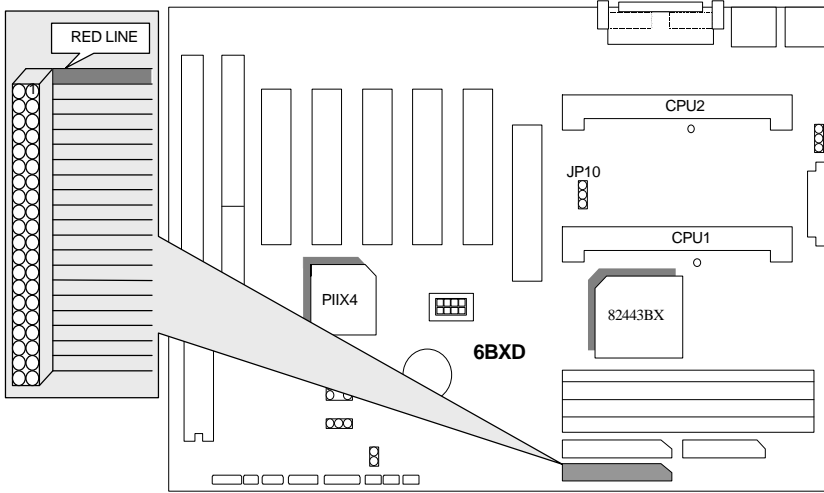
JP3: COM A



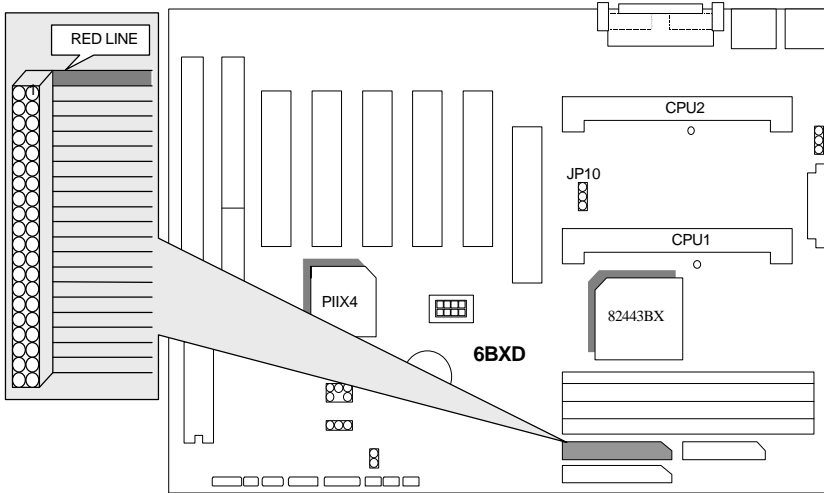
JP2: COM B



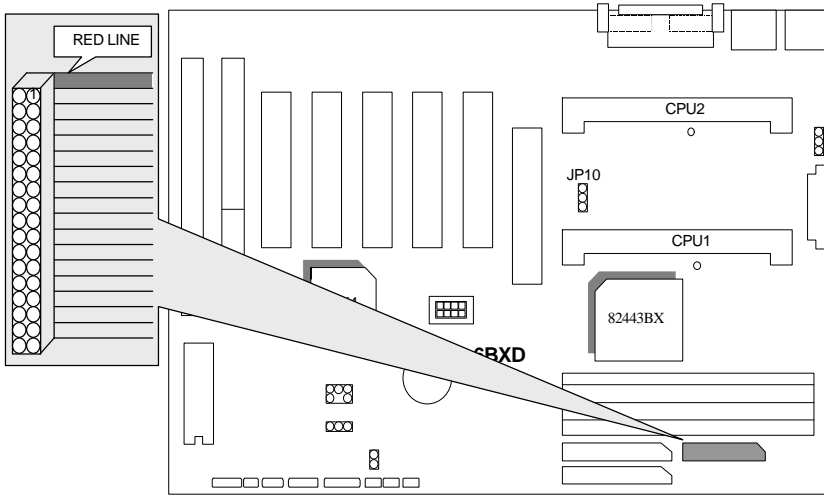
IDE1: For Primary IDE port



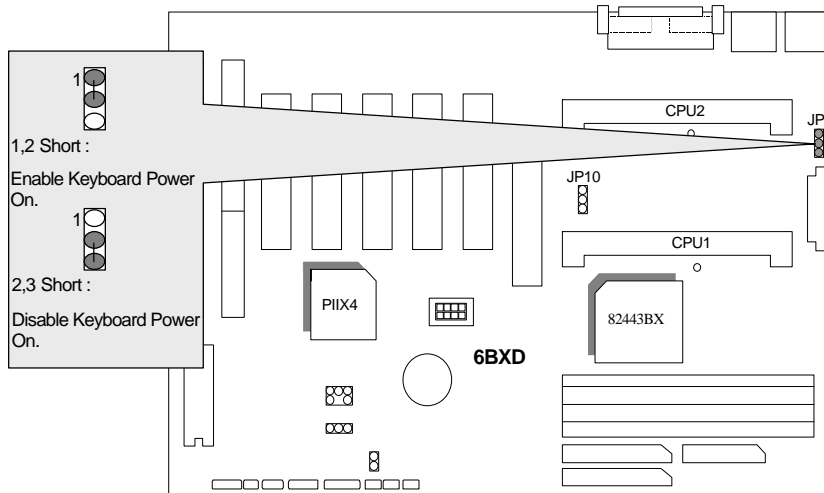
IDE2: For Secondary IDE port



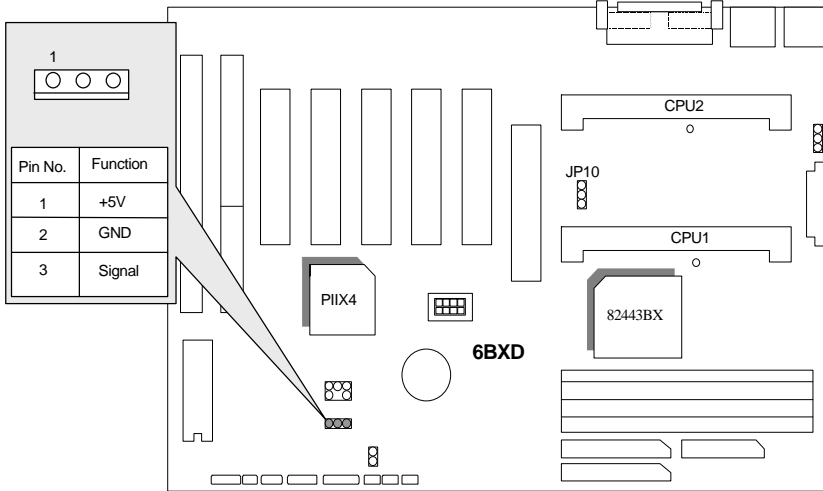
FLOPPY : FLOPPY PORT



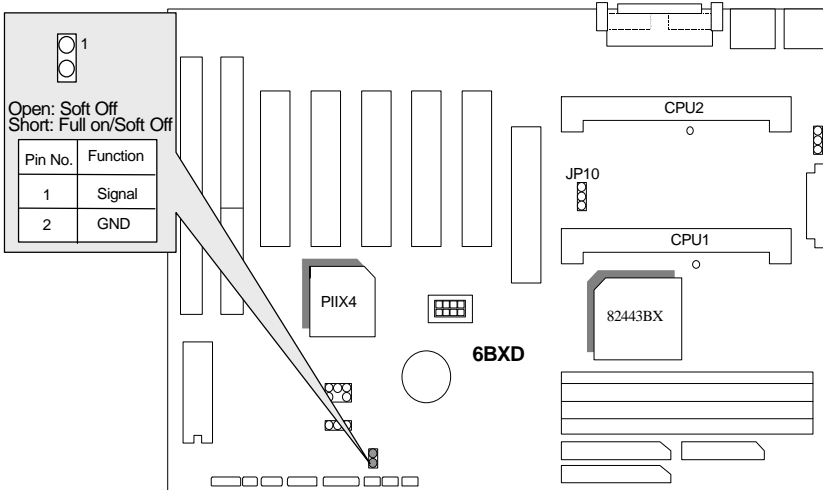
JP1 : Keyboard Power On



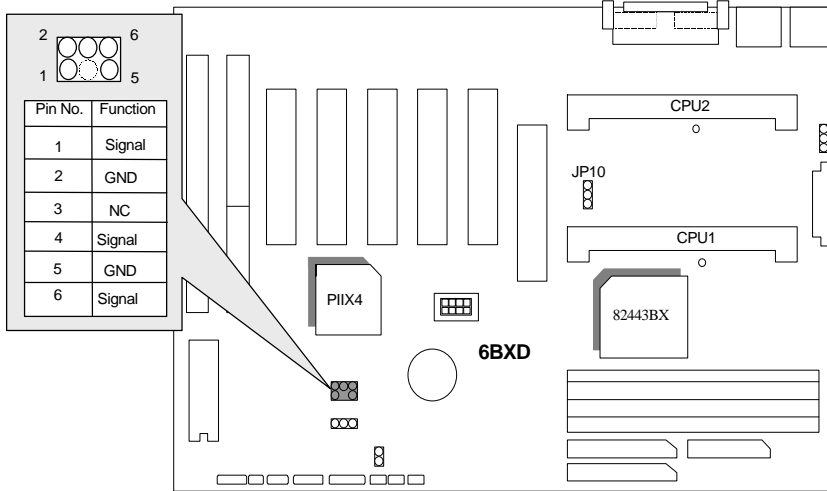
JP12: Wake on Lan



J12: System After Ac Back



JP11: For PCI Audio / Sound Card use only



III. Top Performance Test Setting:

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

```

ROM PCI/ISA BIOS (2A69K600)
CHIPSET FEATURES SETUP
AWARD SOFTWARE, INC.

EDO CAS# MA Wait State : 1
EDO RAS# Wait State : 1
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
Clock Spread Spectrum : Disabled
Slow Down CPU Duty Cycle : Disabled

Alarm When CPU Overheat : Disabled
CPU1 Temperature Select : 75°C/167°F
CPUFan1 Control : Disabled
*CPUFan1 Fail Alarm : Disabled
CPU2 Temperature Select : 75°C/167°F
CPUFan2 Contrl : Disabled
*CPUFan2 Fail Alarm : Disabled

Current CPU1 Temperature : 40°C/104°F
Current CPU2 Temperature : 40°C/104°F
Current CPU Fan1 Speed : 5611RPM
Current CPU Fan2 Speed : 5611RPM
Current CPUVCore A : 1.99 V
Current CPUVCore B : 1.51 V
Current +3.3V : 3.34 V
Current +5 V : 5.02 V
Current +12 V : 12.19 V
Current -12 V : -11.88 V
Current -5 V : -5.01 V
Current Battery Life : OK

ESC : Quit      f1+- : Select Item
F1 : Help      PU/PD/+/- : Modify
F5 : Old Values (Shift)F2 : Color
F6 : Load BIOS Defaults
F7 : LOAD PERFORMANCE DEFAULTS
    
```

** 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

6BXD

properly .

