

6BXU

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 100~300 mA 5V Stand-By current (rest with keyboard require), 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 supports (Your ATX power supply must support larger than 720 mA 5V Stand-By current).**
5. **Support 3 steps ACPI LED.**
6. **Support LDCM^â**

Pentium^â II Processor MAINBOARD

R-01-02-081003

REV. 1.0 Second Edition

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Oct 03, 1998 Taipei, Taiwan

I. Quick Installation Guide :

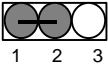
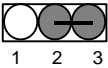
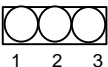
CPU SPEED SETUP

The system bus speed can be selectable between 66 MHz and 100MHz. The user can select the system bus speed (JP5) 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

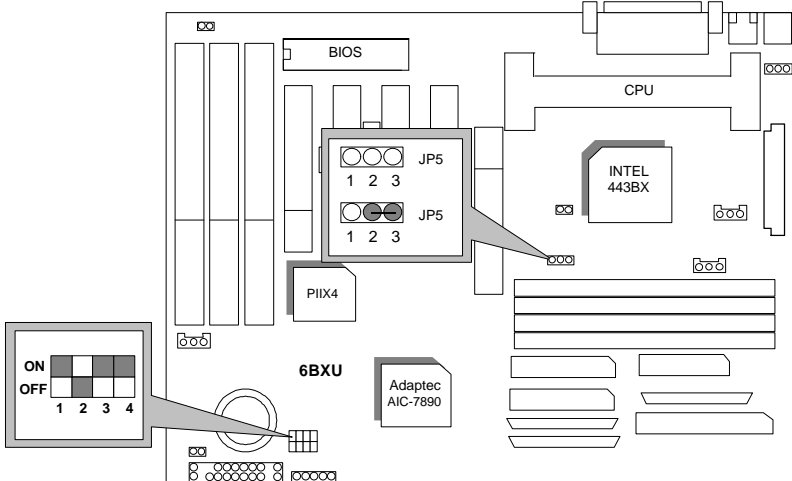
⚠ **JP5** (Select the system speed between 66 Hz and 100MHz)

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

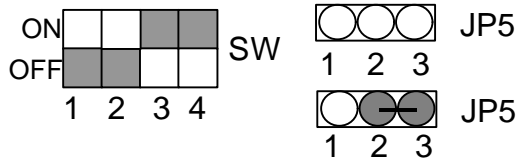
• There are two ways to set system speed

- A. 66MHz forced (JP5 1-2 short) or Auto detect (2-3 short)
- B. 100MHz forced (JP5 1-2-3 open) or Auto detect (2-3 short)

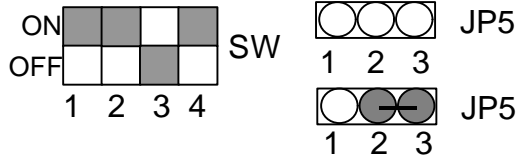
1. Pentium® II 300 / 100MHz FSB



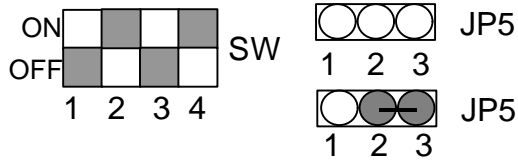
2. Pentium® II 350 / 100 MHz FSB



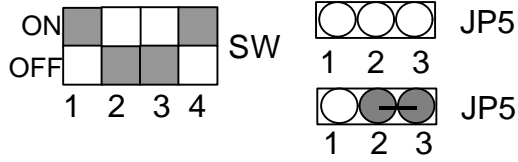
3. Pentium® II 400 / 100 MHz FSB



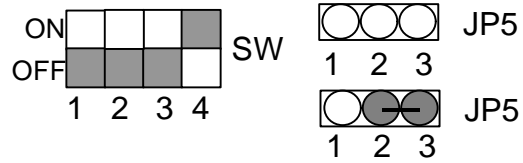
4. Pentium® II 450 / 100 MHz FSB



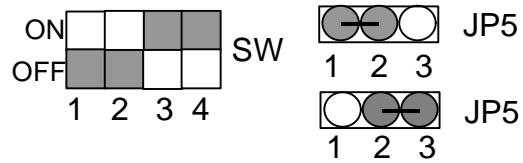
5. Pentium® II 500 / 100 MHz FSB



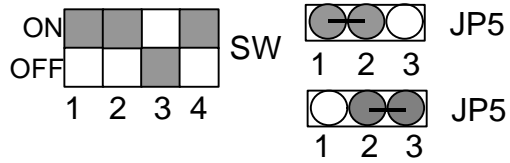
6. Pentium® II 550 / 100 MHz FSB



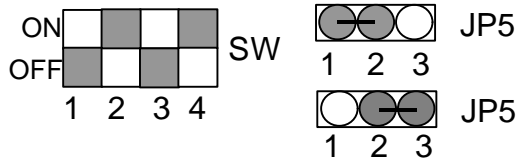
7. Pentium® II 233 / 66 MHz FSB



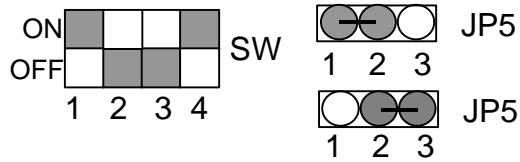
8. Pentium® II 266 / 66 MHz FSB



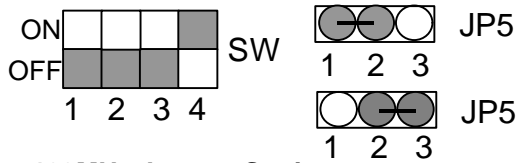
9. Pentium® II 300 / 66 MHz FSB



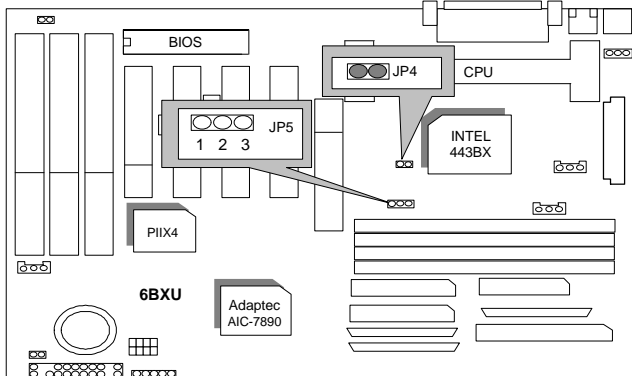
10. Pentium® II 333 / 66 MHz FSB



11. Pentium® II 366 / 66 MHz FSB



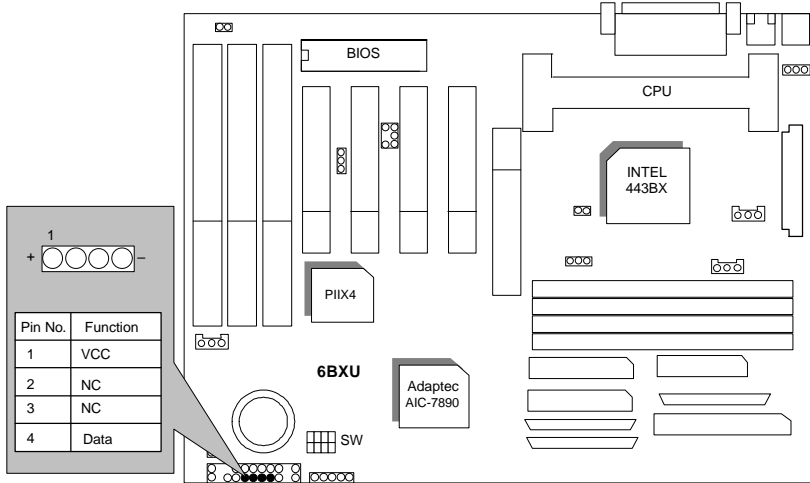
☞ For 133MHz Jumper Setting:



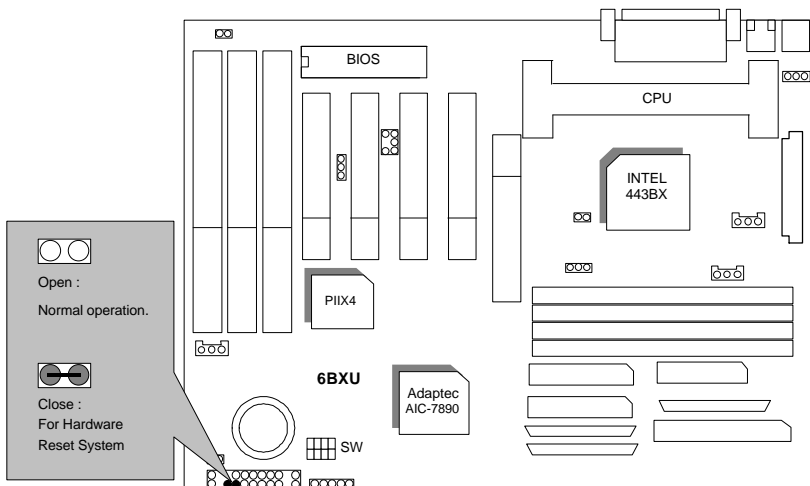
★ Note: We don't recommend you to setup your system speed to 133MHz because this frequencies is not the standard specifications for CPU, Chipset and most of the peripherals. Whether your system can run under 133MHz properly will depend on your hardware configurations: CPU, SDRAM, Cards, etc.

II. Jumper setting :

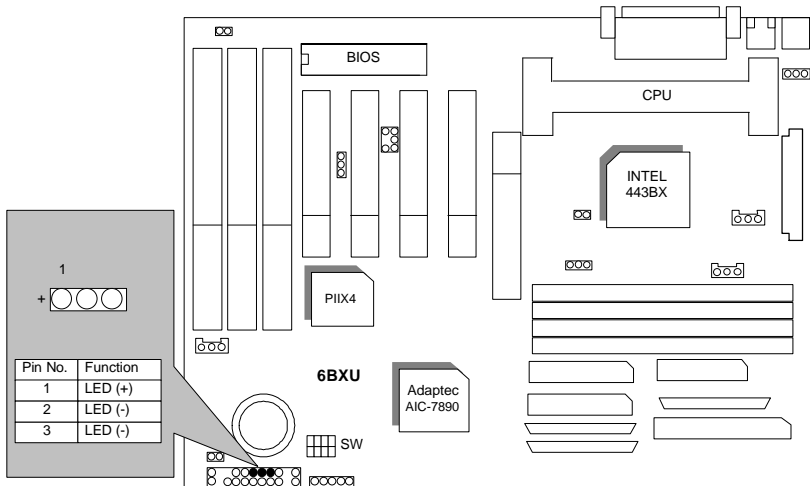
SPK : Speaker Connector



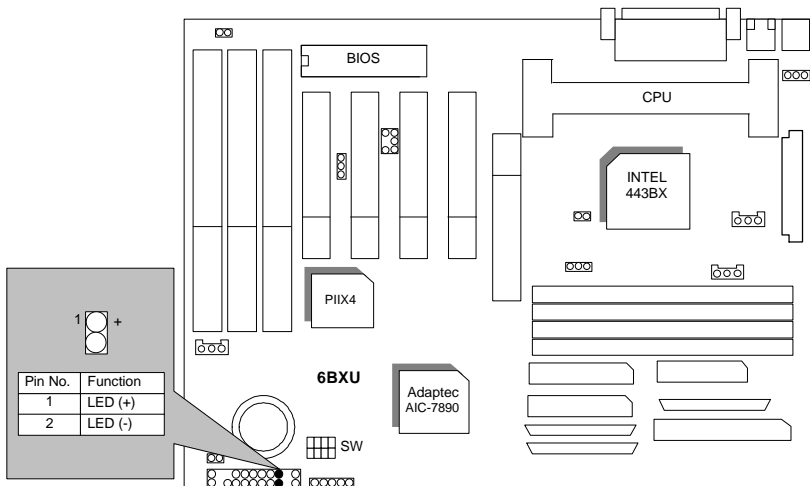
RST : Reset Switch



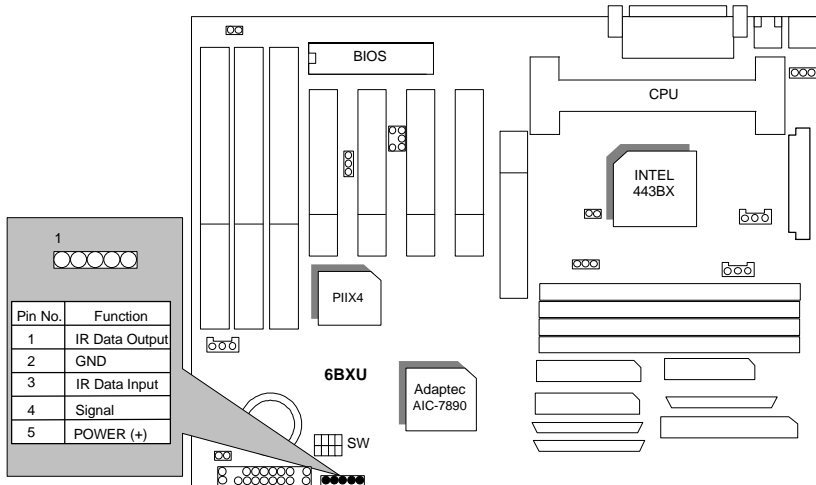
PWR : Power LED Connector



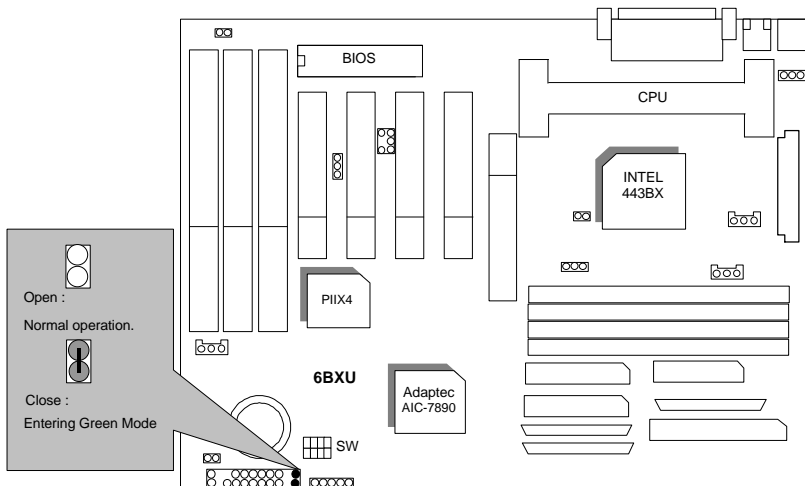
HD : IDE Hard Disk Active LED



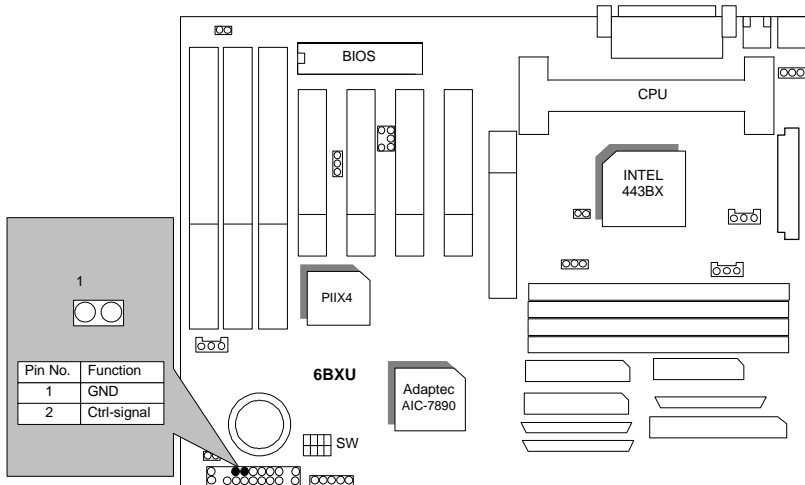
IR : Infrared Connector (Optional)



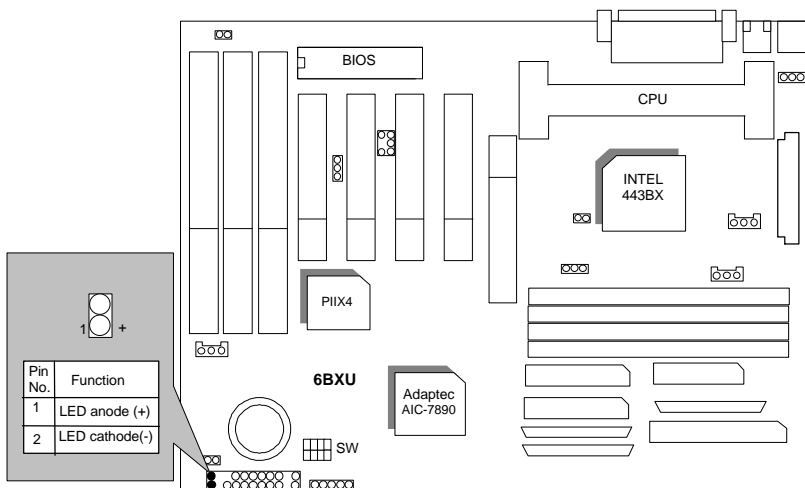
GN : Green Function Switch



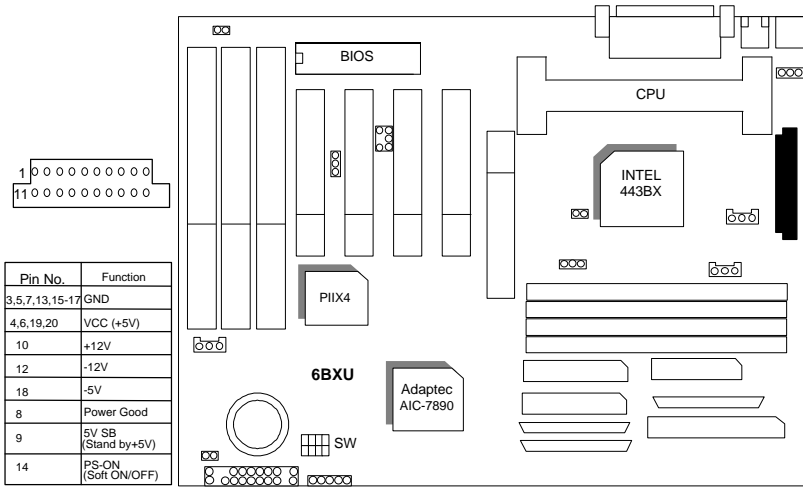
SOFT PWR : Soft Power Connector



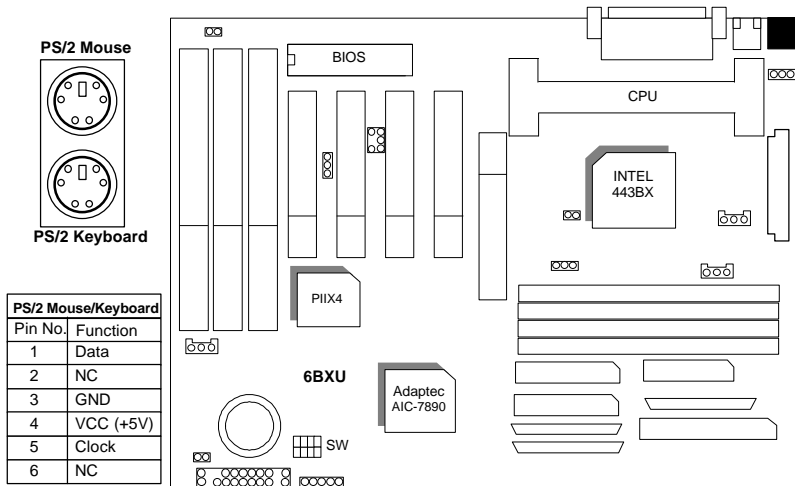
GD : Green LED Connector



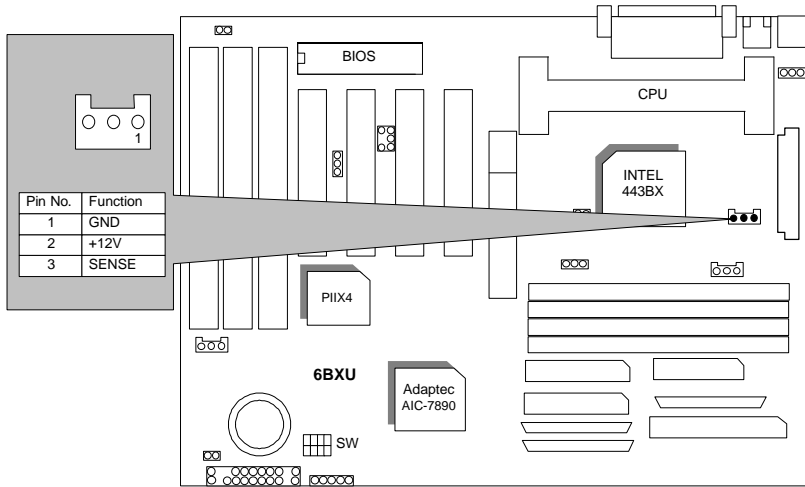
ATX POWER : ATX Power Connector



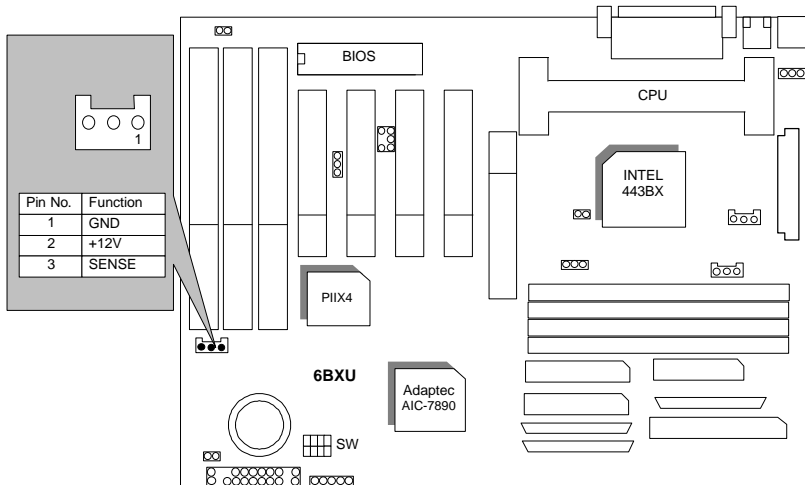
PS/2 Mouse / Keyboard Connector



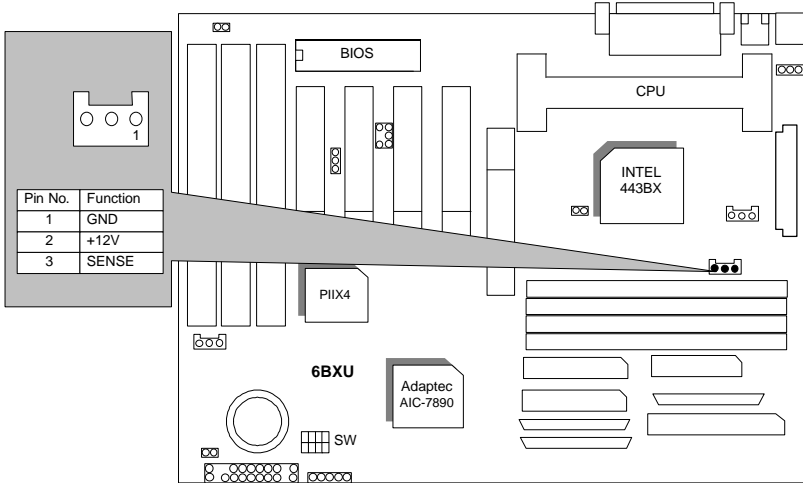
CPU FAN : CPU Cooling Fan Power Connector



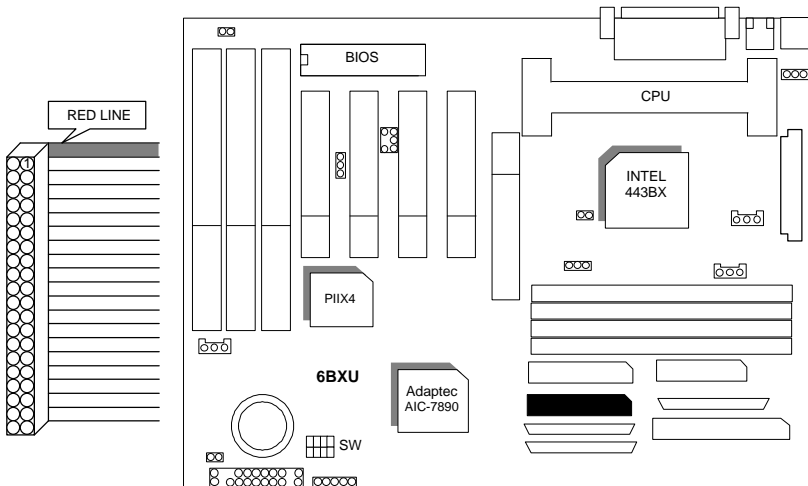
PANEL FAN : Panel Fan Power Connector



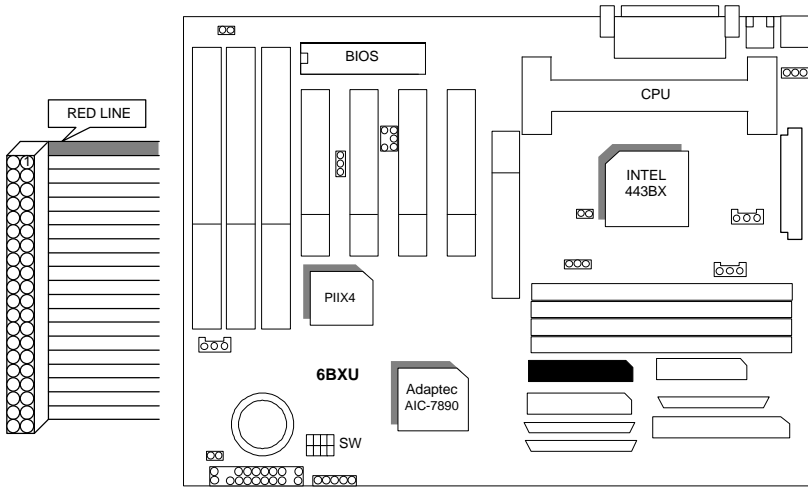
PWR FAN : Power FAN Connector



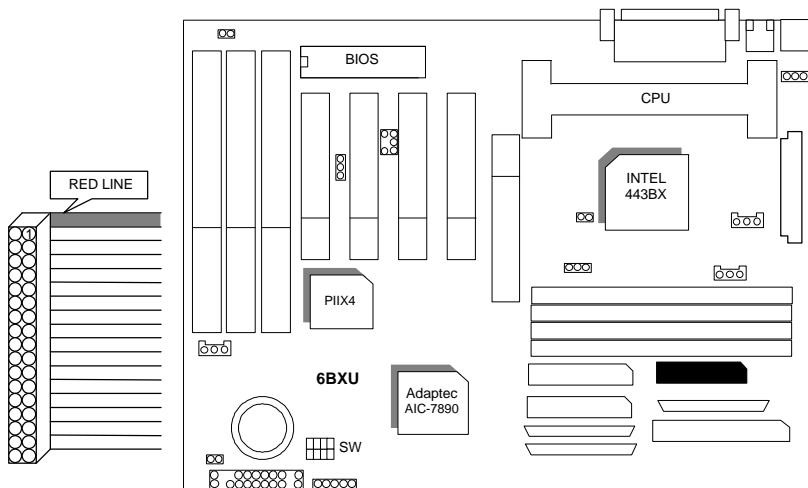
IDE1: For Primary IDE port



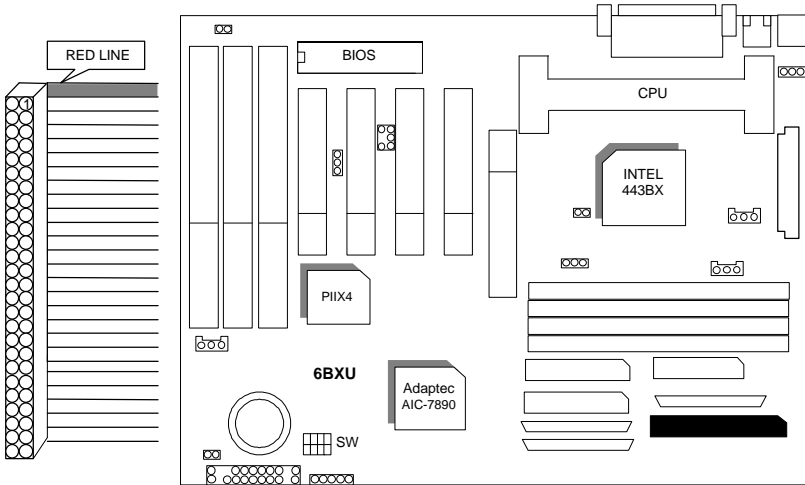
IDE2: For Secondary IDE port



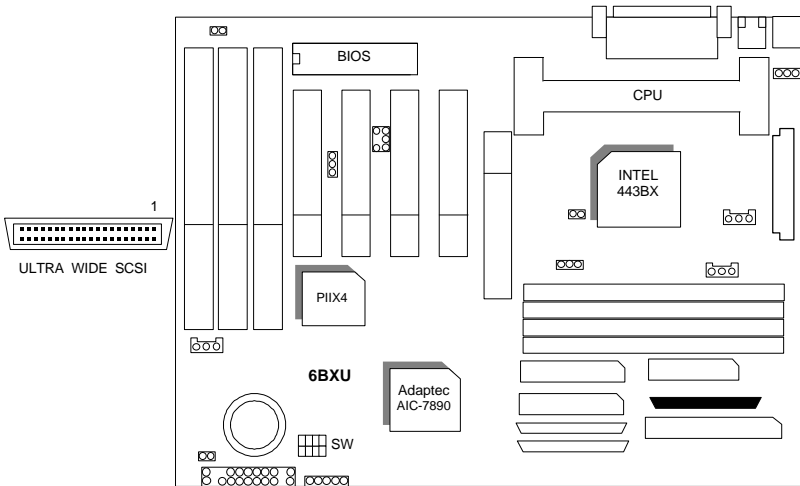
FLOPPY : FLOPPY PORT



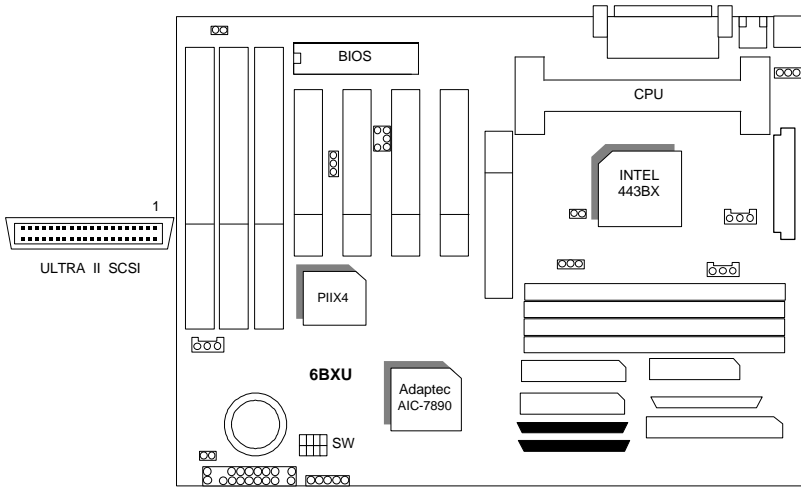
ULTRA SCSI : ON BOARD ULTRA SCSI PORT



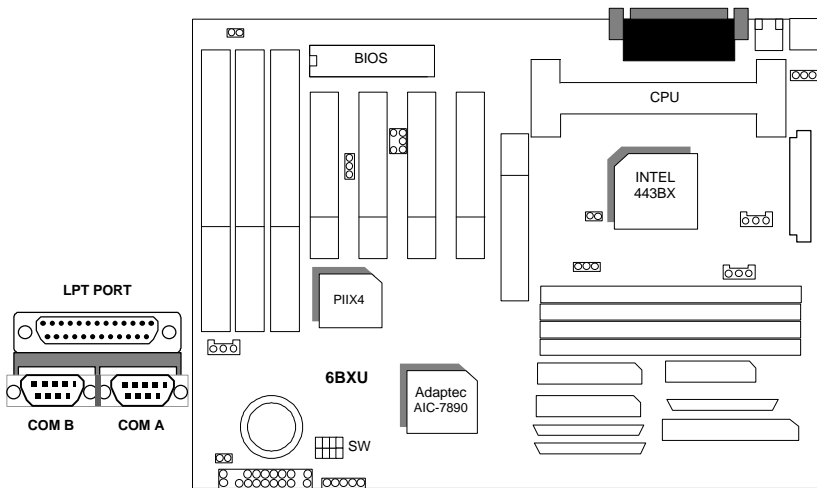
ULTRA WIDE SCSI : ON BOARD ULTRA WIDE SCSI PORT



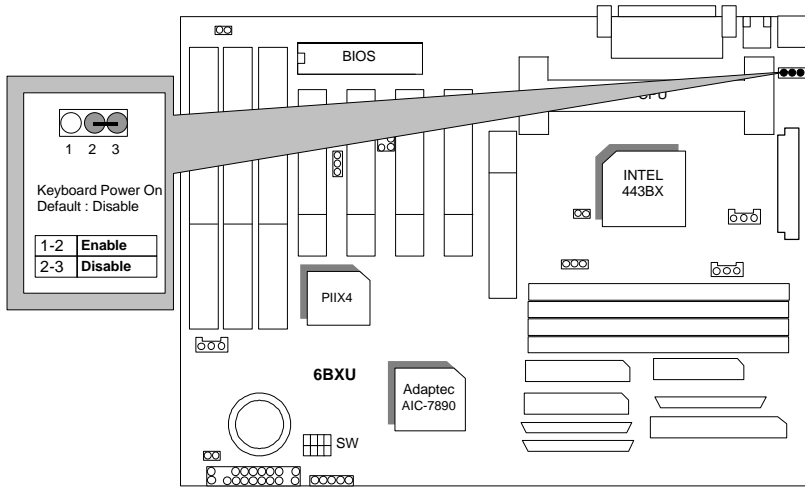
ULTRA II SCSI : ON BOARD ULTRA II SCSI PORT



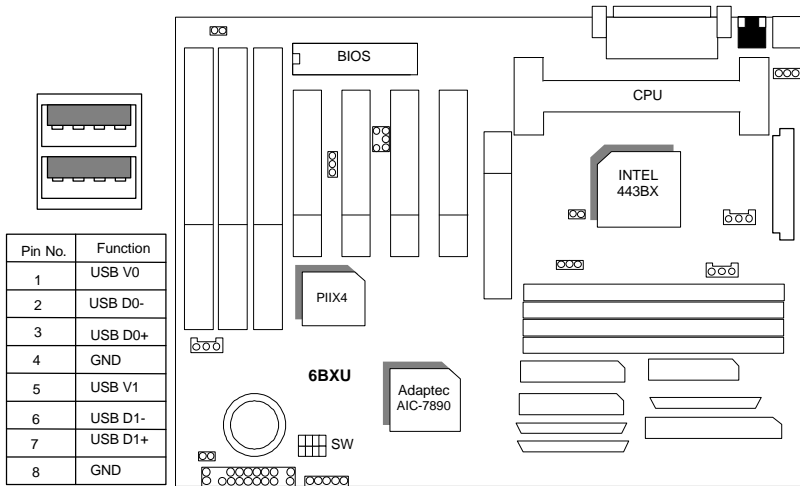
LPT PORT / COM A / COM B



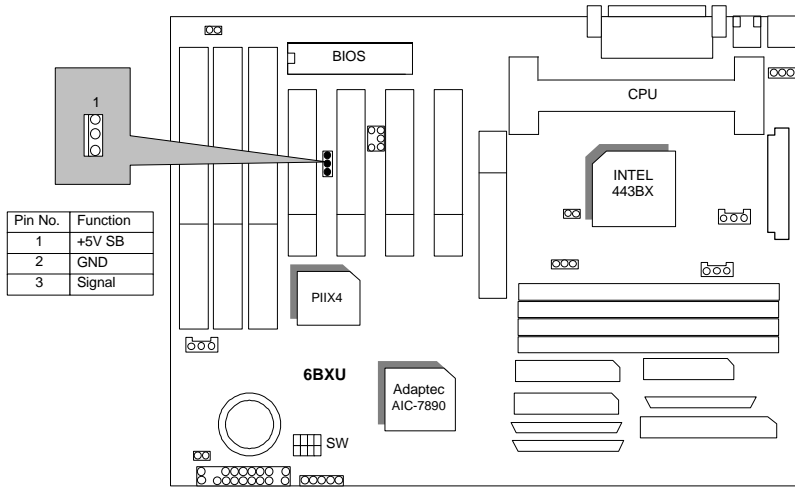
JP1 : Keyboard Power On



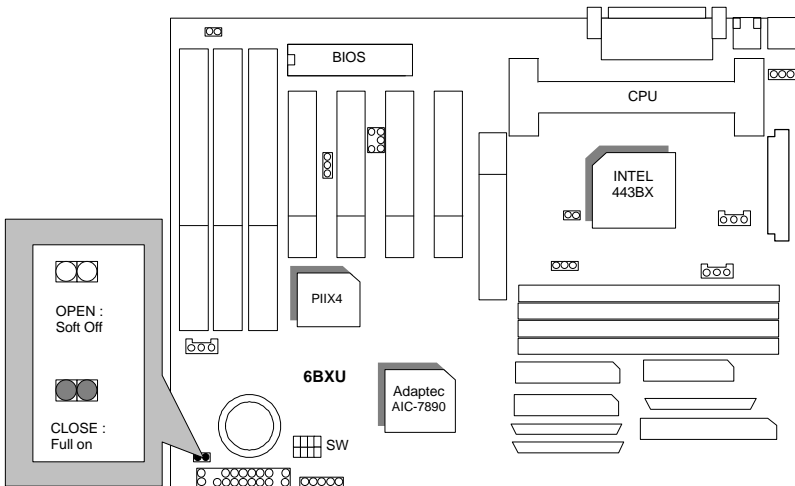
USB : USB Port



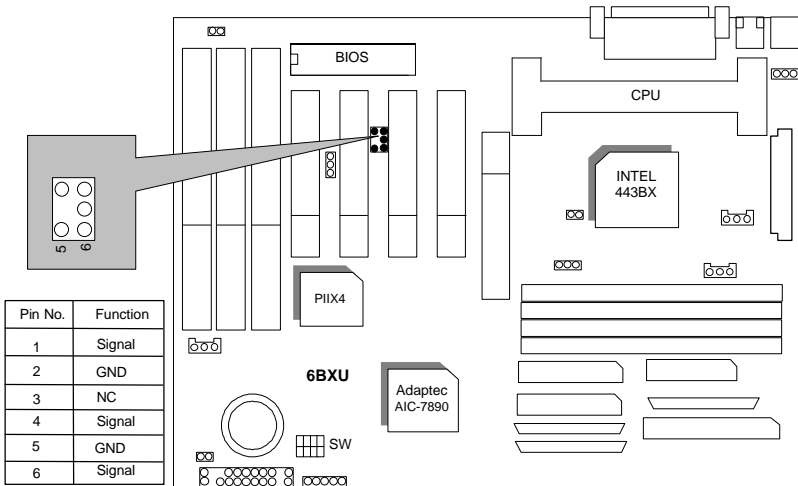
JP8 : Wake on LAN



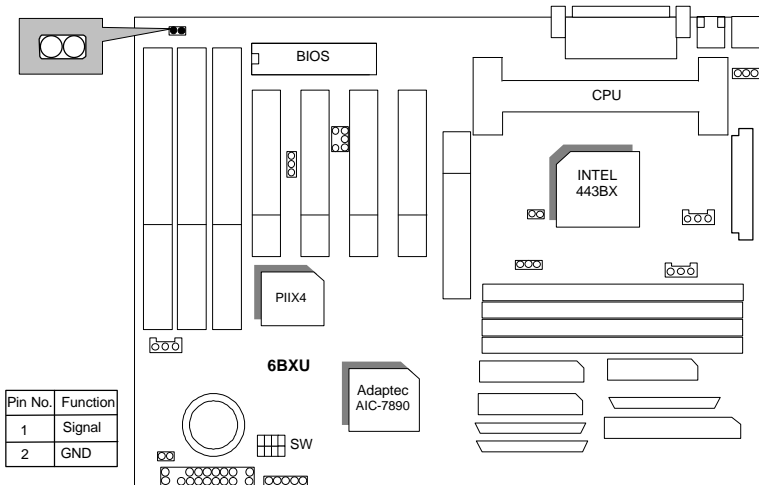
J13: ATX Power Control Selection



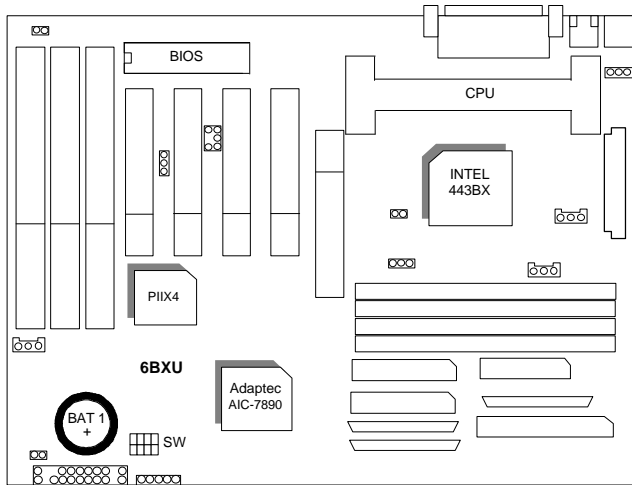
SB-LINK : For PCI Audio / Sound Card use only



J14 : Case Open



BAT1:For Battery

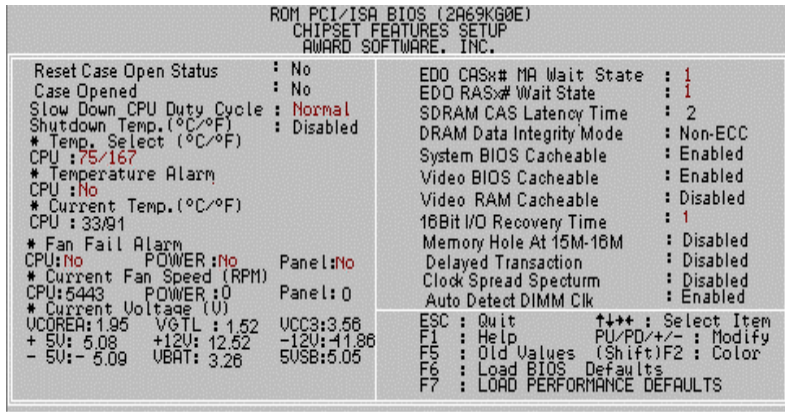


- Danger of explosion if battery is incorrectly replaced.
- Replace only with the same or equivalent type recommended by the manufacturer.
- Dispose of used batteries according to the manufacturer's instructions.

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 (32x4)MB SDRAM (SEC KM48S2020CT-G8)
- CACHE SIZE 512 KB included in CPU
- DISPLAY GA-601 AGP Display Card (4MB SGRAM)
- STORAGE Onboard Ultra Wide SCSI (IBM DRS-39130)
- O.S. Windows NT™ 4.0
- DRIVER Display Driver at 1024 x 768 x 256 colors x 75Hz.
Adaptec AIC-7890 SCSI Driver

Processor	Intel Pentium® II	
	450MHz(100x4.5)	333MHz(66x5)
Winbench98		
CPU mark32	1100	843
FPU Winmark	2290	1720
Business Disk	1930	1840
Hi-End Disk	4580	4460
Business Graphics	201	163
Hi-End Graphics	238	171
Winstone98		
Business	36	30.8
Hi-End	39.4	32.8

