

# **6LX7 / 6LX7A**

## **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 (JP6) 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)**
- 6. ESS SOLO-1 ES1938S PCI Sound Onboard (Optional).**

**Celeron™ Socket 370 Processor MAINBOARD**

REV. 1.0 Third Edition

R-10-03-090419



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Apr. 19, 1999 Taipei, Taiwan

**I. Quick Installation Guide :**

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 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.**

FREQ. RATIO	DIP SWITCH (SW)			
	SW1	SW2	SW3	SW4
X 4.5	OFF	ON	OFF	ON
X 5	ON	OFF	OFF	ON
X 5.5	OFF	OFF	OFF	ON
X 6	ON	ON	ON	OFF
X 6.5	OFF	ON	ON	OFF
X 7	ON	OFF	ON	OFF
X 7.5	OFF	OFF	ON	OFF
X 8	ON	ON	OFF	OFF
X 8.5	OFF	ON	OFF	OFF
X 9	ON	OFF	OFF	OFF
X 9.5	OFF	OFF	OFF	OFF

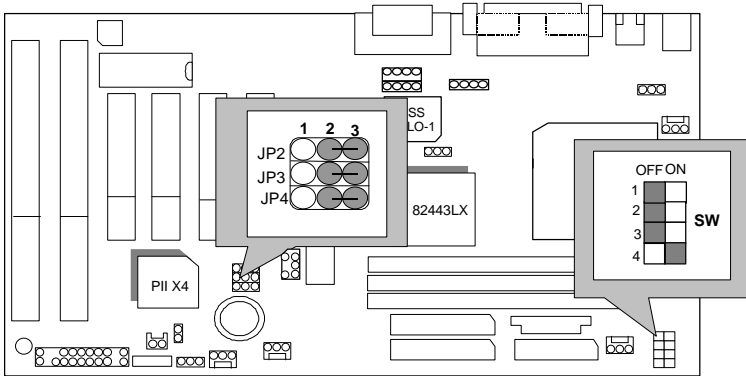
● **JP2, JP3, JP4** (Select the system speed; 66.6 / 75 / 83 MHz )

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

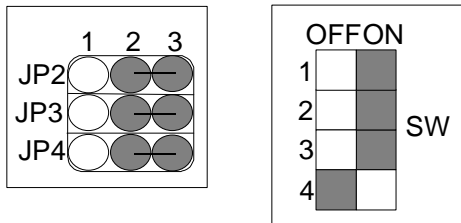
◆ Note: It's strongly recommended that set the system speed according to your hardware configuration: CPU, SDRAM, Cards, etc.

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

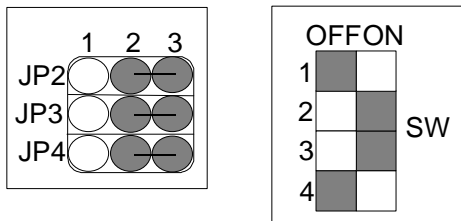
1. Celeron™ 366 / 66 MHz FSB



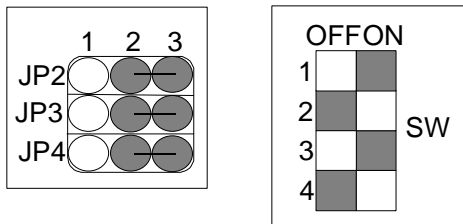
2. Celeron™ 400 / 66 MHz FSB



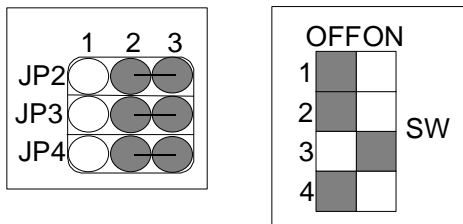
3. Celeron™ 433 / 66 MHz FSB



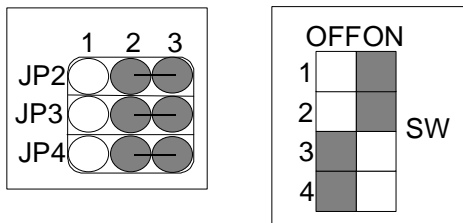
4. Celeron™ 466 / 66 MHz FSB



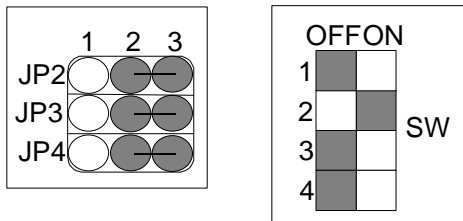
5. Celeron™ 500 / 66 MHz FSB



6. Celeron™ 533 / 66 MHz FSB

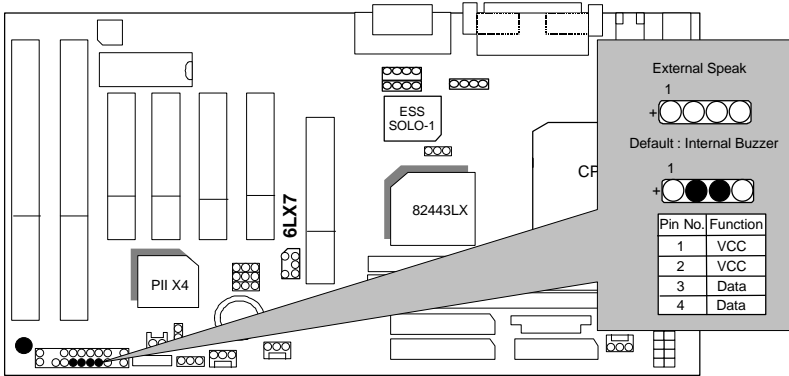


7. Celeron™ 566 / 66 MHz FSB

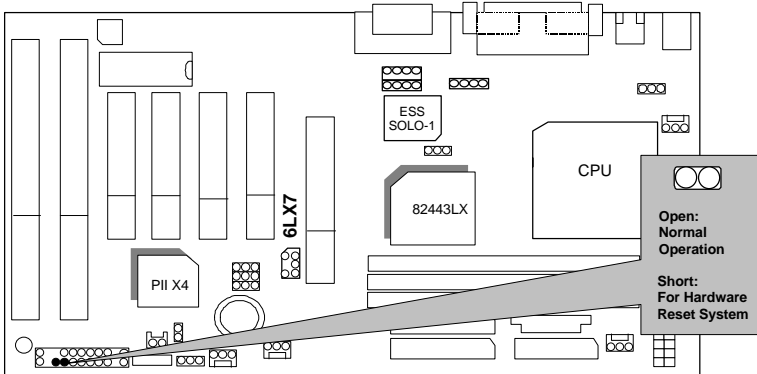


## II. Jumper setting :

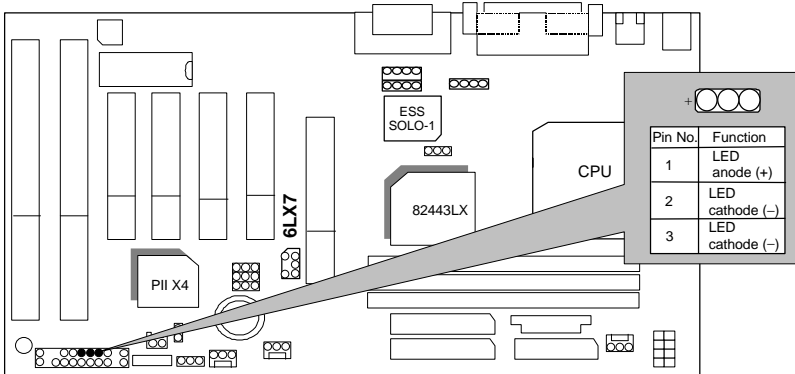
SPK : Speaker Connector



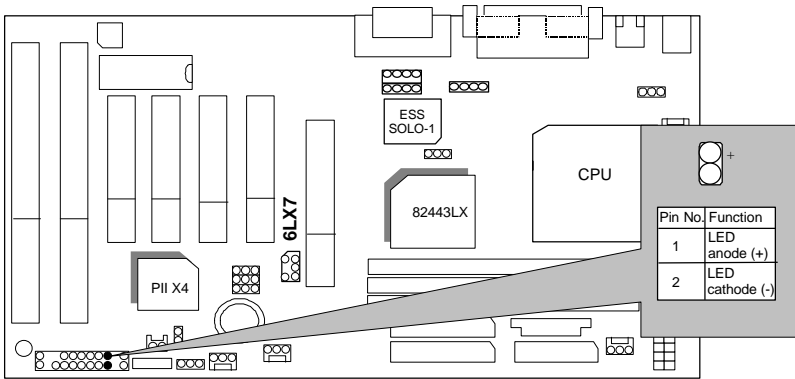
RST : Reset Switch



PW LED : Power LED Connector

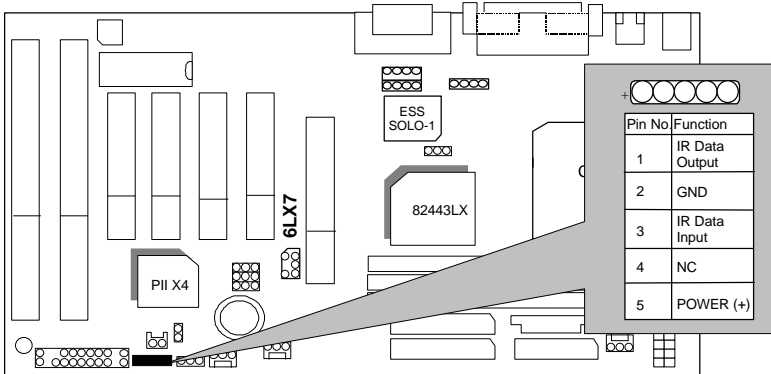


HD : IDE Hard Disk Active LED

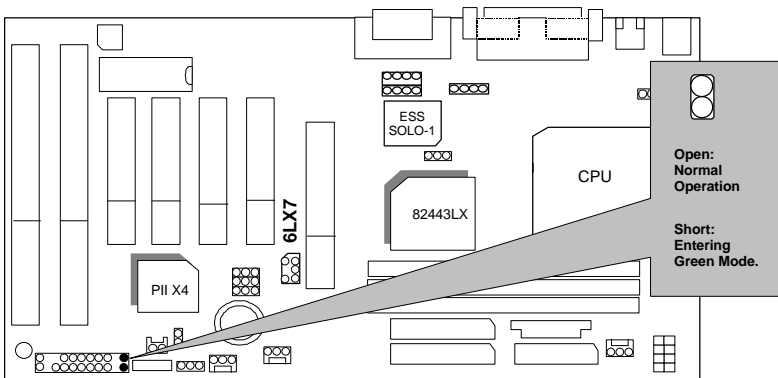




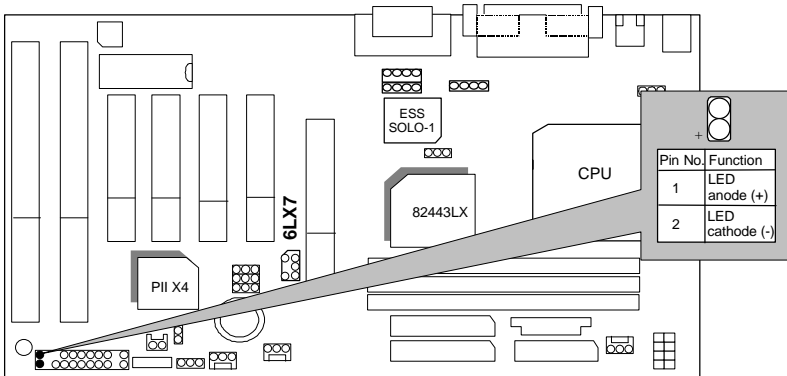
IR : Infrared Connector (Optional)



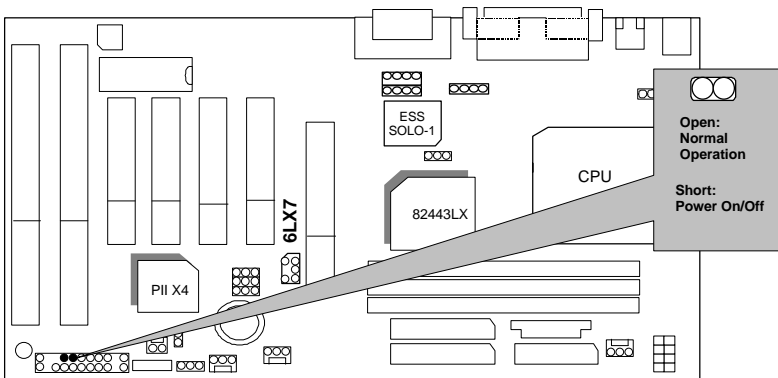
GN : Green Function Switch



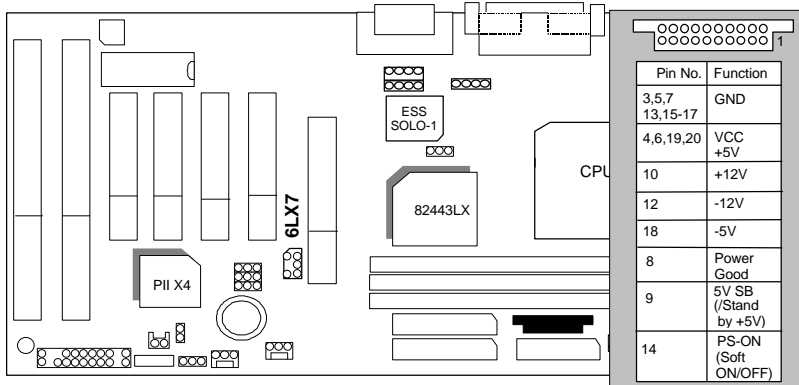
GD : Green LED



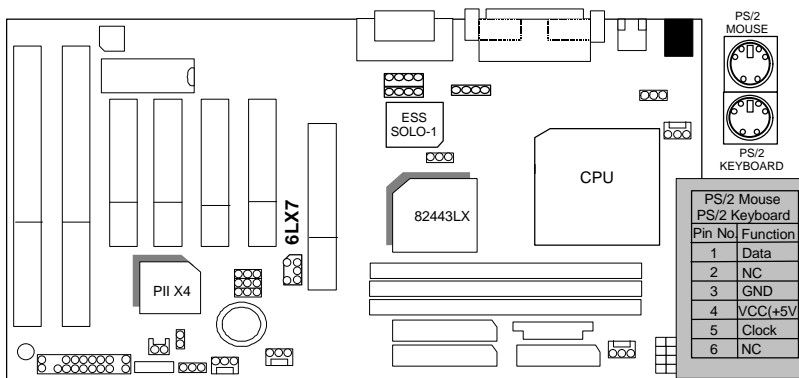
Soft POWER : Soft Power Connector



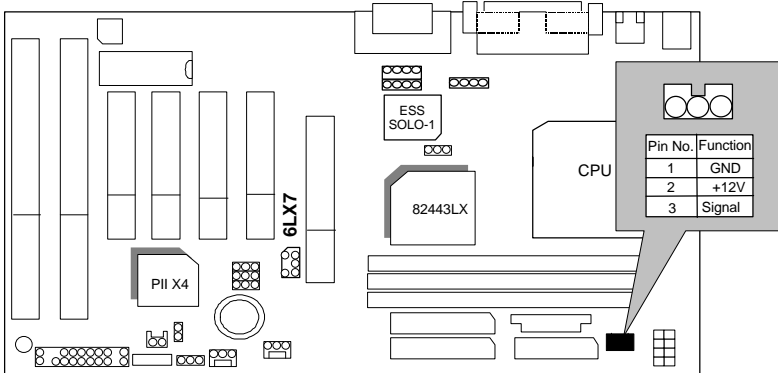
POWER1 : Power Connector



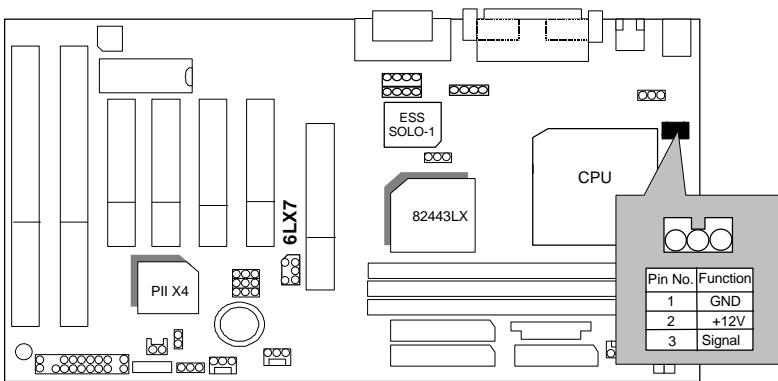
PS/2 Mouse / Keyboard Connector



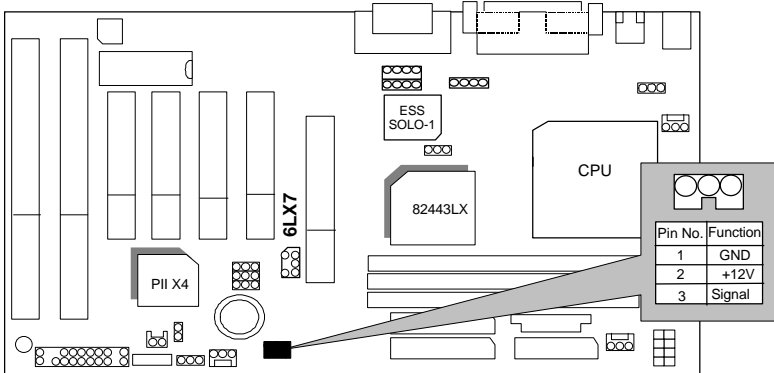
J2 : POWER FAN : Power Fan Connector



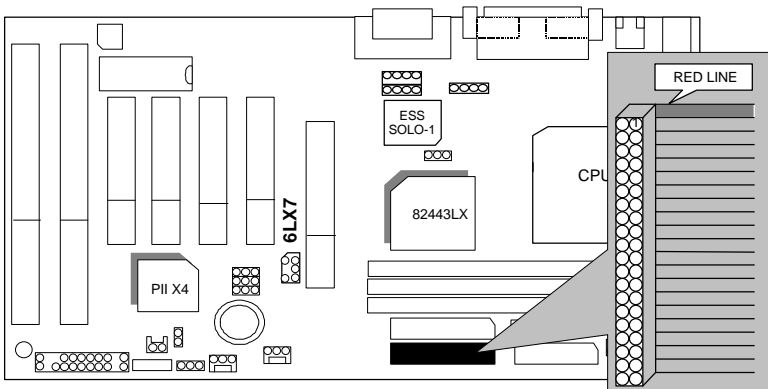
CPU Cooling Fan Power Connector



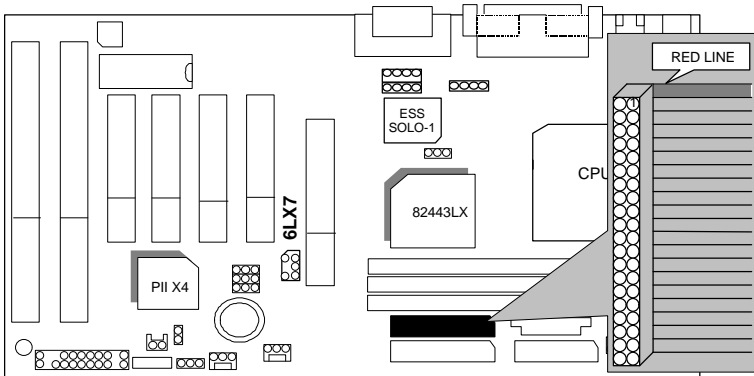
SYSTEM FAN : SYSTEM FAN Connector



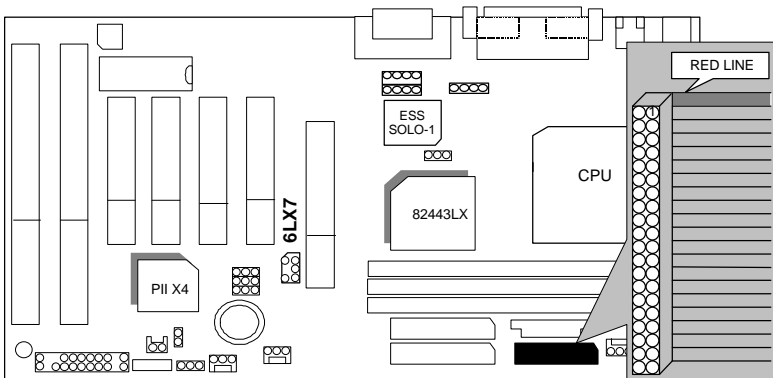
IDE1: For Primary IDE port



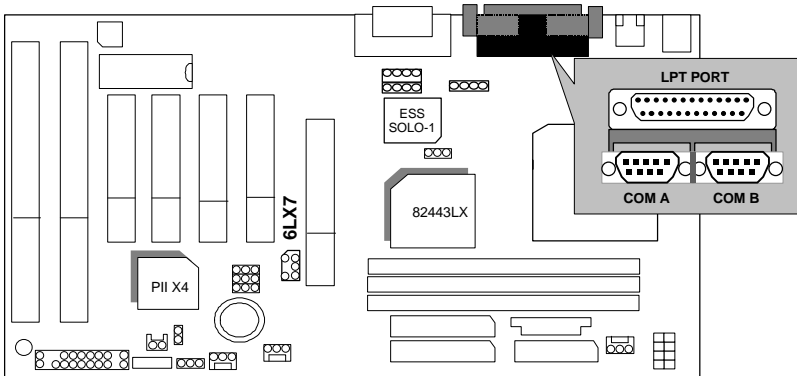
IDE2: For Secondary IDE port



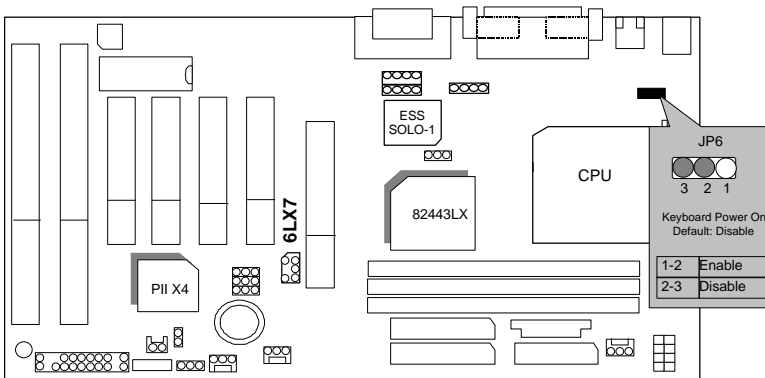
FLOPPY : FLOPPY PORT



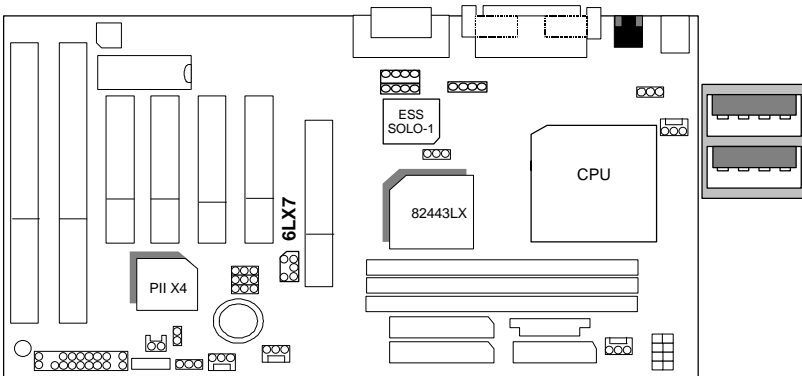
LPT PORT / COM A / COM B



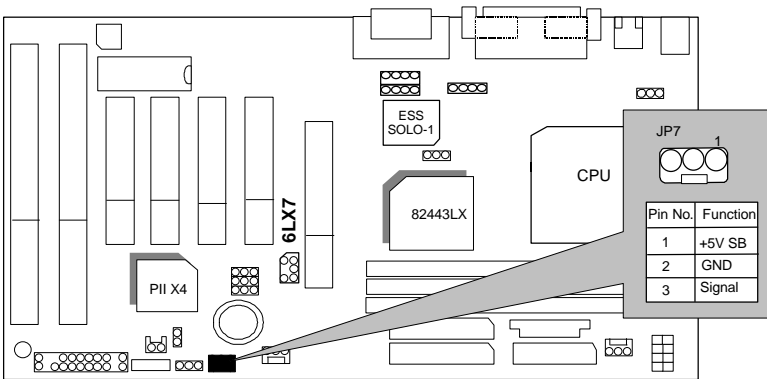
JP6 : Keyboard Power On Selection



USB : USB Port

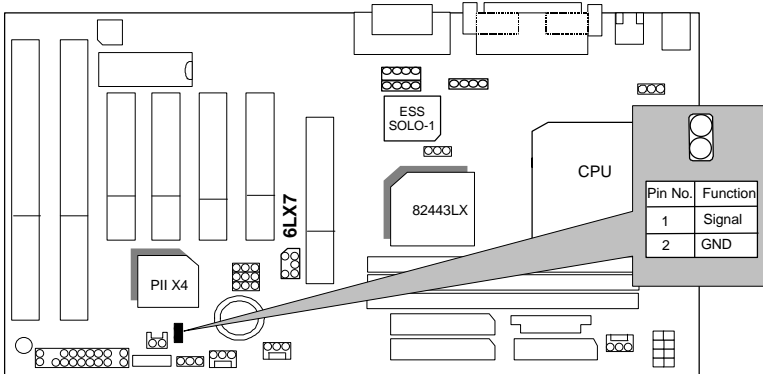


JP7: Wake On LAN

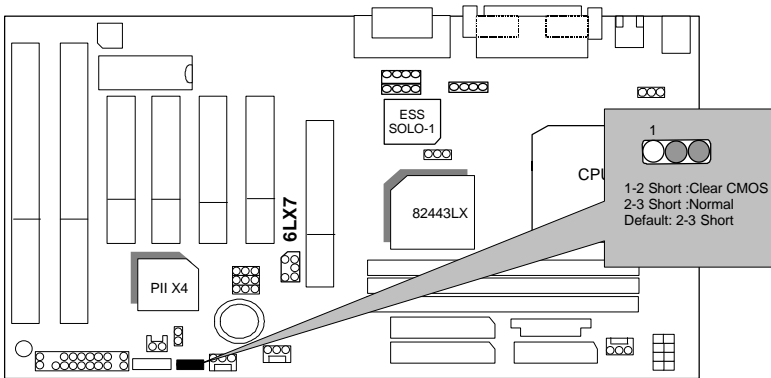




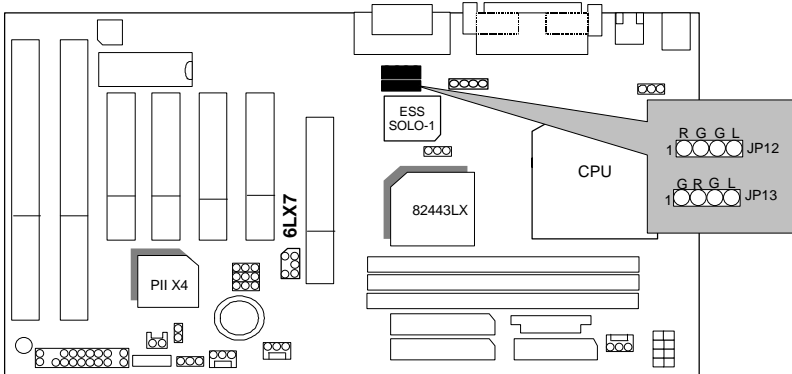
JP1 : CASE OPEN (Optional)



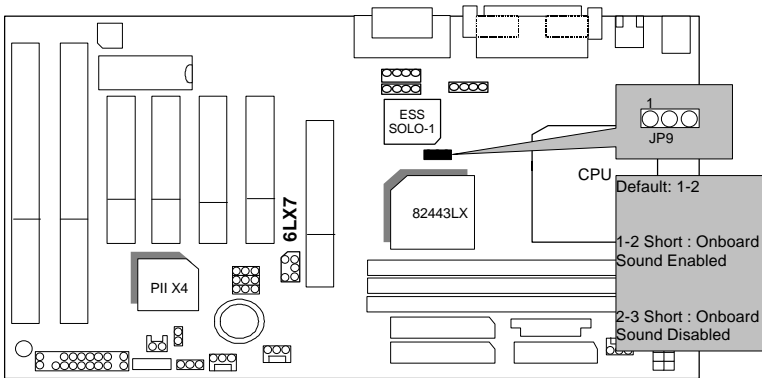
J5 : CLEAR CMOS FUNCTION



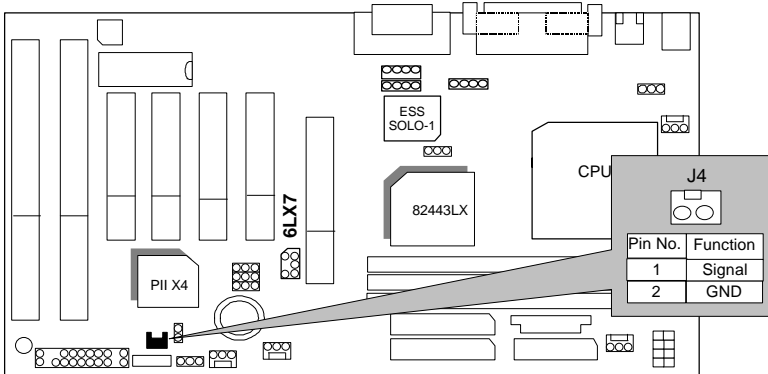
J12 / J13 : CD Audio Line-in Connector (Optional)



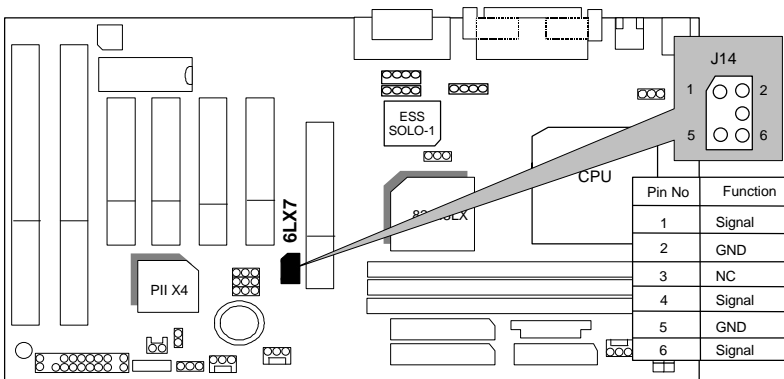
JP9 :On-Board Sound Function (Optional)



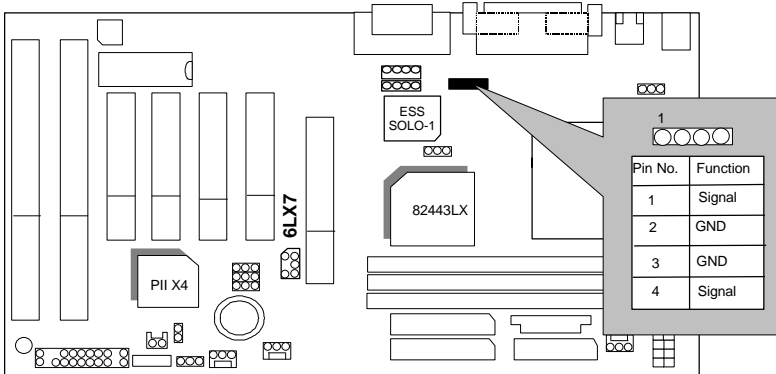
**J4 : Internal Modem Ring On**



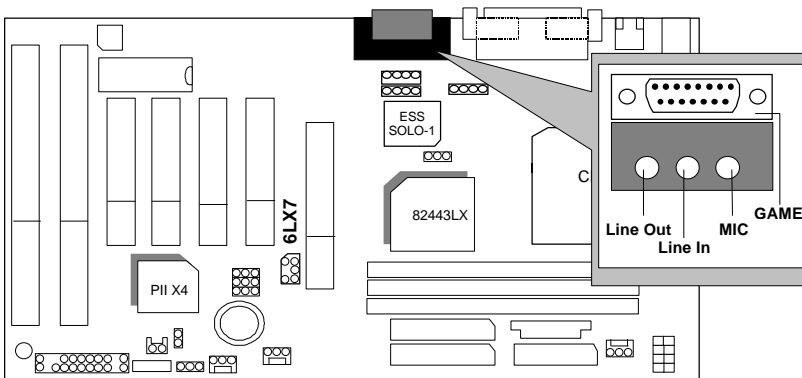
**J14 : SB-LINK (Creative PCI Sound Card Support) (Optional)**



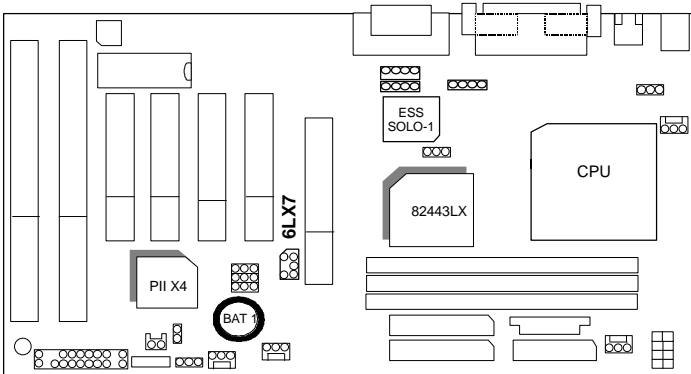
TEL : The Connector is for Modem with internal Voice Connector



GAME & AUDIO PORT



BAT1 :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 manufacturers instructions.

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 (2A69KG0F)
CHIPSET FEATURES SETUP
AMARO SOFTWARE, INC.

Auto Configuration      : Enabled
DRAM Speed Selection    : Fast
Memory Buffer Strength  : Middle
DRAM Data Integrity Mode : Non-ECC
16 Bit I/O Recovery Time : 1
Memory Hole At 15M-16M : Disabled
Delayed Transaction     : Disabled
SDRAM RAS-to-CAS Delay  : Fast
SDRAM RAS Precharge Time : Fast
SDRAM CAS Latency Time  : 2
Auto Detect DIMM/PCI Clk : Enabled
Spread Spectrum         : Disabled

Slow Down CPU Duty Cycle : Normal
Shutdown Temp.(°C/°F)   : 75/167
**Temp. Select (°C/°F)**
CPU :70/158
**Temperature Alarm**
CPU :No
**Fan Fail Alarm**
CPU:No    POWER:No    SYS.:No

Reset Case Open Status : No
Case Opened           : No

** Current Temp.(°C/°F)**
CPU :33/91

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

** Current Voltage (V) **
UCORE :1.96    VGTL :1.52    UCC3:3.56
+5V: 5.08    +12V:12.52    -12V:-11.86
-5V:-5.09    UBAT: 3.26    5VSB:5.05

ESC : Quit      ↑↑↑ : Select Item
F1  : Help      PU/PD/+/- : Modify
F5  : Old Values (Shift)F2 : Color
F6  : Load BIOS Defaults
F7  : LOAD SETUP 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 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™ 366MHz Socket 370 processor
- DRAM (128x 1) MB SDRAM (LGS 72V66841CT7J)
- CACHE SIZE 128 KB included in CPU
- DISPLAY GA-630 AGP Display Card (16MB SGRAM)
- STORAGE Onboard IDE (Seagate ST34520A 7200RPM)
- O.S. Windows NT™4.0 (SP4)
- DRIVER Display Driver at 1024 x 768 x 64k colors x 75Hz.  
TRIONES Bus Master IDE Driver 3.70

Processor	Intel® Celeron™ (Socket 370) 366MHz (66x5.5)
<b>Winbench99</b>	
CPU mark32	705
Business Disk	4330
Hi-End Disk	10600
Business Graphics	173
Hi-End Graphics	331
<b>Winstone99</b>	
Business	26.8
Hi-End	24.3