

686LX2

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 1 ampere 5V Stand-By function, you can choose to power on your system by entering password or just press any key from keyboard.
3. **Modem Ring-On on COM B.**
4. **Wake-Up on LAN. (on JP6)**
5. **Supports 3 or 4 steps ACPI LED selectable.(on JP7)**

Pentium® II Processor MAINBOARD

REV. 1 First Edition

R-01-01-071212

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.

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NOVEMBER 20, 1997 Taipei, Taiwan

I. Quick Installation Guide :

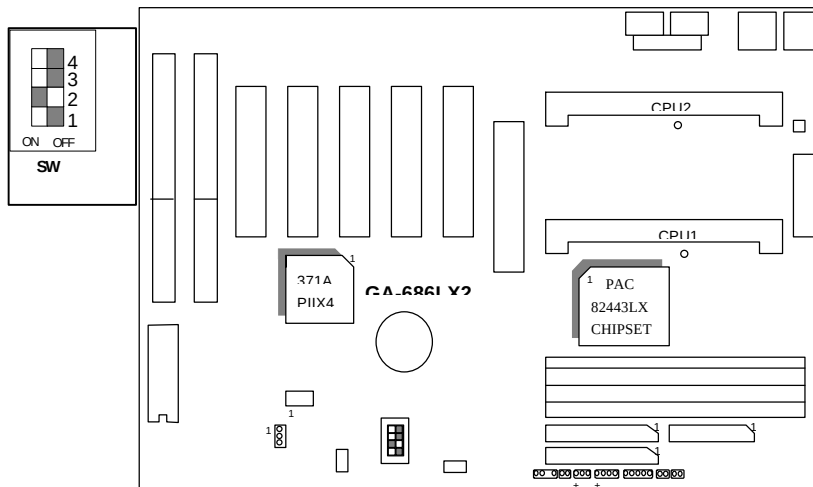
CPU SPEED SETUP

The system's speed is fixed to 66.6MHz. The user can change the DIP SWITCH **(SW)** selection to set up the CPU speed for 200 - 633MHz processor.

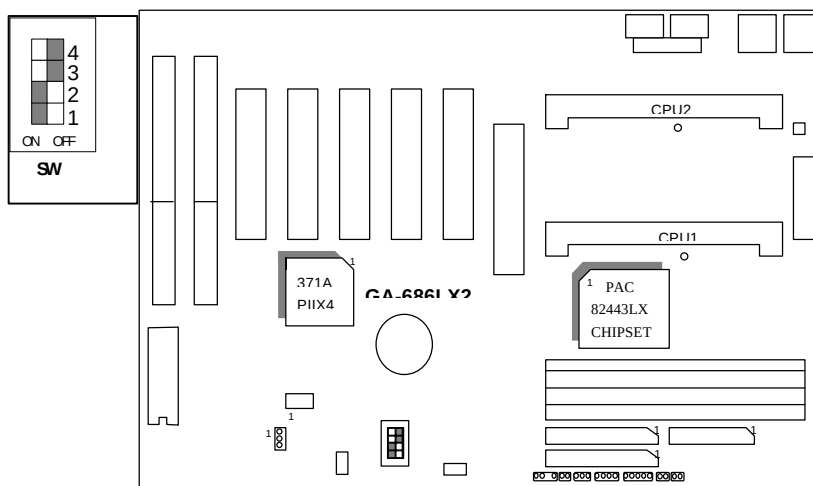
The CPU speed must match with the frequency RATIO. It will cause system hanging up if the frequency RATIO is higher than CPU's.

DIP SWITCH (SW)				FREQ. RATIO	EXT.CLK. MHz	INT.CLK. MHz	CPU Type
1	2	3	4				
OFF	ON	OFF	OFF	3	66	200	Pentium® II 200 MHz
ON	ON	OFF	OFF	3.5	66	233	Pentium® II 233 MHz
OFF	OFF	ON	OFF	4	66	266	Pentium® II 266 MHz
ON	OFF	ON	OFF	4.5	66	300	Pentium® II 300 MHz
OFF	ON	ON	OFF	5	66	333	Pentium® II 333 MHz
ON	ON	ON	OFF	5.5	66	366	Pentium® II 366 MHz

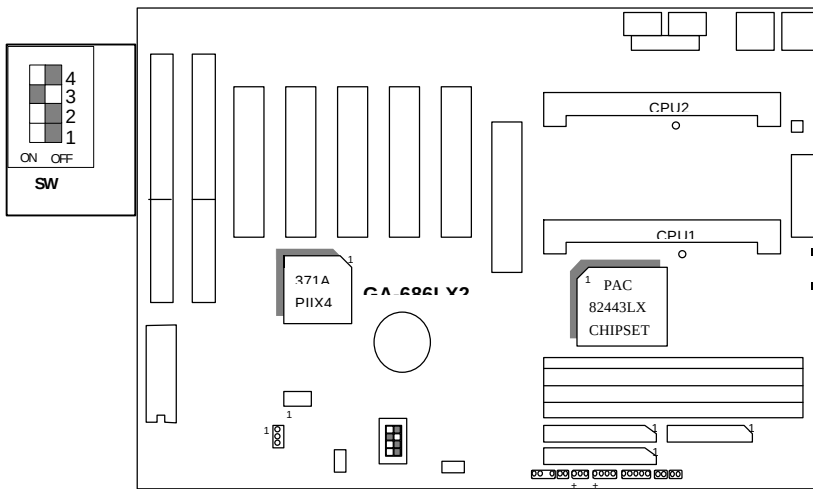
1. Pentium® II 200 MHz



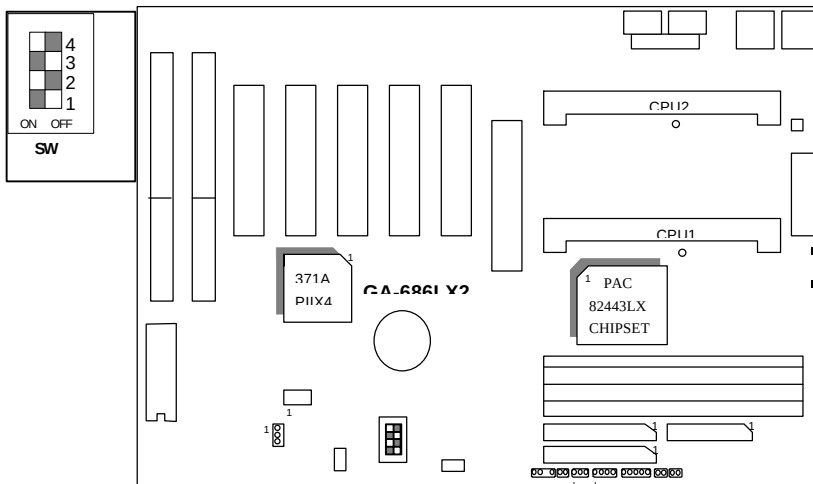
2. Pentium® II 233 MHz



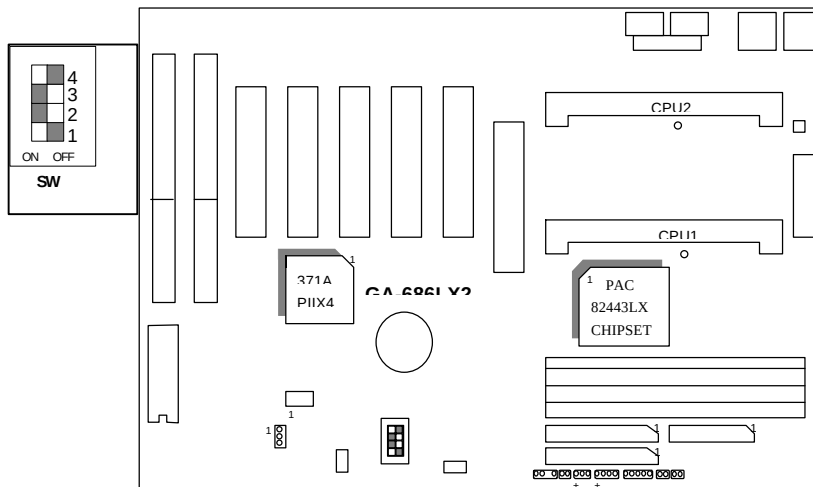
3. Pentium® II 266 MHz



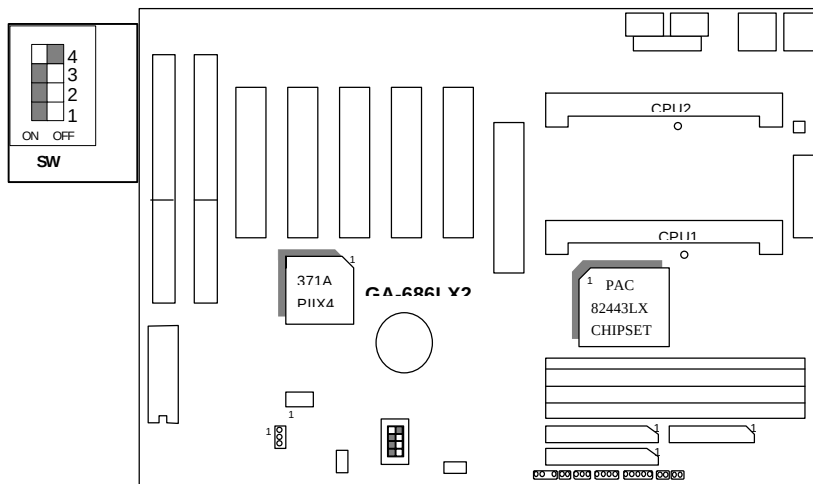
4. Pentium® II 300 MHz



5. Pentium® II 333 MHz

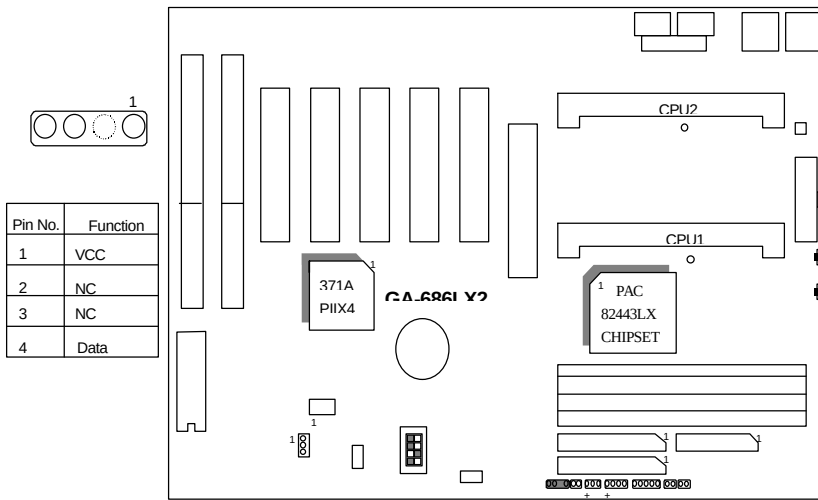


6. Pentium® II 366 MHz



II. Jumper setting :

SPK : Speaker Connector



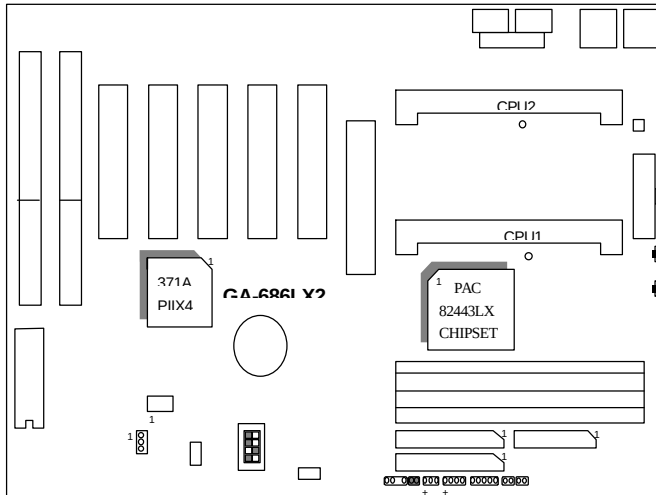
RST : Rest Switch

1

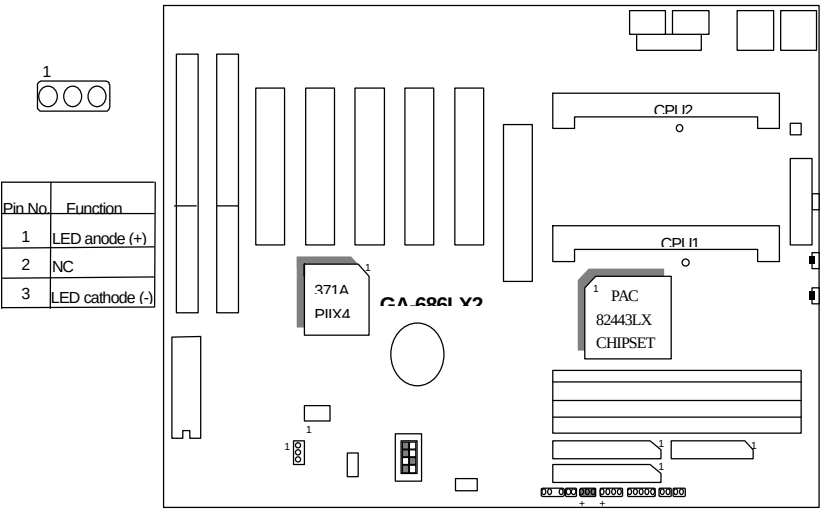
 Open:
 Normal operation

1

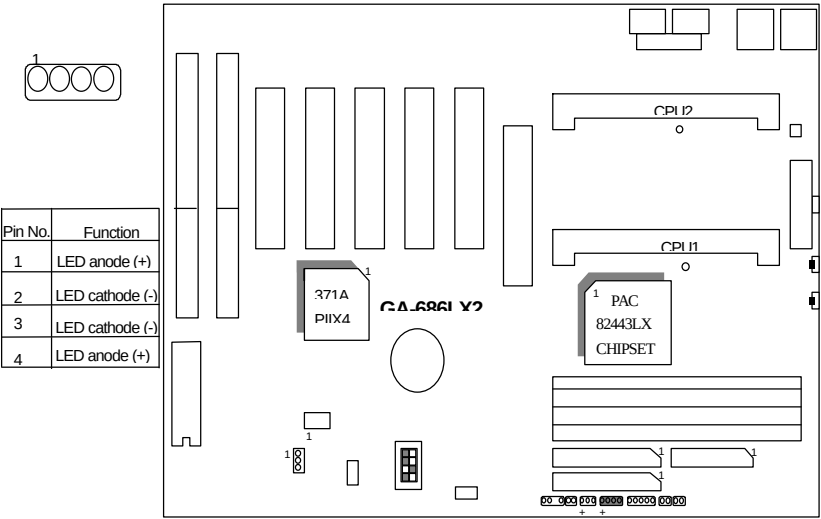
 For Hardware
 Reset System



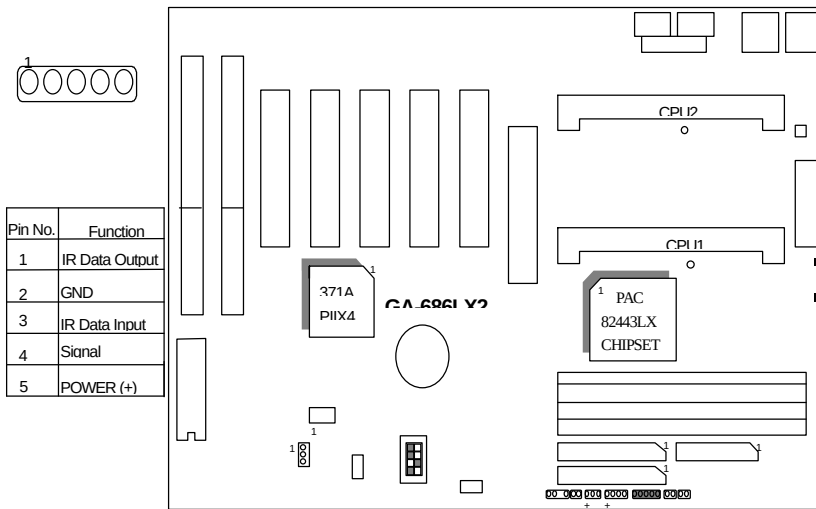
PWR : Power LED



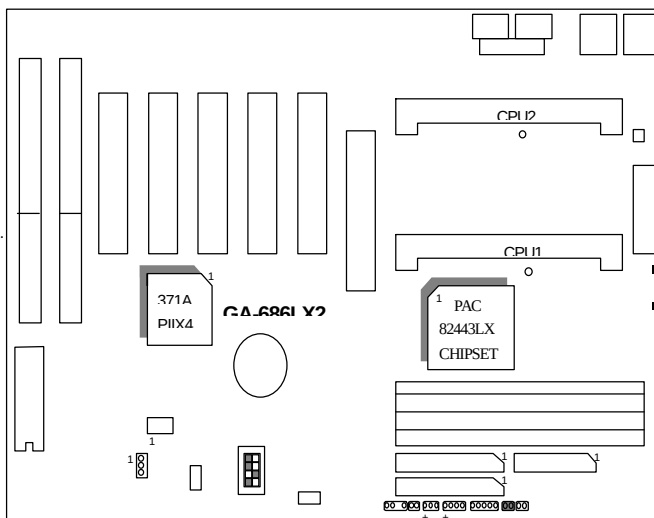
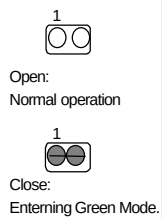
HD : IDE Hard Disk Active LED



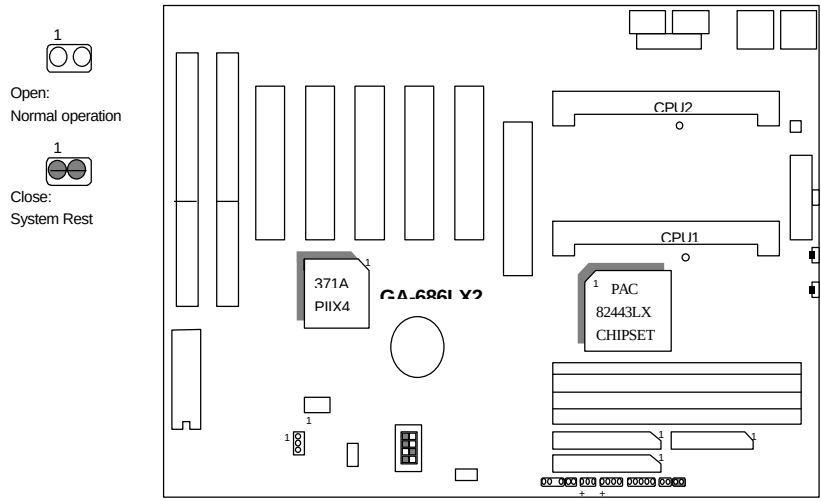
IR : Infrared Connector



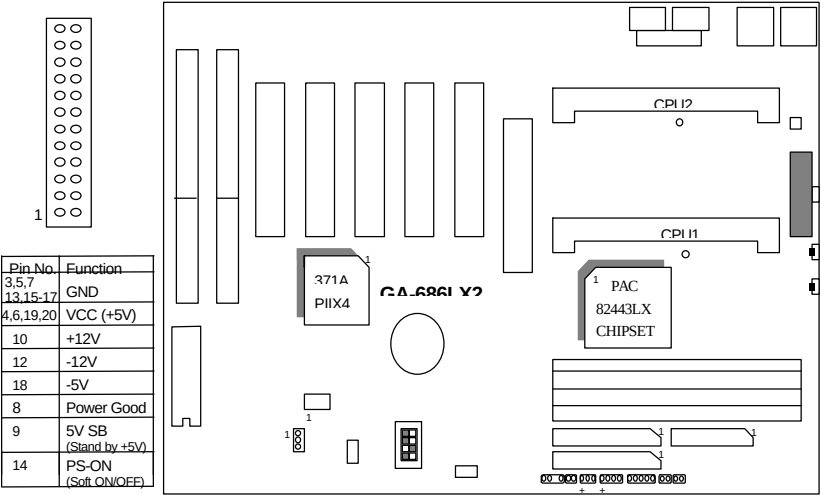
GN : Green Function Switch



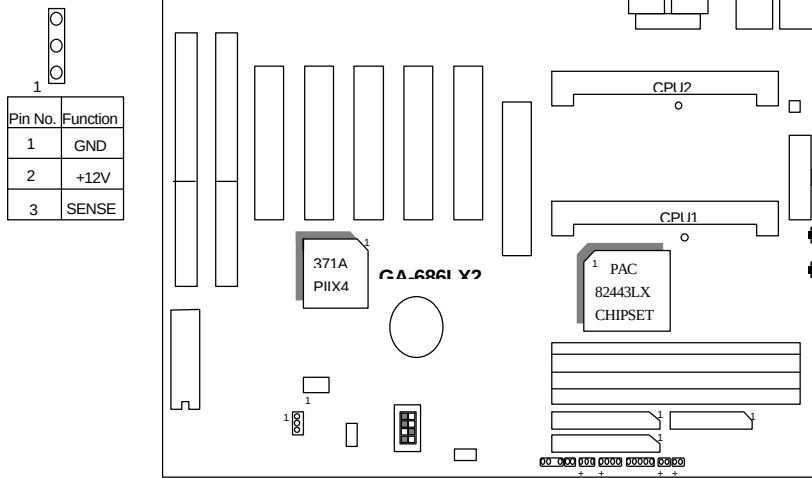
Soft PWR : Soft Power Connector



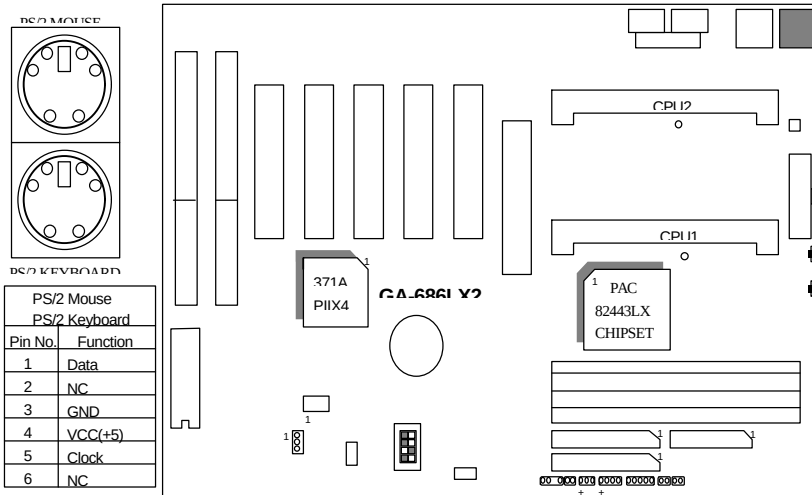
POWER : Power Connector



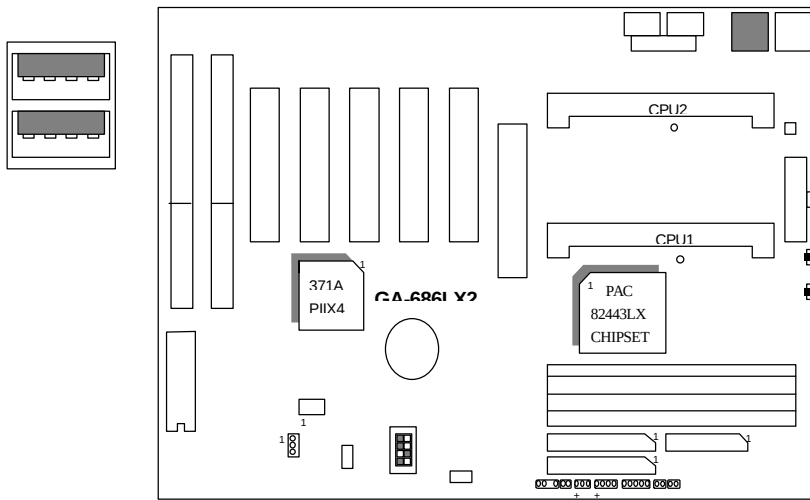
J1 & J2 : CPU Colling Fan Power Connector



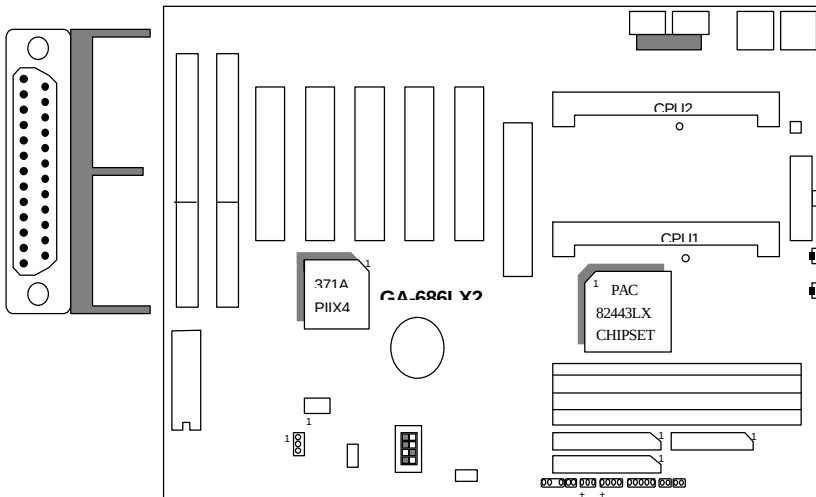
J3 : Keyboard Connector & PS/2 Mouse



CN1 : USB Port

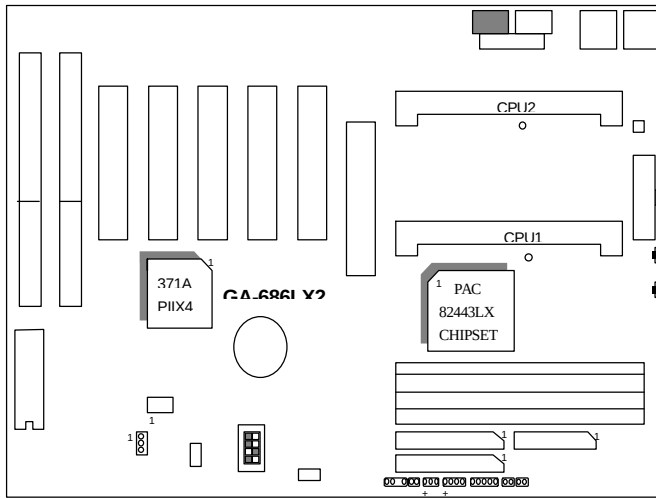


J5: LPT PORT



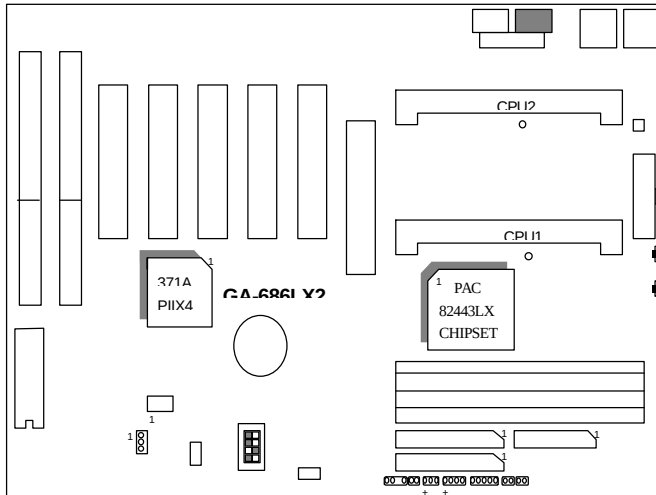
JP3: COM A

COM A

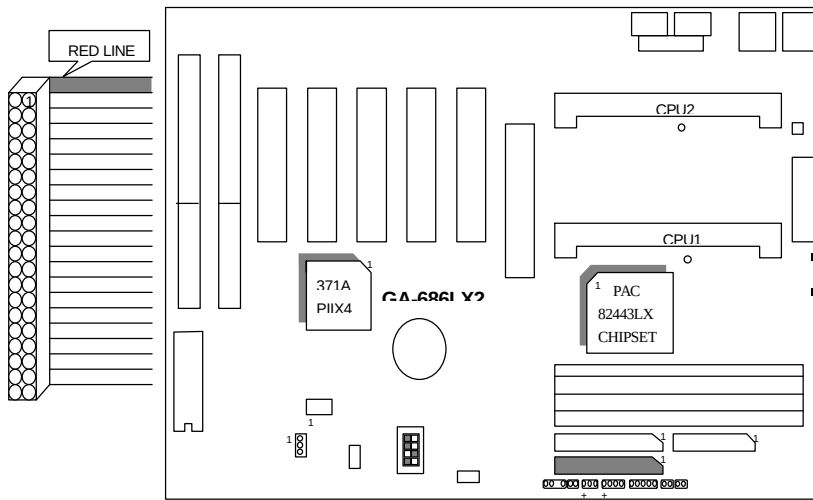


JP2: COM B

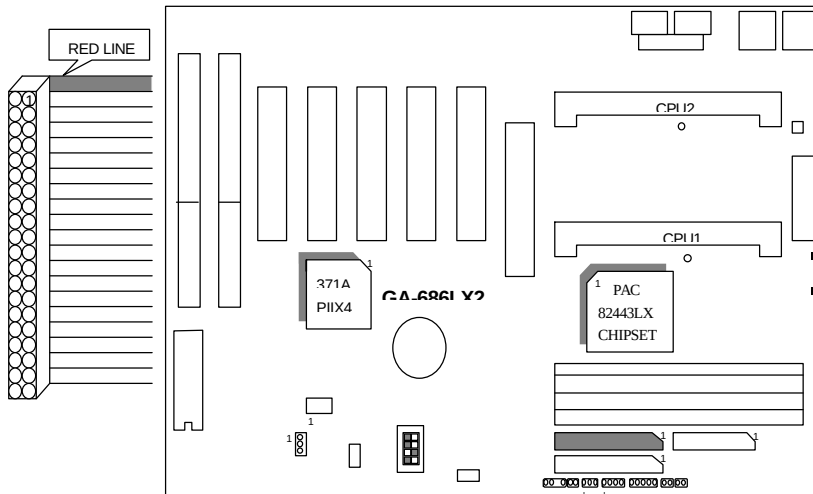
COM B



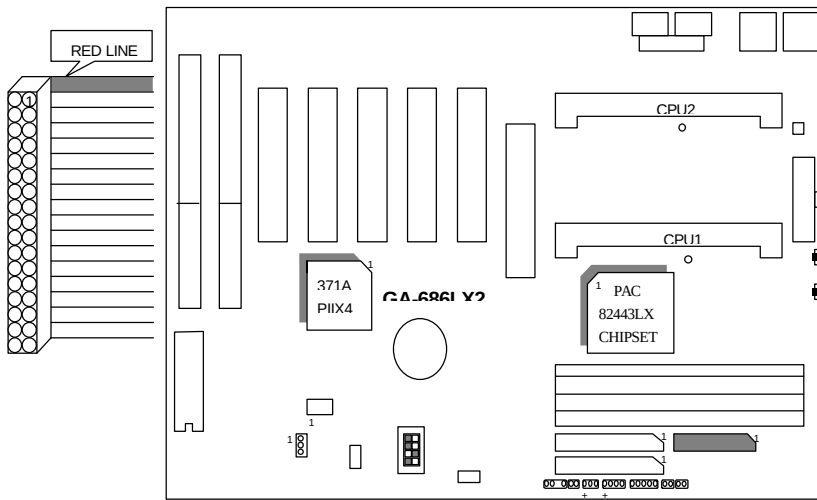
IDE1: For Primary IDE port



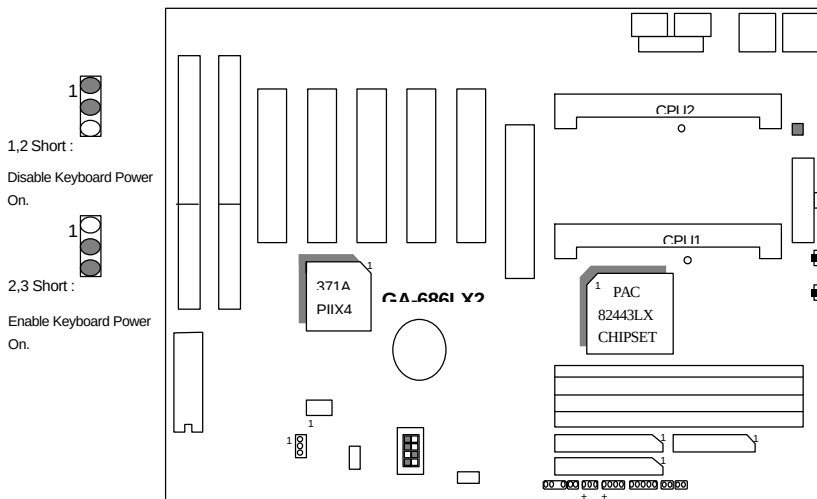
IDE2: For Secondary IDE port



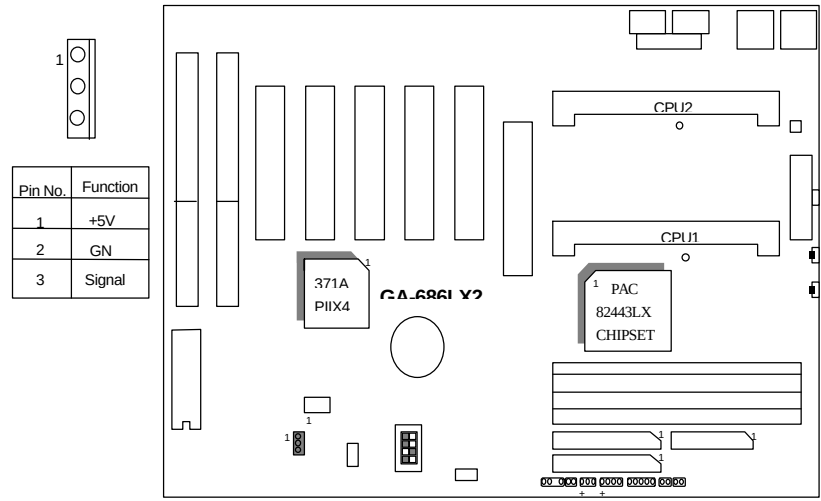
J5 : FLOPPY PORT



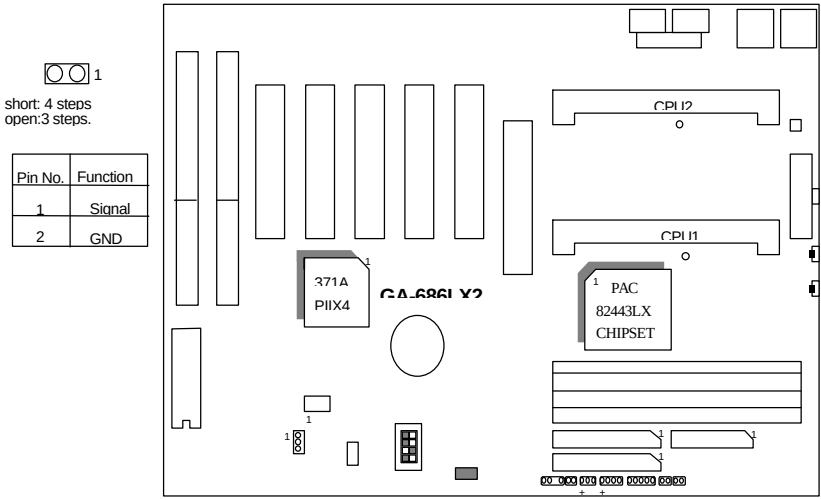
JP1 : Keyboard Power On

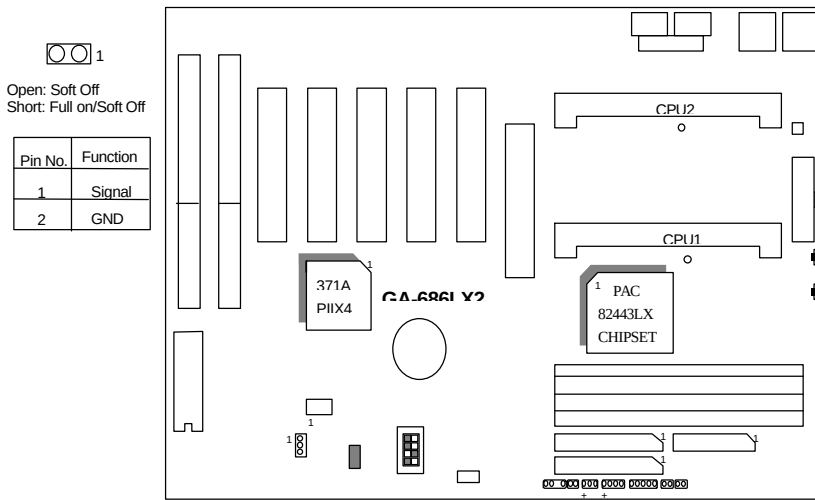


JP9: Wake on Lan

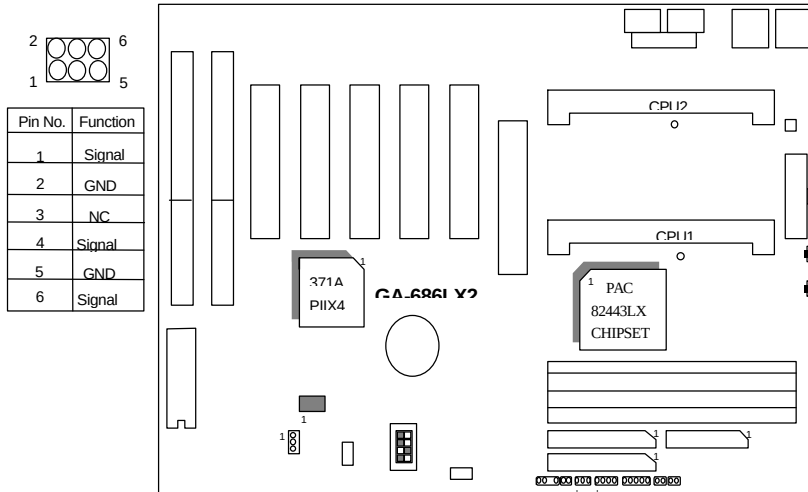


JP7: ACPI LED Selection





JP8: 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
CHIPSET FEATURES SETUP
AWARD SOFTWARE, INC.

Auto Configuration	: Enabled	Slow Down CPU Dntv Cvcle	: Normal
DRAM Speed Selection	: Fast	Alarm When Overheat	: Disabled
Memorv Buffer Strength	: Middle	CPU1 Fan Failure Control	: Disabled
DRAM Data Integrity Mode	: Non-ECC	CPU2 Fan Failure Control	: Disabled
Video RAM Cacheable	: Disabled	CPU Fan Status	: OK
16 Bit I/O Recovery	: 1	CPU Temperature	: OK
Memorv Hole At 15M-16M	: Disabled	Power Supply +12V	: OK
Delaved Transaction	: Disabled	Power Supply -12V	: OK
SDRAM RAS-to-CAS Delav	: Fast	Power Supply +5V	: OK
SDRAM RAS Precharge Time	: Fast	Power Supply -5V	: OK
SDRAM CAS latencv Time	: 2	Battery Status	: OK
CPU1 Temperature Protect	: Enable	CPU VCore Voltage	: 2.8V
CPU1 Temperature Select	: 70   158  	ESC : Quit i     : Select Item F1 : Help PU/PD/+/- : Modify F5 : Old Values (Shift)F2 : Color F7 : Load Setup Defaults	
CPU2 Temperature Select	: 70   158  		