

GA – 686LX3

USER'S MANUAL

1. **System power on by PS/2 Mouse:** 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 1 ampere 5V Stand-By function, you can power on your system by entering password from keyboard.
3. **Supports 3 steps ACPI LED**

Pentium[®] II Processor MAINBOARD

REV. 1.0 Second Edition

Release Date 98.1.15

R-10-01-080123

The author assumes no responsibility for any errors or omissions that may appear in this document nor does it make a commitment to update the information contained herein.

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January 14, 1998 Taipei, Taiwan

I. Quick Installation Guide:**CPU SPEED SETUP**

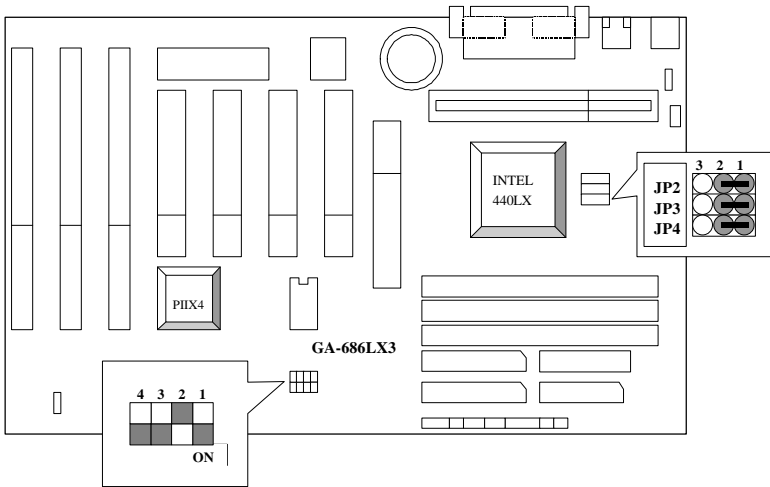
The default system bus speed is fixed to 66.6MHz. The user can change the DIP SWITCH (**SW**) selection to set up the CPU speed for 200 - 366MHz processor.

The CPU speed MUST match with the frequency RATIO. It will cause system hanging up if the frequency RATIO is higher than that of CPU.

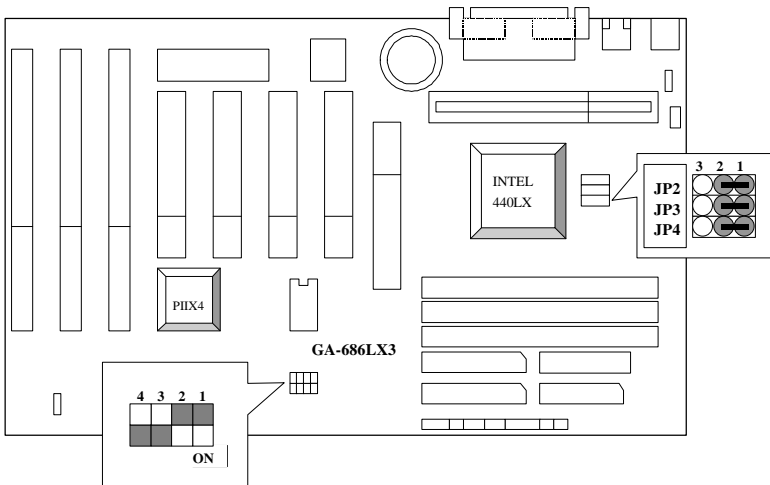
DIP SWITCH (SW)				FREQ. RATIO	EXT.CLK. MHz	INT.CLK. MHz	CPU Type
1	2	3	4				
ON	OFF	ON	ON	3	66	200	Pentium® II 200 MHz
OFF	OFF	ON	ON	3.5	66	233	Pentium® II 233 MHz
ON	ON	OFF	ON	4	66	266	Pentium® II 266 MHz
OFF	ON	OFF	ON	4.5	66	300	Pentium® II 300 MHz
ON	OFF	OFF	ON	5	66	333	Pentium® II 333 MHz
OFF	OFF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

Main Clock	JP4	JP3	JP2
66 MHz	1-2	1-2	1-2

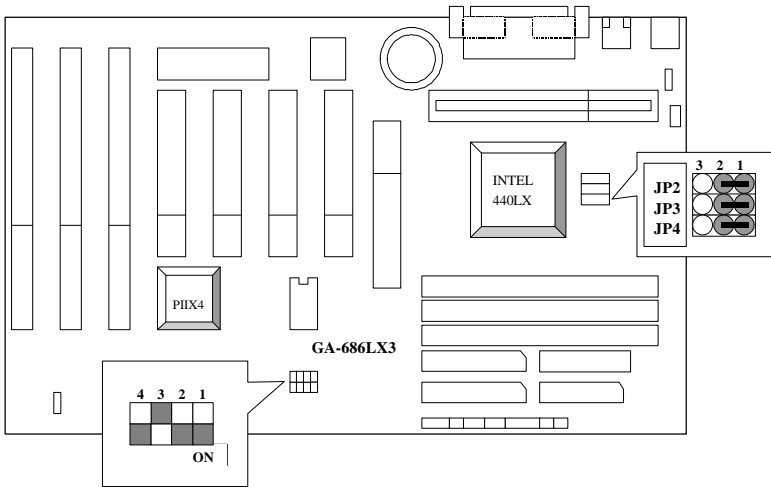
1. Pentium® II 200 MHz



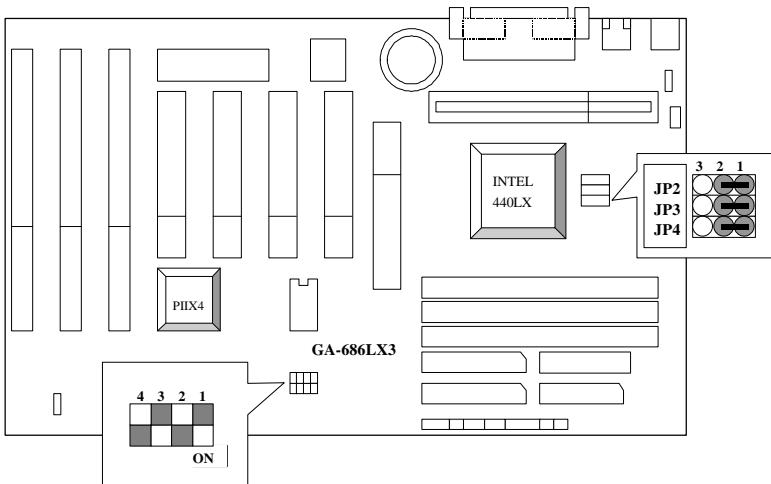
2. Pentium® II 233 MHz



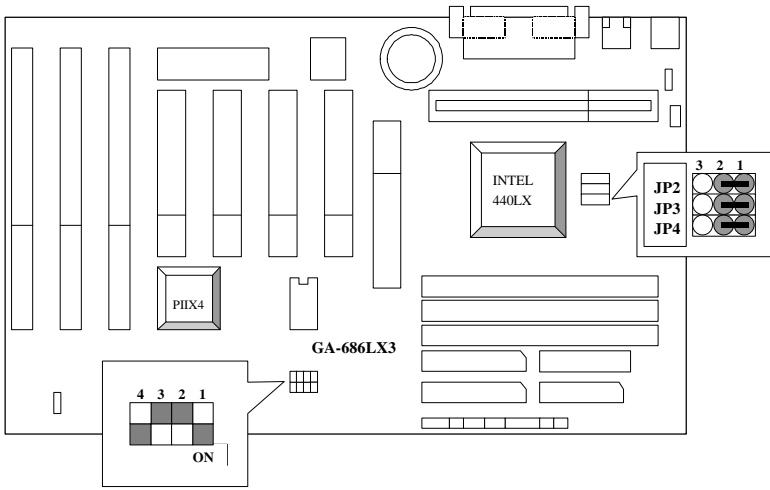
3. Pentium® II 266 MHz



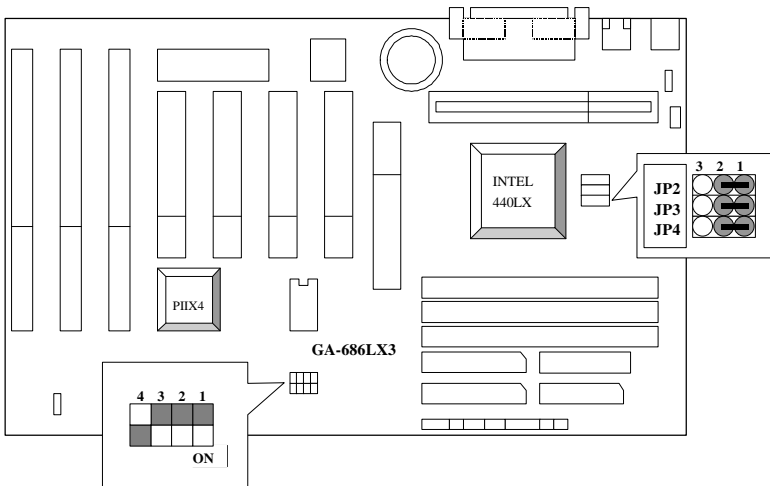
4. Pentium® II 300 MHz



5. Pentium® II 333 MHz

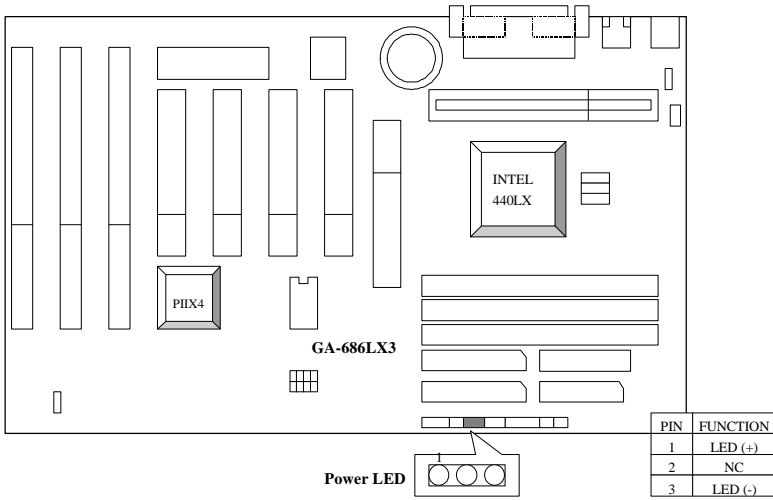


6. Pentium® II 366 MHz

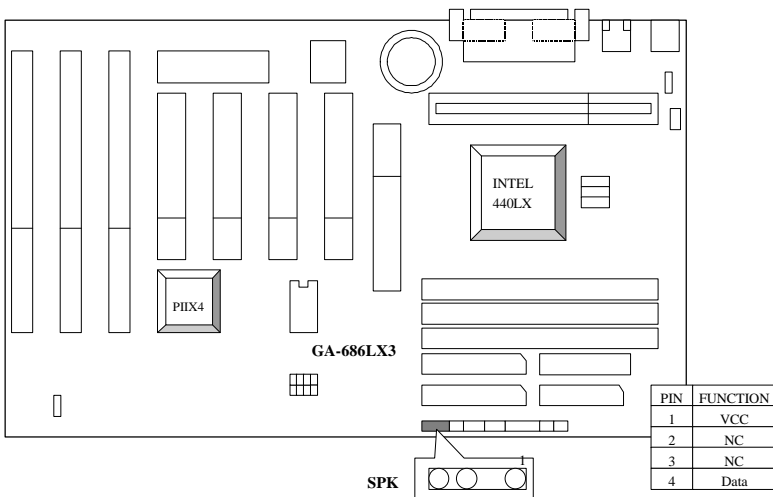


II. Jumper setting :

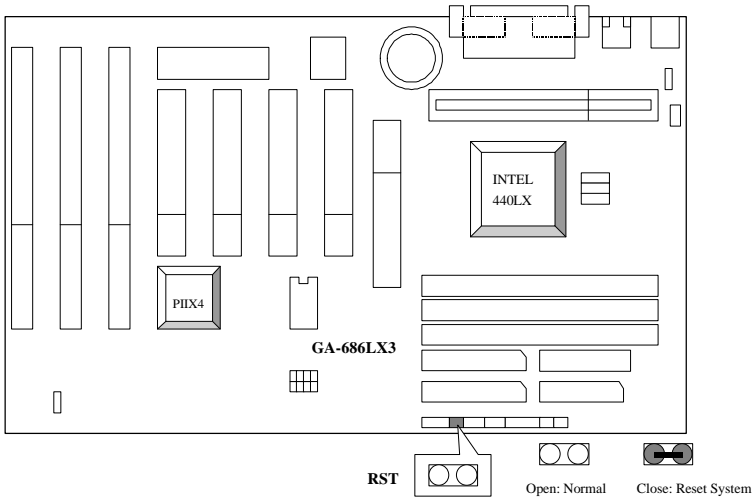
PWR : Power LED Connector



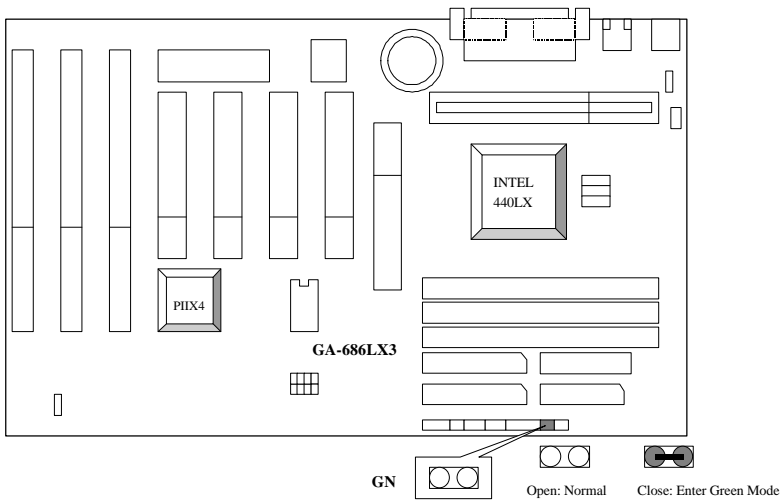
SPK : Speaker Connector



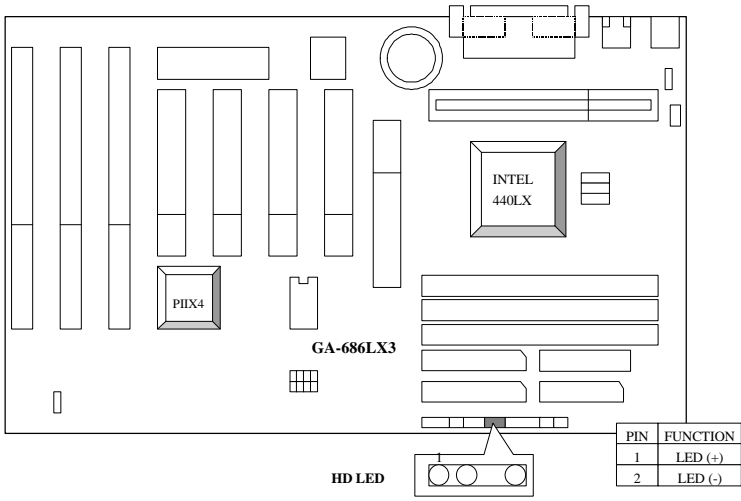
RST : Reset Switch



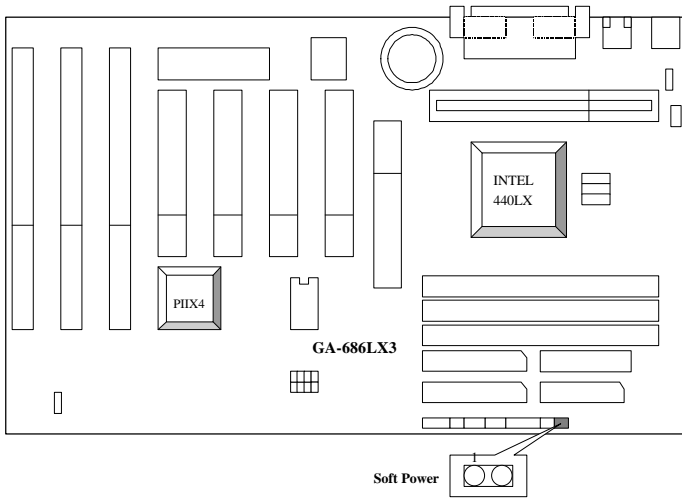
GN : Green Function Switch



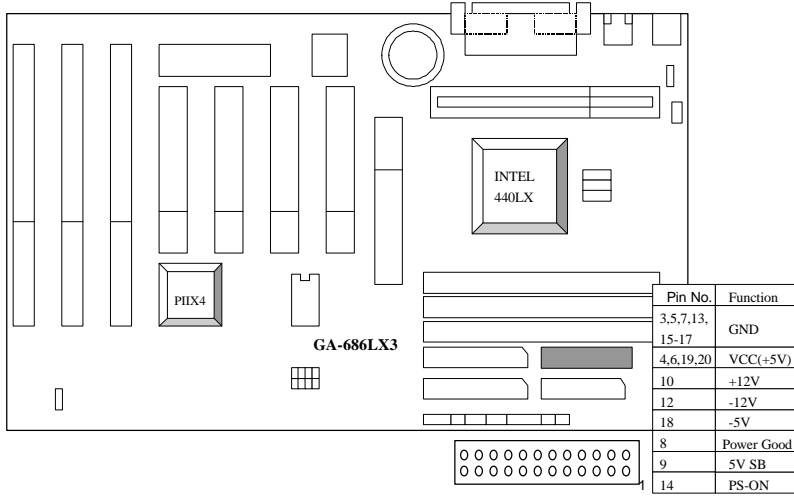
HD : IDE Hard Disk Active LED



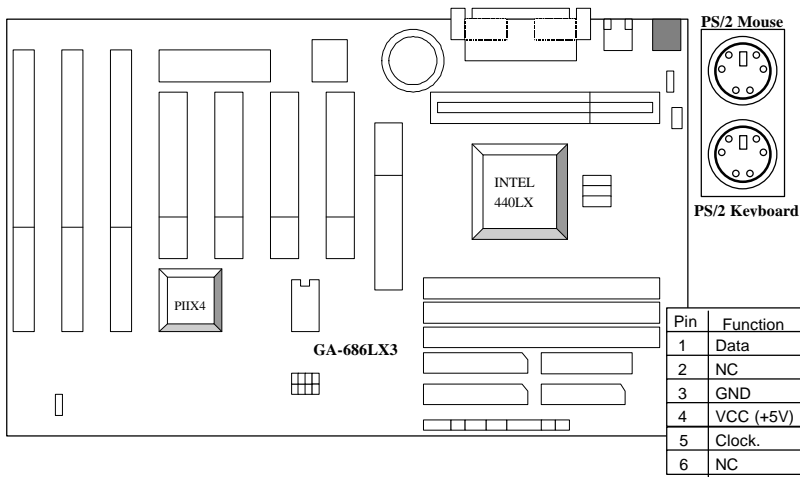
Soft PWR : Soft Power Connector



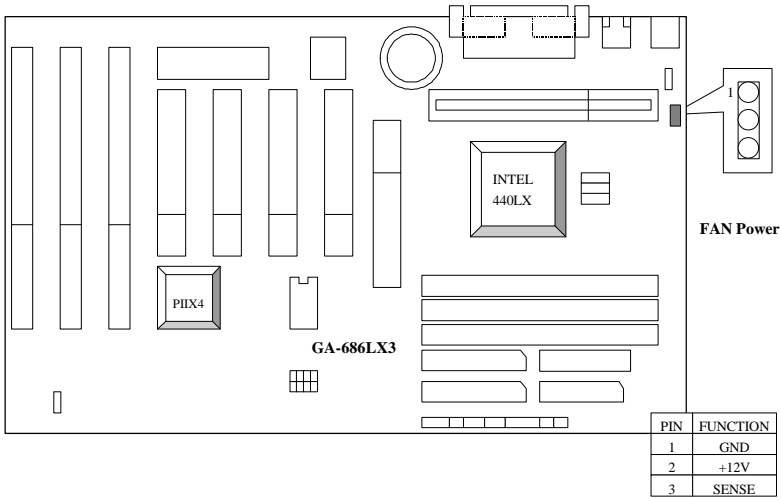
POWER : Power Connector



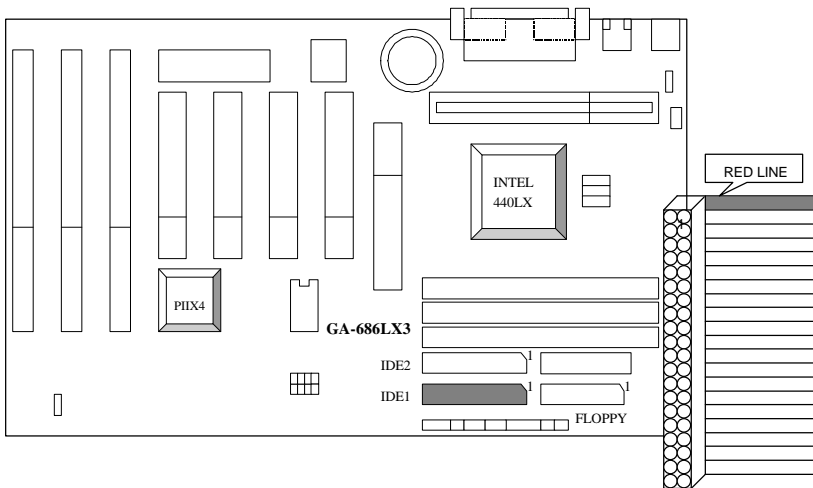
PS/2 Mouse / Keyboard Connector



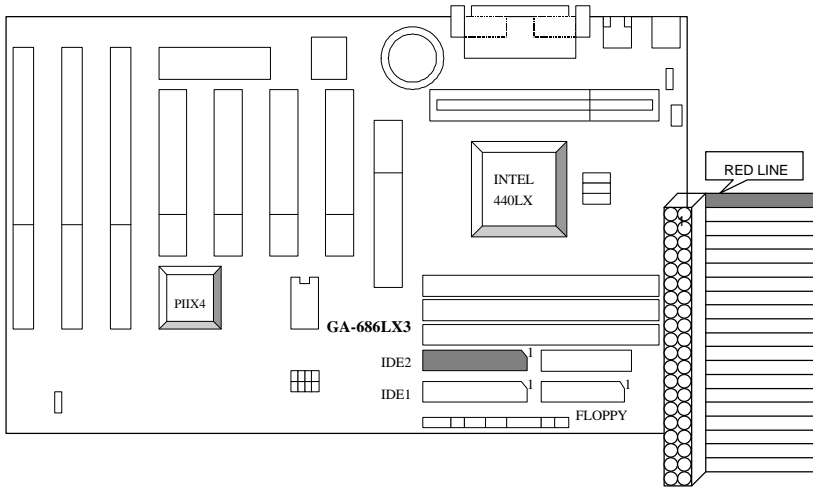
J2 : CPU Cooling Fan Power Connector



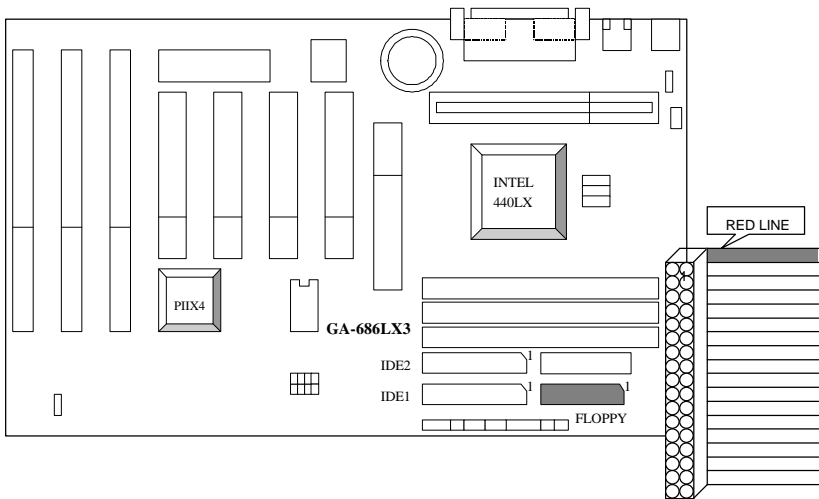
IDE1: For Primary IDE port



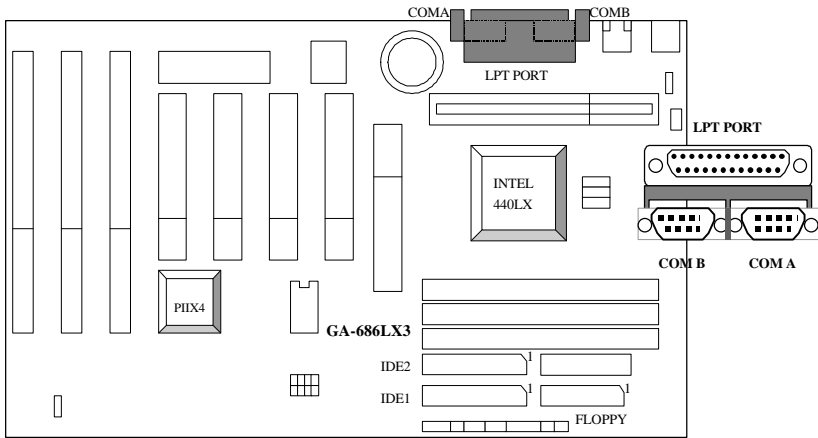
IDE2: For Secondary IDE port



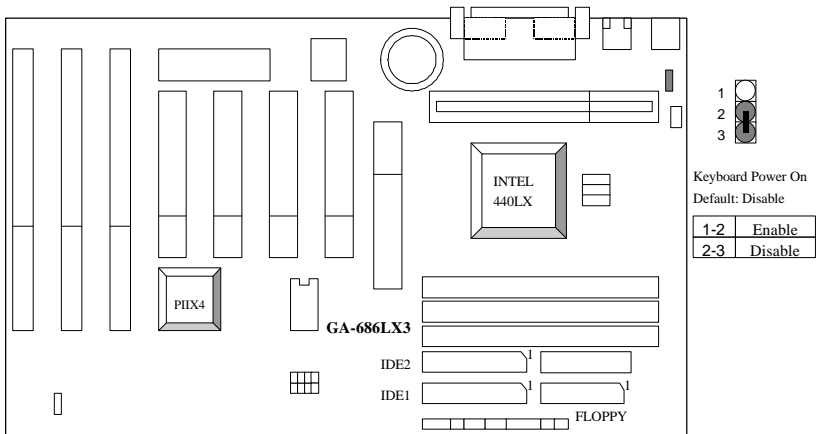
J7 : FLOPPY PORT



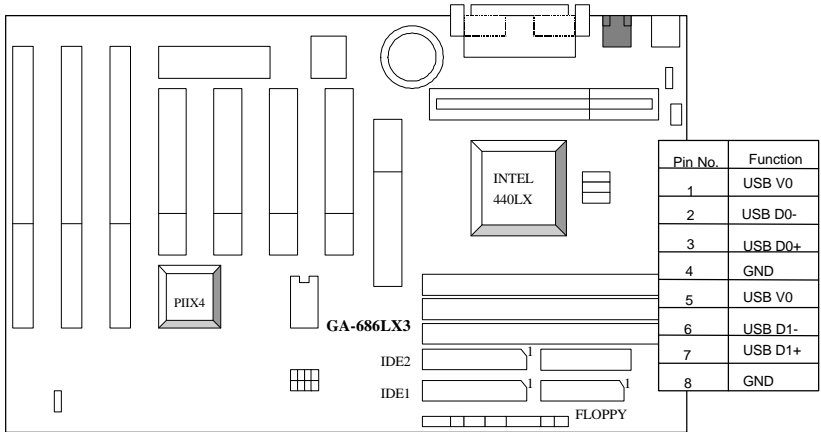
LPT PORT / COM A / COM B



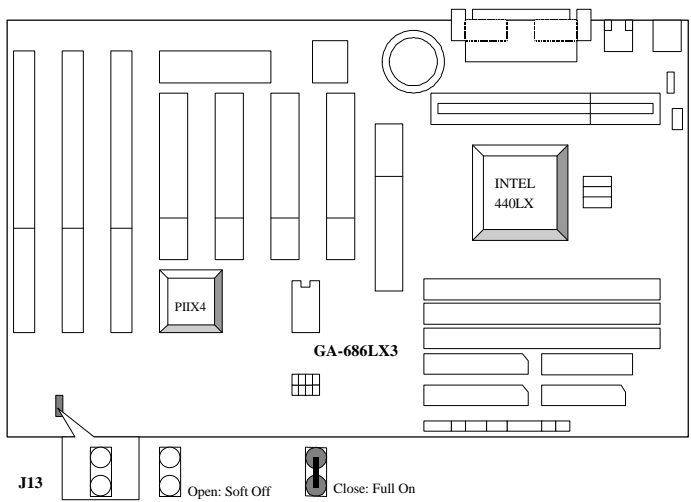
JP1 : Keyboard Power On Selection



CN1: USB Port



J13: ATX Power Control Selection



III. Top Performance Test Setting:

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

ROM BIOS / ISA BIOS CHIPSET FEATURES SETUP AWARD SOFTWARE INC.	
Auto Configuration	: Enabled
DRAM Speed Selection	: Fast
Memory Buffer Strength	: Middle
DRAM Data Integrity Mode	: Non-ECC
Video RAM Cacheable	: Disabled
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
ESC - Quit i O # C : Select Item F1 - Help DEL/DIR/... : Modify F5 - Old Value /SRV/... : Color F7 - Load Setup Defaults	