

6VX

USER'S MANUAL

- 1. Wake-Up on LAN. (on JP10) (The ATX power supply supports larger than 720 mA 5V Stand-By current)**
- 2. Support Modem Ring-On. (Include internal Modem and external modem on COM A and COM B)**

Pentium[®] II Processor MAINBOARD
REV. 1.0 First Edition
R-01-01-081002

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Oct 02, 1998 Taipei, Taiwan

I. Quick Installation Guide :

CPU SPEED SETUP

The system bus speed is selectable between 66 ~133 MHz. The user can select the system bus speed (**JP2,JP3,JP4,JP5,JP6**) 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 that of CPU.

SW:

| CLK RATIO | 1 | 2 | 3 | 4 |
|-------------|-----|-----|-----|----|
| X3 | ON | OFF | ON | ON |
| X3.5 | OFF | OFF | ON | ON |
| X4 | ON | ON | OFF | ON |
| X4.5 | OFF | ON | OFF | ON |
| X5 | ON | OFF | OFF | ON |
| X5.5 | OFF | OFF | OFF | ON |

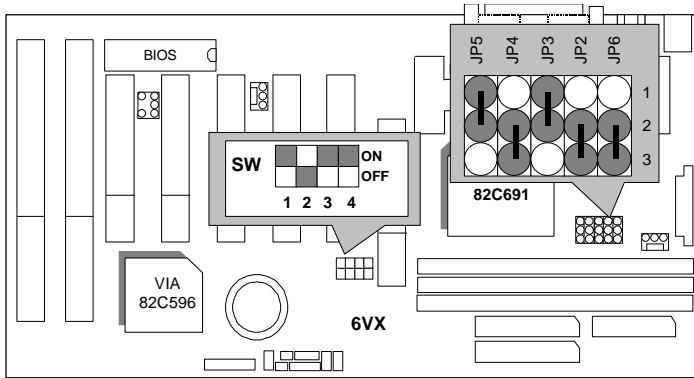
| CPU | PCI | AGP | JP5 | JP4 | SDRAM JP3 | | JP2 | JP6 |
|-----|-----|-----|-----|-----|-----------|-----|-----|-----|
| | | | | | 1-2 | 2-3 | | |
| 66 | 33 | 66 | 1-2 | 2-3 | 66 | 66 | 2-3 | 2-3 |
| 75 | 37 | 75 | 1-2 | 2-3 | 75 | 75 | 1-2 | 2-3 |
| 95 | 31 | 63 | 2-3 | 1-2 | 95 | 63 | 1-2 | 1-2 |
| 100 | 33 | 66 | 1-2 | 1-2 | 100 | 66 | 1-2 | 1-2 |
| 112 | 37 | 74 | 2-3 | 2-3 | 112 | 74 | 2-3 | 1-2 |
| 124 | 41 | 82 | 2-3 | 2-3 | 124 | 82 | 1-2 | 1-2 |
| 133 | 44 | 88 | 2-3 | 1-2 | 133 | 88 | 2-3 | 1-2 |

- We don't recommend you to setup your system speed to 75, 95, 112, 124 or 133MHz because these frequencies are not the standard specifications for CPU, Chipset and most of the peripherals. Whether your system can run under 75, 95, 112, 124 or 133MHz properly will depend on your hardware configurations: CPU, SDRAM, Cards, etc.

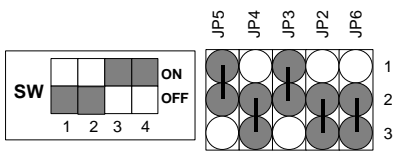
☞ JP3 (SDRAM) Set 1-2 short → depends on CPU frequency.

☞ JP3 (SDRAM) Set 2-3 short → depends on AGP frequency.

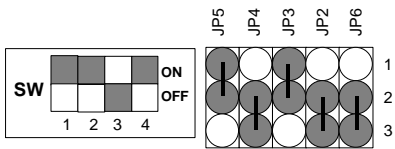
1. Pentium® II 200 / 66 MHz FSB



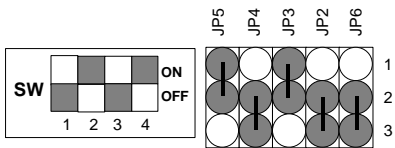
2. Pentium® II 233 / 66 MHz FSB



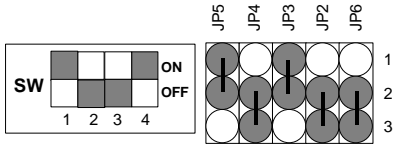
3. Pentium® II 266 / 66 MHz FSB



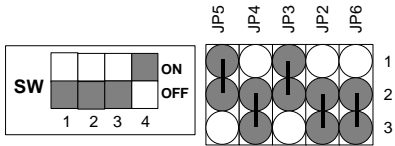
4. Pentium® II 300 / 66 MHz FSB



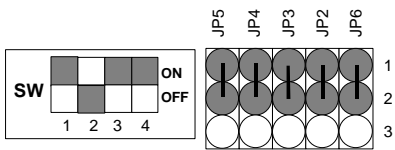
5. Pentium® II 333 / 66 MHz FSB



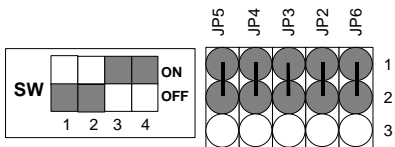
6. Pentium® II 366 / 66MHz FSB



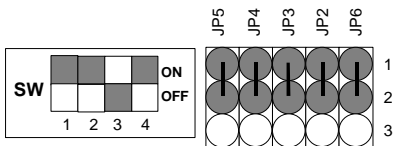
7. Pentium® II 350 / 100 MHz FSB



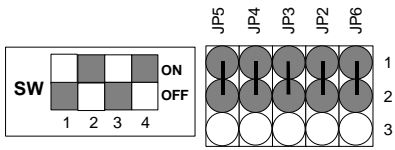
8. Pentium® II 400 / 100 MHz FSB



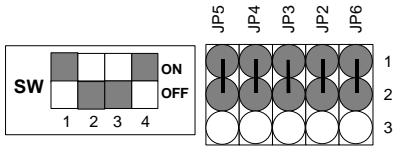
9. Pentium® II 450 / 100 MHz FSB



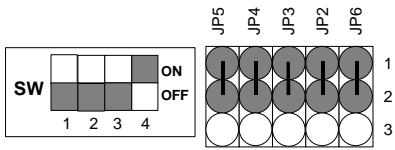
10. Pentium® II 450 / 100 MHz FSB



11. Pentium® II 500 / 100 MHz FSB

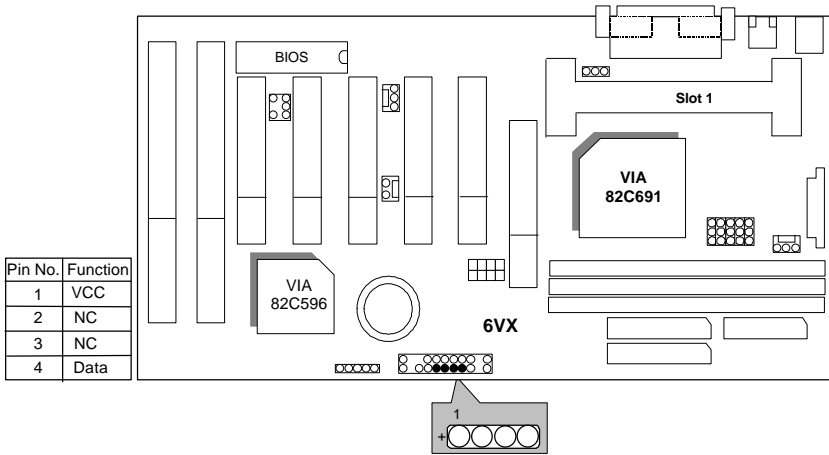


12. Pentium® II 550 / 100 MHz FSB

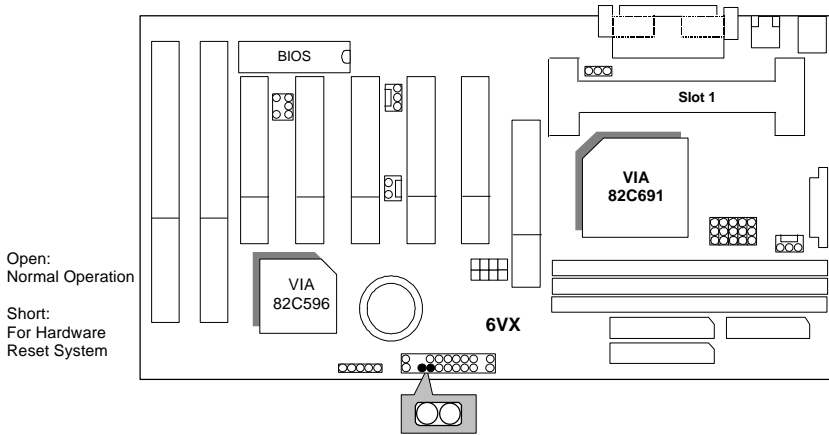


II. Jumper setting :

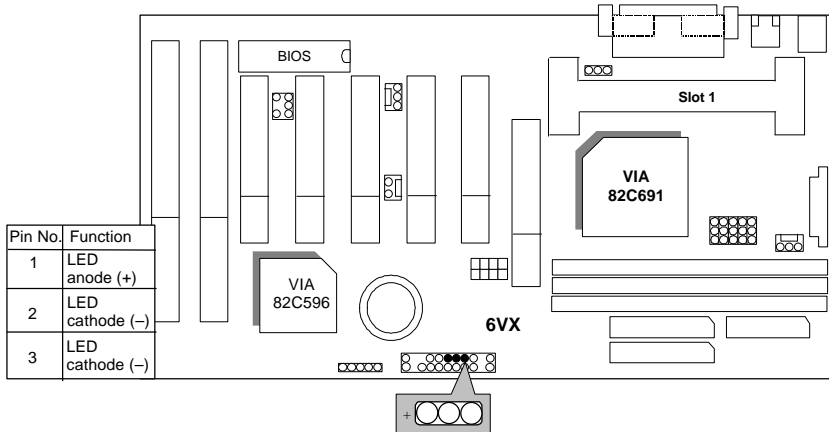
SPK : Speaker Connector



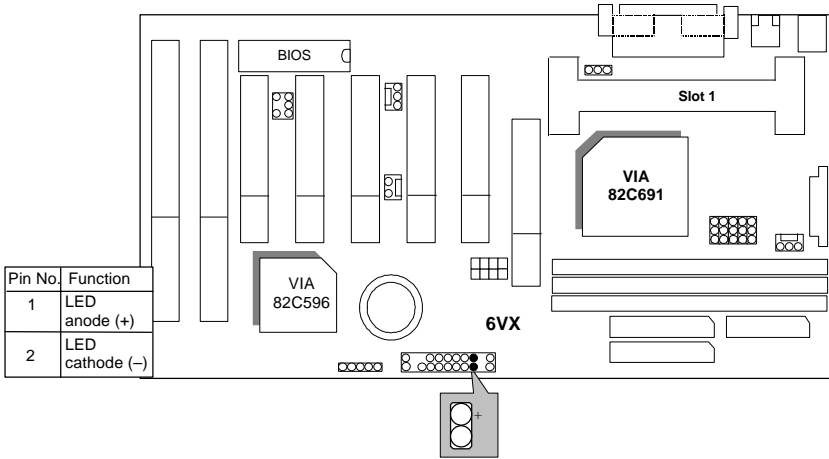
RST : Reset Switch



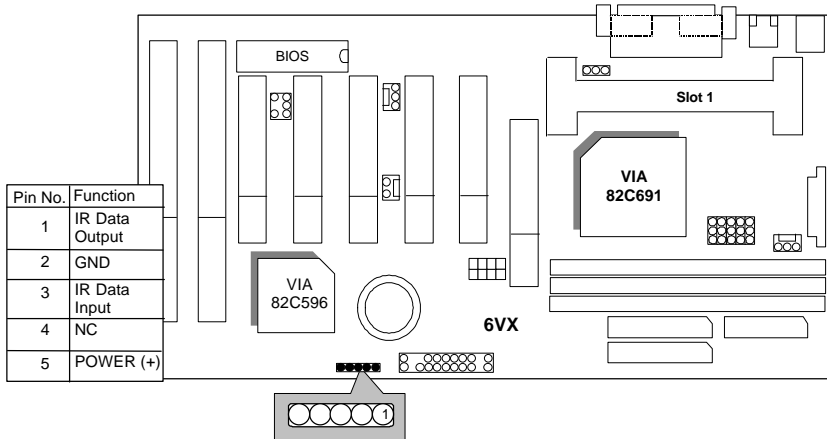
PW LED : Power LED Connector



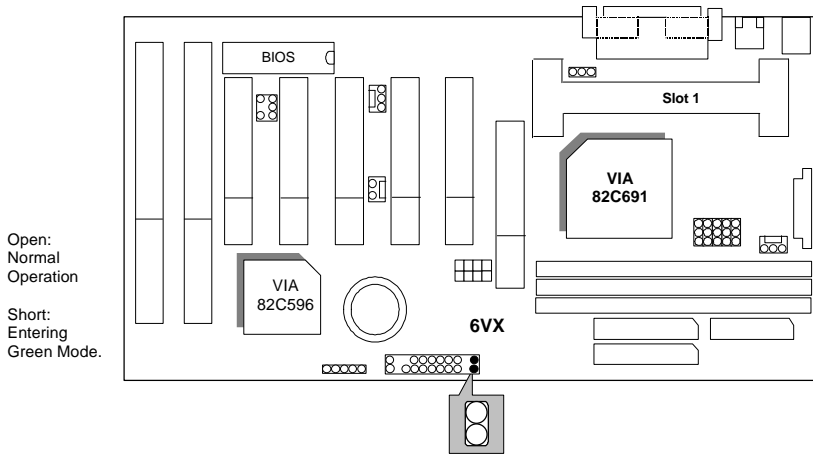
HD : IDE Hard Disk Active LED



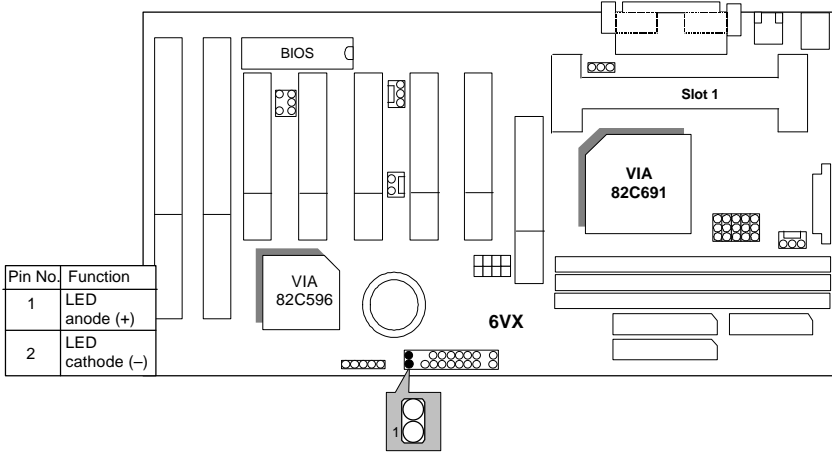
IR : Infrared Connector (Optional)



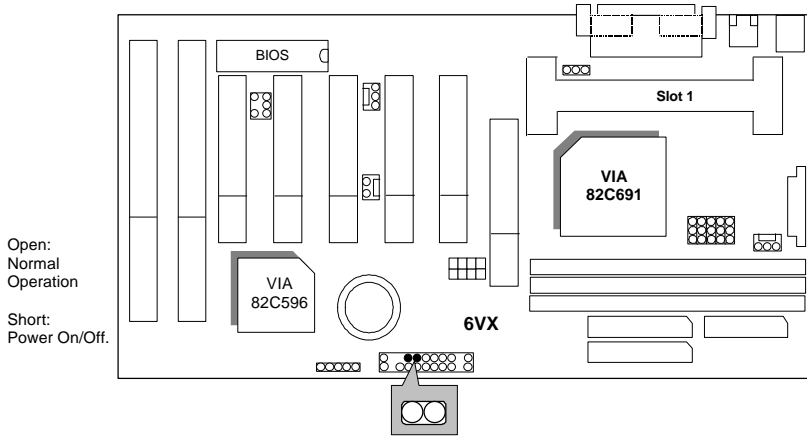
GN : Green Function Switch



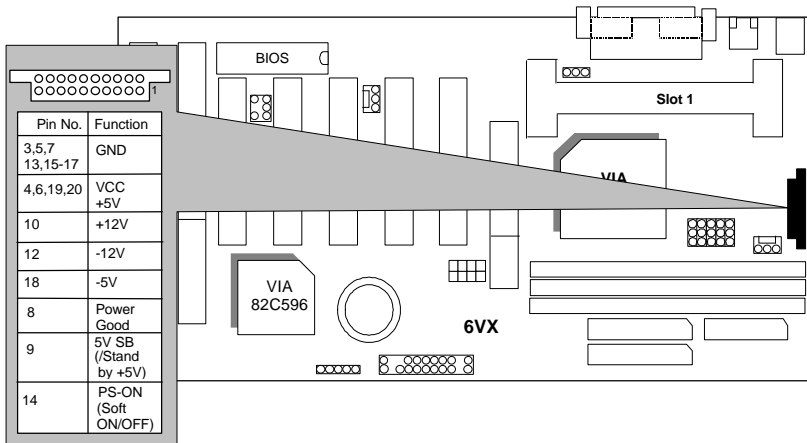
GD : Green LED



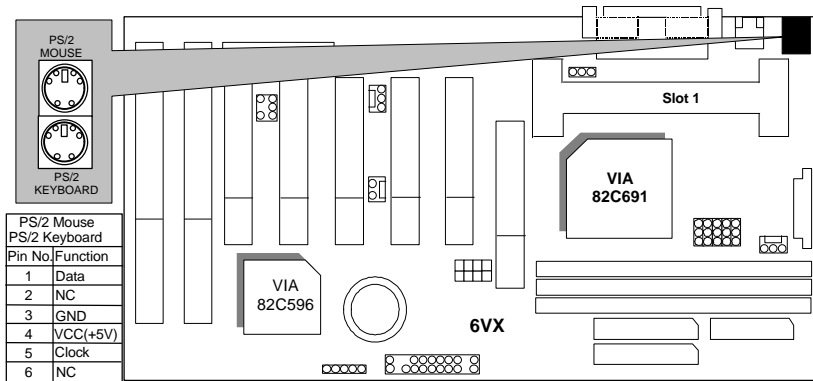
Soft POWER : Soft Power Connector



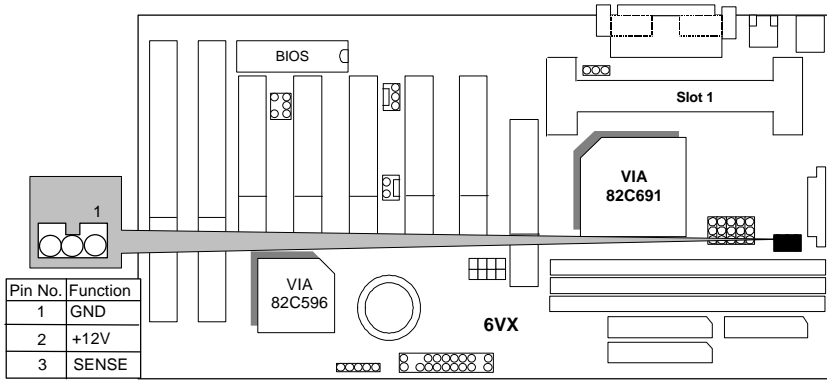
POWER1 : Power Connector



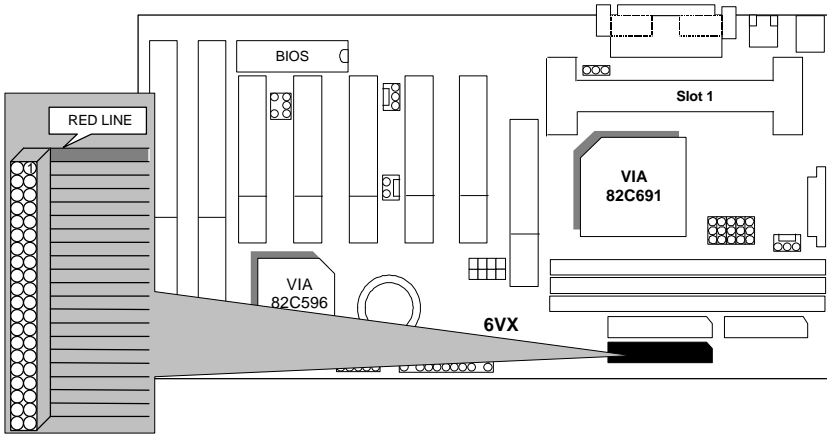
PS/2 Mouse / Keyboard Connector



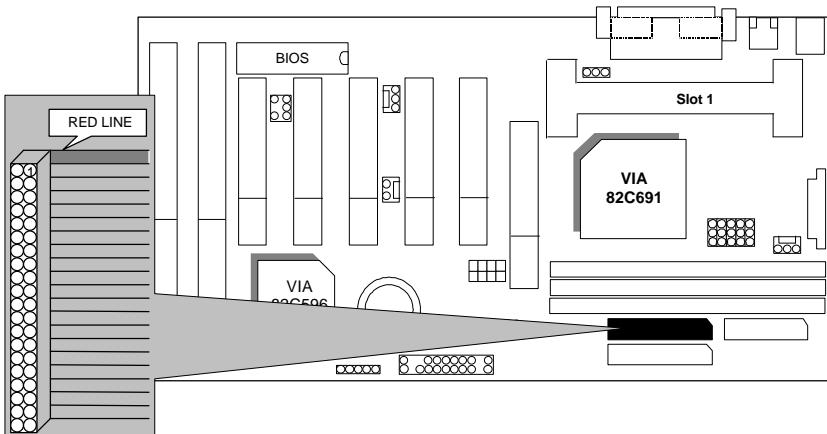
PWR FAN : CPU Cooling Fan Power Connector



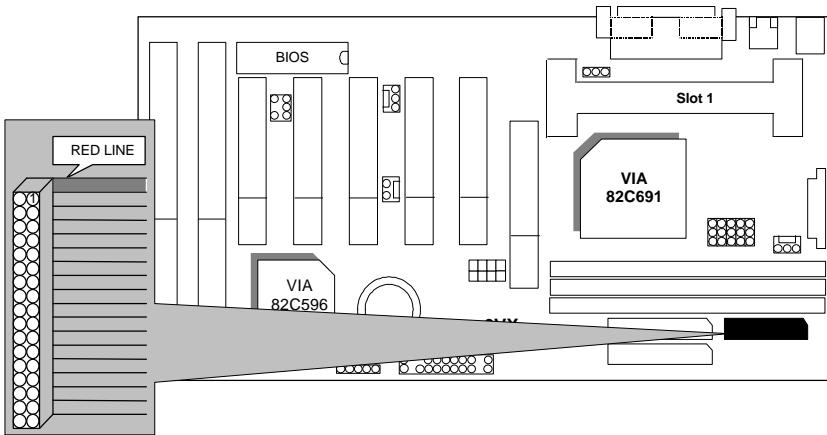
IDE1: For Primary IDE port



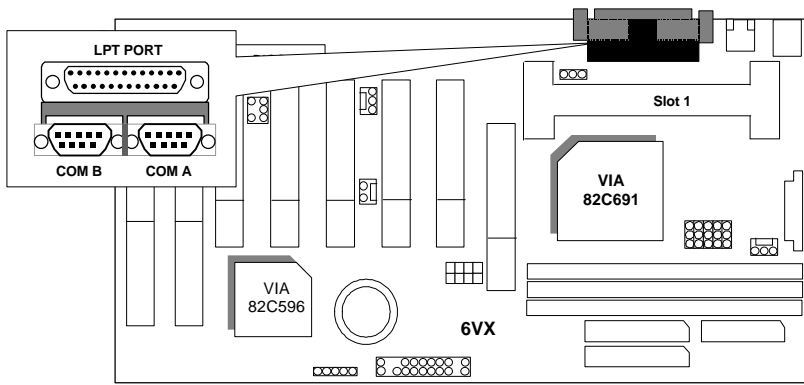
IDE2: For Secondary IDE port



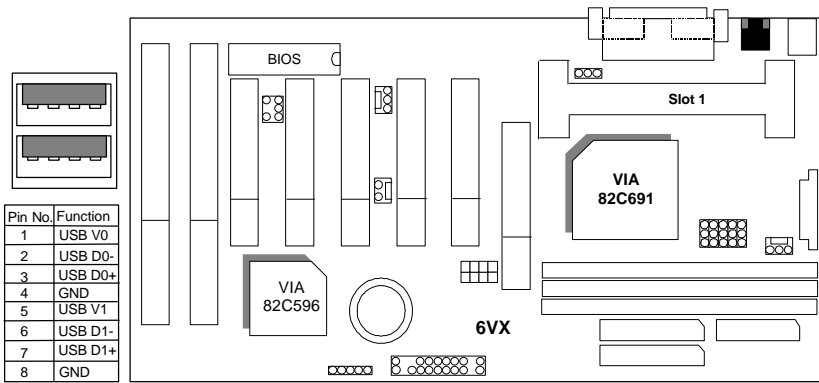
FLOPPY : FLOPPY PORT



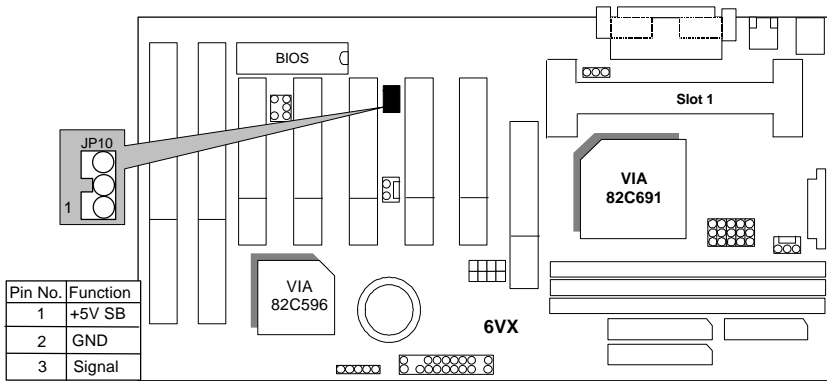
LPT PORT / COM A / COM B



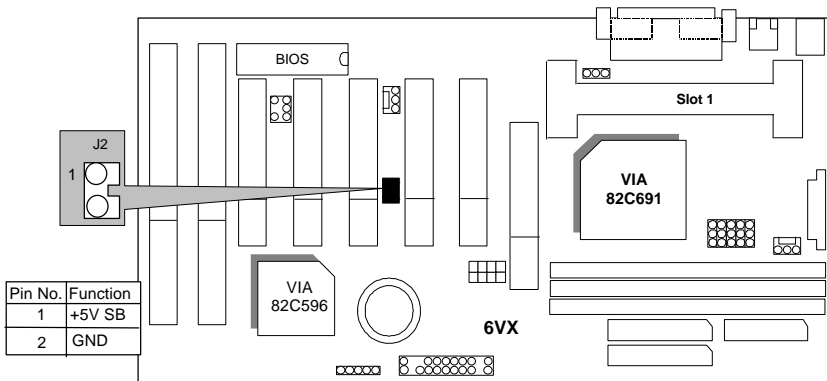
USB : USB Port



JP10: Wake On LAN

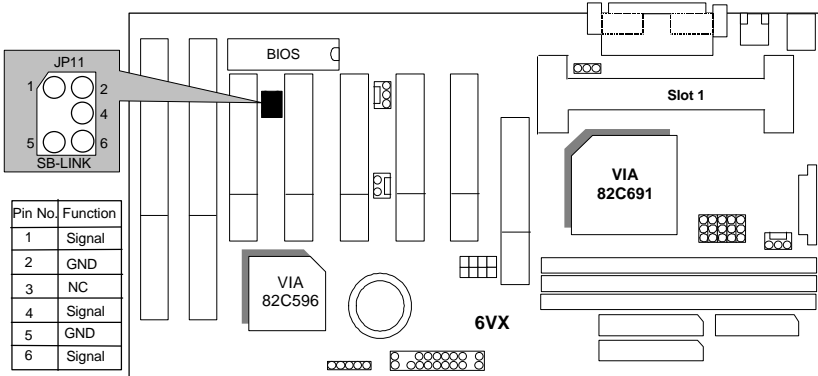


J2: RING POW On

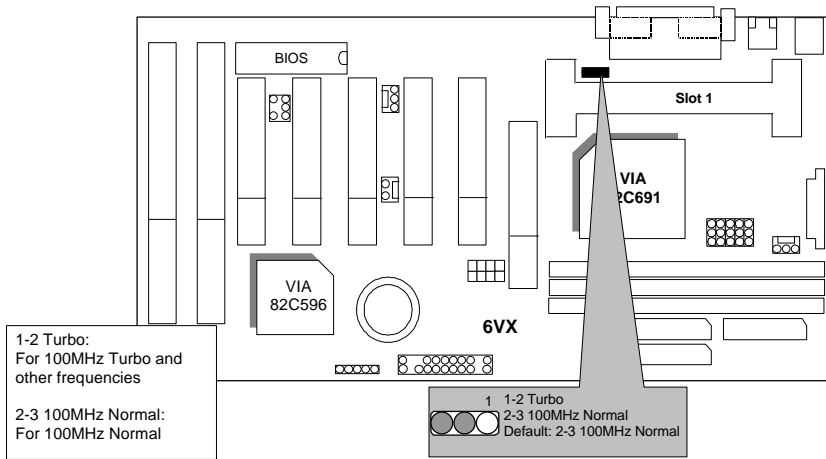


JP11:SB-LINK Port

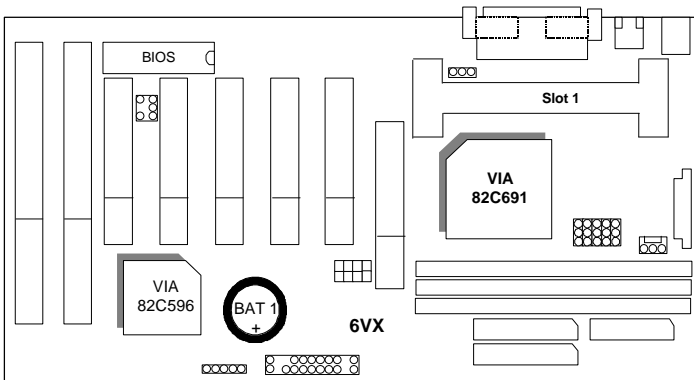
(🔊) Not support Creative SB-Link PCI sound)



JP7 : System Acceleration



BAT1 :BATTERY

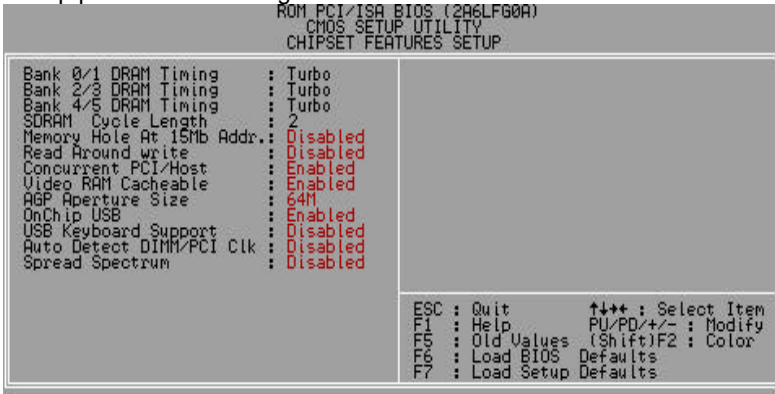


Danger of explosion if battery is incorrectly replaced.
Replace only with the same or equivalent type recommended by the manufacturer.
Dispose of used batteries according to the manufacturer's instructions.

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.



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 Pentium® II processor
- DRAM 128 MB SDRAM (TOSHIBA TC59S6408FTL-80H)
- CACHE SIZE 512 KB included in CPU
- DISPLAY ATI 3D RAGE PRO 2X AGP Display Card (4MB SGRAM)
- STORAGE Onboard IDE (IBM DHEA-38451)
- O.S. Windows 98
- DRIVER ATI Display Driver 5.20a
1024X768X64K colors 75Hz
Direct X6 for Windows98
VIA BUS Master IDE Driver 2.9

| Processor | Intel Pentium® II | |
|-------------------|-------------------|-----------------|
| | 333MHz(66x5) | 350MHz(100x3.5) |
| Winbench98 | | |
| CPU mark32 | 835 | 920 |
| FPU Winmark | 1720 | 1800 |
| Business Disk | 1390 | 1370 |
| Hi-End Disk | 4080 | 3890 |
| Business Graphics | 150 | 167 |
| Hi-End Graphics | 169 | 192 |
| Winstone98 | | |
| Business | 25.1 | 26.8 |