# Quick Jumper Setting Reference

If you are familiar with most of the material in this chapter, you can prepare the mainboard for installation by using this quick reference to set the jumpers. A detailed description of the jumper settings appears later in this chapter.

### JP1: Clear BIOS jumper

Use this jumper to clear the system BIOS.

| Function | Jumper Setting |
|----------|----------------|
| Normal operation | Short pins 1-2 |
| Clear BIOS | Short pins 2-3 |

### JP2: BIOS flash protect jumper

Use this jumper to protect the system BIOS from being accidentally flashed (updated).

| Function | Jumper Setting |
|----------|----------------|
| Protect | Short |
| Unprotect | Open |

### JP3: Keyboard power on jumper

Use this jumper to enable the keyboard to power on the computer.

| Function | Jumper Setting |
|----------|----------------|
| Enable | Short pins 1-2 |
| Disable | Short pins 2-3 |

### JP4: CPU frequency select jumper

Use this jumper to force a CPU that has a 66 MHz frontside bus (FSB) to run at a 100 MHz FSB speed.

| Function | Jumper Setting |
|----------|----------------|
| Auto | Short pins 1-2 |
| Force a 66 MHz FSB to run at 100 MHz FSB | Short pins 2-3 |

**JP4**

1  2  3

*Note: The CPU speed is determined by the CPU Host/PCI Clock speed multiplied by the CPU Clock Ratio. Refer to the Frequency Control Option in Chapter 3 for more information.*

*Forcing the CPU to run at a higher clock speed then it was rated for is called overclocking and is not recommended.*

### JP6: CPU frequency select jumper

Use this jumper to force a CPU that has a 100 MHz frontside bus (FSB) to run at a 133 MHz FSB speed.

| Function | Jumper Setting |
|----------|----------------|
| Auto | Short pins 1-2 |
| Force a 100 MHz FSB to run at 133 MHz FSB | Short pins 2-3 |

**JP6**

1  2  3

*Note: The CPU speed is determined by the CPU Host/PCI Clock speed multiplied by the CPU Clock Ratio. Refer to the Frequency Control Option in Chapter 3 for more information.*

*Forcing the CPU to run at a higher clock speed then it was rated for is called overclocking and is not recommended.*

### *Panel 1: Panel connectors for switches and indicators*

Use the panel connector to implement the switches and indica-
tors on your system case.

| Function | Pins |
|----------|------|
| Power switch | 22, 23 |
| Hard disk LED Indicator | +20, -21 |
| Empty pin | 19 |
| Speaker | +15, -16, 17, 18 |
| Empty pin | 14 |
| Reset switch | 12, -13 |
| Keyboard lock | 10, -11 |
| Green LED indicator | +7, +8, -9 |
| Empty pin | 6 |
| Sleep switch | 4, -5 |
| Power LED indicator | +1, +2, -3 |

PANEL1

23

Power Switch 22-23

HDD LED 20-21

Speaker 15-16-17-18

Reset Switch 12-13

KeyLock 10-11

Green LED 7-8-9

PANEL1

Sleep Switch 4-5

Power LED 1-2-3

1

*Note: The plus sign (+) indicates a pin which must be connected
to a positive voltage.*