

## P6VPA2 Jumper Setting Reference

### Quick Jumper Setting Reference

#### **JP1: Clear CMOS jumper**

Use this jumper to clear the contents of the CMOS memory. You may need to clear the CMOS memory if the settings in the BIOS Setup Utility are incorrect and are preventing your mainboard from operating. To clear the CMOS memory, disconnect all the power cables from the mainboard and then move the jumper cap into the Clear CMOS memory setting for a few seconds. CMOS is cleared.

Return the jumper cap to the Normal operation setting. Reconnect the power cables and start the system. When the POST starts, press the delete key to start the BIOS Setup Utility and reload BIOS optimal settings. Refer to Chapter 3 for information on BIOS.

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



**Note:** Before clearing the BIOS, ensure that AC power is not connected.

#### **JP6: CPU frequency select jumper**

This jumper enables you to force the CPU to clock at a higher frequency than it is rated. Short pins 2 and 3 to force the CPU to run at a 100 MHz FSB instead of a 66 MHz FSB. We recommend that you leave the jumper on the normal operation setting.

Function	Jumper Setting
Normal	Short pins 1-2
Force 66 MHz FSB to run at 100 MHz FSB.	Short pins 2-3



**JP7: CPU frequency select jumper**

This jumper enables you to force the CPU to clock at a higher frequency than it is rated. Short pins 2 and 3 to force the CPU to run at a 133 MHz FSB instead of a 100 MHz FSB. We recommend that you leave the jumper on the normal operation setting.

Function	Jumper Setting
Normal	Short pins 1-2
Force 100 MHz FSB to run at 133 MHz FSB	Short pins 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 than it was rated for is called overclocking and is not recommended.

**JP8: BIOS Flash protect jumper**

Use this jumper to enable or disable the BIOS flash protection on the mainboard. You should disable this jumper when you want to flash the BIOS.

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



**PANEL1: Panel connectors for switches and indicators**

Use the panel connector to implement the switches and indicators on your system case.

**Panel connectors for switches and indicators**

Function	Pins	PANEL1	
Power switch	22, 23		
Hard disk LED Indicator	+20, -21		Power Switch 22-23
Empty pin	19		HDD LED 20-21
Speaker	+15, -16, 17, 18		Speaker 15-16-17-18
Empty pin	14		
Reset switch	12, -13		Reset Switch 12-13
Keyboard lock	10, -11		KeyLock 10-11
Green LED indicator	+7, +8, -9		Green LED 7-8-9
Empty pin	6		
Sleep switch	4, -5		Sleep Switch 4-5
Power LED indicator	+1, +2, -3		Power LED 1-2-3

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