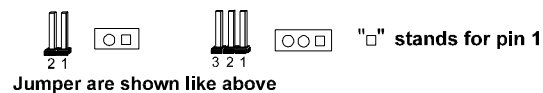


## Mainboard Settings

The PA-2002 has several user-adjustable jumpers on the board that allow you to configure your system to suit your requirements. This chapter contains information on the various jumper settings on your mainboard.

### Jumpers

Jumpers are used to select the operation modes for your system. Some jumpers on the board have three metal pins with each pin representing a different function. To “**set**” a jumper, a black cap containing metal contacts is placed over the jumper pin/s according to the required configuration. A jumper is said to be “**shorted**” when the black cap has been placed on one or two of its pins. The types of jumpers used in this manual are shown below:



Jumpers are shown like above



Jumpers are shown like above



Jumpers in a Block

**+ NOTE :** Users are not encouraged to change the jumper settings not listed in this manual. Changing the jumper settings improperly may adversely affect system performance.

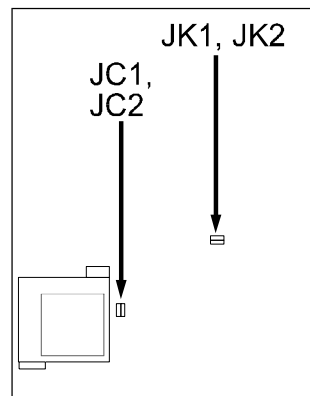
### ***CPU Speed Select: JK1, JK2***

The table below shows the jumper settings for the CPU based on its internal clock speed.



CPU Speed	External Clock	JK1	JK2	CPU Clock Rate		
				Int. Multiple	JC1	JC2
200 MHz	66 MHz			3 x Ext.		
166 MHz	66 MHz			2.5 x Ext.		
150 MHz	60 MHz			2.5 x Ext.		
133 MHz	66 MHz			2 x Ext.		
120 MHz	60 MHz			2 x Ext.		
100 MHz	66 MHz			1.5 x Ext.		
90MHz	60 MHz			1.5 x Ext.		
75 MHz	50 MHz			1.5 x Ext.		

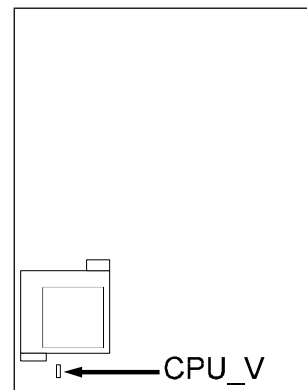
### ***Bus/CPU Clock Ratio: JC1, JC2***



Bus/CPU Clock Ratio	JC1	JC2
1/2		
1/3		
2/3		
2/5		

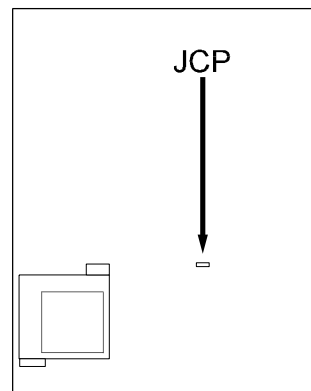


***CPU Voltage Mode Select: CPU\_V***

CPU Voltage Select	CPU_V
STD, VR 3.384V (Default)	
VRE 3.54V	

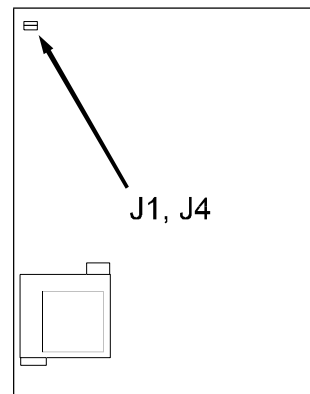
***Password Clear: JCP***

Password Clear	JCP
Enabled	
Disabled (Default)	

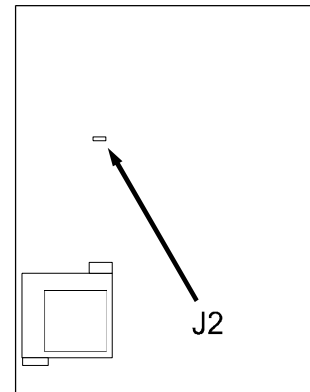


***Power Supply Select: J1, J4***

Power Supply Select	J1	J4
Software Power Supply	<input type="radio"/> <input type="checkbox"/>	<input type="radio"/> <input type="checkbox"/>
Normal Power Supply (Default)	<input type="checkbox"/> <input checked="" type="radio"/>	<input type="checkbox"/> <input checked="" type="radio"/>

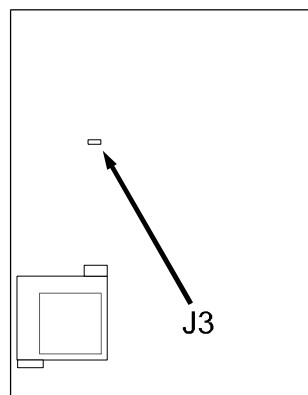
***Flash EPROM Type: J2***

Programmable Flash EPROM Type	J2
Intel 28F001BX-T	<input checked="" type="radio"/> <input type="checkbox"/>
SST 29EE010	<input type="radio"/> <input checked="" type="checkbox"/>

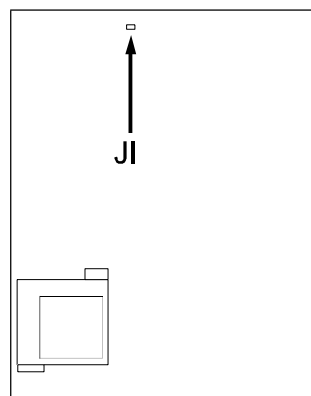


***TB\_LED Mode Select: J3***



TB_LED Mode Select	J3
Turbo LED (Default)	<input type="radio"/> <input type="checkbox"/>
Green Power LED	<input checked="" type="checkbox"/>

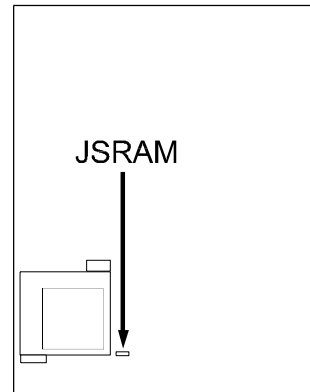
***LPT Direction: J1***



LPT Direction	J1
Output (Default)	<input type="radio"/> <input type="checkbox"/>
Bidirection	<input checked="" type="checkbox"/>

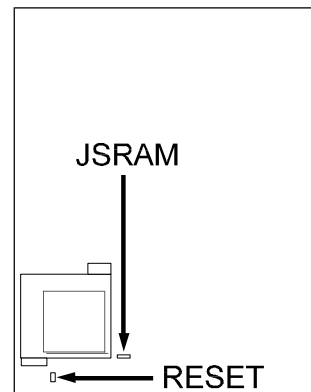


***SRAM Mode Select: JSRAM***

SRAM Mode Select	JSRAM
Asynchronous SRAM (Default)	
Synchronous SRAM	

***Hardware Reset: RESET***

Hardware Reset	RESET
Enabled	
Disabled (Default)	



**+ WARNING :** Before you install a Cyrix/IBM, the CPU's cooler model must be approved by Cyrix/IBM. Otherwise, your system may overheat. Please refer to your Cyrix/IBM CPU dealer for details.