

# 5EAS ONE SHEET MANUAL

This leaflet is meant to help you set the jumpers for your 5EAS Mainboard in order to boot the Mainboard. A manual that describes the possibilities of your board in more detail is included on the CD ROM that came with your 5EAS board. Please refer to Diagram 1 for the location of the relevant jumpers:

Diagram 1: Mainboard layout

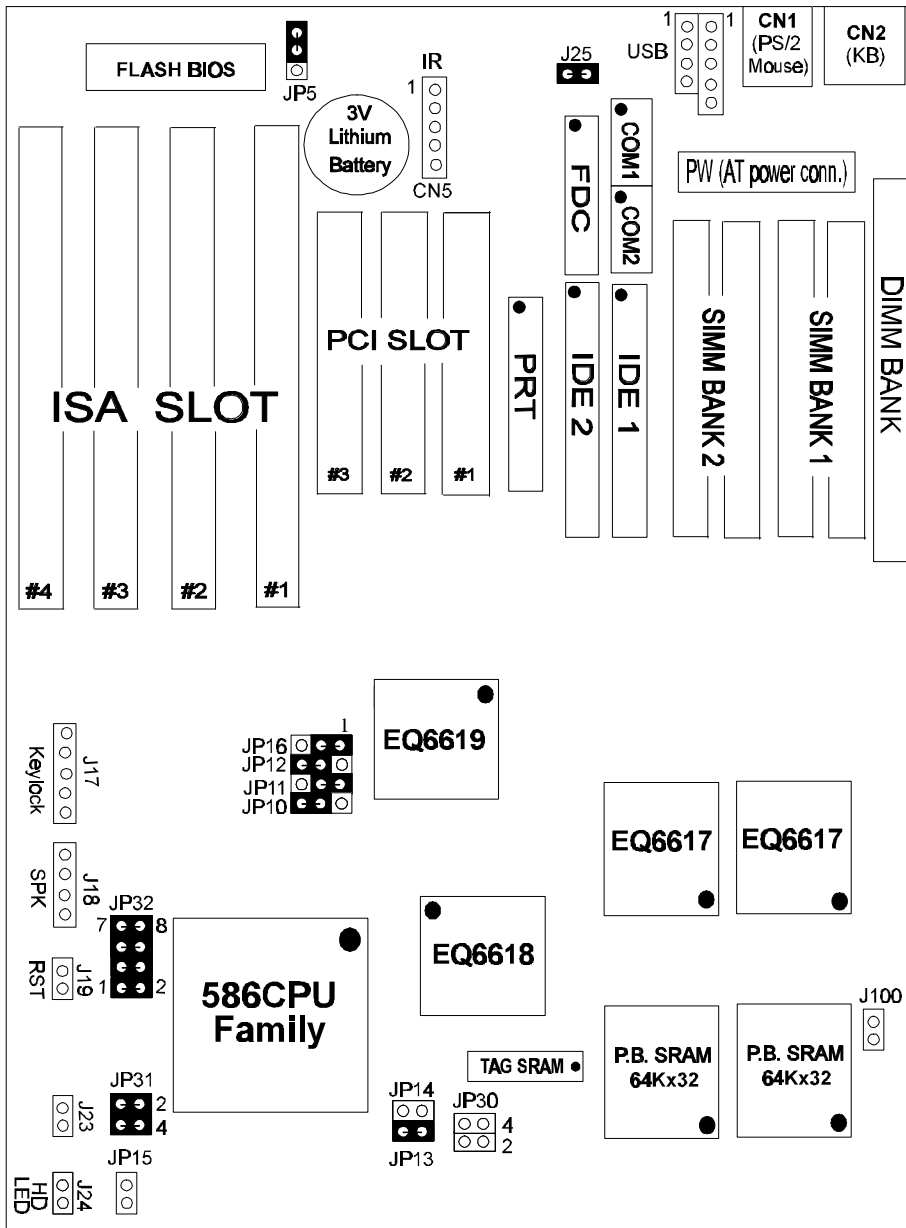


Table 1: Jumper settings for CPU voltage and frequency

Voltage Settings: JP32 (JP30, JP31)							CPU frequency settings: JP10, 11, 12 / JP13, 14, 15							
voltage	1-2	3-4	5-6	7-8	JP30	JP31	frequency:	JP10	JP11	JP12	multiplier	JP13	JP14	JP15
single 3.52V	close	close	close	close	open	close	50 MHz	2-3	2-3	2-3	1.5x	open	open	open
single 3.3V	close	close	open	close	open	close	55 MHz	2-3	2-3	1-2	2.0x	close	open	open
dual 3.2V	close	close	open	open	close	open	60 MHz	1-2	2-3	2-3	2.5x	close	close	open
dual 2.9V	close	open	open	close	close	open	66 MHz	2-3	1-2	2-3	3.0x	open	close	open
dual 2.8V	close	open	open	open	close	open	75 MHz	1-2	2-3	1-2	3.5x	open	open	open
dual 2.2V	open	open	close	open	close	open					4.0x	close	open	close
dual 2.1V	open	open	open	close	close	open					4.5x	close	close	close

Note: This table obtains the most recently updated CPU setting. Disregard those settings which are different from the table above in the CD.

**Table 2: Additional jumper settings**

<b>CMOS clear: JP5</b>		<b>PCI bus synchronous / asynchronous: J16</b>				<b>Sleep Switch connector: J23</b>			
Retain CMOS data (default)	1-2	PCI bus: synchronous		JP16 1-2		connect a switch to this jumper. Any IRQ will wake up the system.			
Clear CMOS data	2-3	asynchronous		2-3		<b>Reset: J19</b>		<b>HDD Led: J24</b>	
note: Set JP16 to 2-3 when 75 MHz bus clock is selected, for 50 and 55 set 1-2.						Connect the reset button to J19		connect the HDD led to J24	
<b>J100: Cyrix CPU linear burst enable</b>						<b>Speaker: J18</b>		<b>Powered: J17</b>	
Close this jumper when using a Cyrix CPU. Set the 'linear burst' item in the BIOS under 'chipset features' to enabled as well when setting this jumper. (default setting is disabled)						connect the speaker to J18		connect keylock & power led to J17	

**Table 3: Memory configurations**

	<b>SIMM BANK</b>		<b>DIMM BANK</b>		<b>Note!</b> Do not use FPM or EDO memory if you already use SDRAM type of memory.
	<b>BANK 0</b>	<b>BANK 1</b>	<b>DIMM</b>		
RAM Type	FPM / (B)EDO	FPM / (B)EDO	FPM / EDO /SDRAM		
Size	4/8/16/32/64	4/8/16/32/64	8/16/32/64/128		

**Table 4: Settings for various processors**

SETTINGS	CPU Frequency JP10, 11, 12 / JP 13, 14, 15									CPU voltage JP32 (JP 30, 31)							
	processor	bus clock	multiplier	JP10	JP11	JP12	JP13	JP14	JP15	voltage	1-2	3-4	5-6	7-8	JP30	JP31	
AMD K5 PR75	50 MHz	1.5x	2-3	2-3	2-3	open	open	open	The AMD K5 comes in several versions with different voltages. Please ask your dealer for the correct voltage.								
AMD K5 PR90	60 MHz	1.5x	1-2	2-3	2-3	open	open	open									
AMD K5 PR100	66 MHz	1.5x	2-3	1-2	2-3	open	open	open									
AMD K5 PR120	60 MHz	1.5x	1-2	2-3	2-3	open	open	open									
AMD K5 PR133	66 MHz	1.5x	2-3	1-2	2-3	open	open	open									
AMD K5 PR150	66 MHz	1.5x	2-3	1-2	2-3	open	open	open									
AMD K5 PR166	66 MHz	2.5x	2-3	1-2	2-3	close	close	open	dual 2.9V	close	open	open	close	close	open	open	
AMD K6 166	66 MHz	2.5x	2-3	1-2	2-3	close	close	open	dual 2.9V	close	open	open	close	close	open	open	
AMD K6 200	66 MHz	3x	2-3	1-2	2-3	open	close	open	dual 2.9V	close	open	open	close	close	open	open	
AMD K6 233	66 MHz	3.5x	2-3	1-2	2-3	open	open	open	dual 2.2V	open	open	open	close	open	close	open	
AMD K6 266	66 MHz	4.0x	2-3	1-2	2-3	close	open	close	dual 2.2V	open	open	close	open	close	open	open	
AMD K6 300	66 MHz	4.5x	2-3	1-2	2-3	close	close	close	dual 2.2V	open	open	close	open	close	open	open	
AMD K6- 2 266	66 MHz	4.0x	2-3	1-2	2-3	close	open	close	dual 2.2V	open	open	close	open	close	open	open	
Cyrix 6x86 PR133+	55 MHz	2.0x	2-3	2-3	2-3	close	open	open	The regular Cyrix 6x86 comes in several versions with different voltages. Please ask your dealer for the correct voltage.								
Cyrix 6x86 PR150+	60 MHz	2.0x	1-2	2-3	2-3	close	open	open									
Cyrix 6x86 PR166+	66 MHz	2.0x	2-3	1-2	2-3	close	open	open									
Cyrix 6x86 PR200+	75 MHz	2.0x	1-2	2-3	1-2	close	open	open									
Cyrix MX PR166**	60 / 2.5	66 / 2.0	1-2	2-3	2-3	close	close	open		dual 2.9V	close	open	open	close	close	open	open
Cyrix MX PR200**	66 / 2.5	75 / 2.0	2-3	1-2	2-3	close	close	open		dual 2.9V	close	open	open	close	close	open	open
Cyrix MX PR233**	66 / 3.0	75 / 2.5	2-3	1-2	2-3	open	close	open	dual 2.9V	close	open	open	close	close	open	open	
Cyrix MX PR266**	66 / 3.5	75 / 3.0	2-3	1-2	2-3	open	open	open	dual 2.9V	close	open	open	close	close	open	open	
Cyrix MII 300**	66 / 3.5	75 / 3.0	2-3	1-2	2-3	open	open	open	dual 2.9V	close	open	open	close	close	open	open	
P54C P75	50 MHz	1.5x	2-3	2-3	2-3	open	open	open	The P54C (standard Pentium) comes in several versions with different voltages. Please ask your dealer for the correct voltage.								
P54C P90	60 MHz	1.5x	1-2	2-3	2-3	open	open	open									
P54C P100	66 MHz	1.5x	2-3	1-2	2-3	open	open	open									
P54C P120	60 MHz	2.0x	1-2	2-3	2-3	close	open	open									
P54C P133	66 MHz	2.0x	2-3	1-2	2-3	close	open	open									
P54C/P55C P150	60 MHz	2.5x	1-2	2-3	2-3	close	close	open									
P54C/P55C P166	66 MHz	2.5x	2-3	1-2	2-3	close	close	open	The P55C (MMX) processors have the same voltage setting:								
P54C/P55C P180	60 MHz	3x	1-2	2-3	2-3	open	close	open		dual 2.8V	close	open	open	open	close	open	
P54C/P55C P200	66 MHz	3x	2-3	1-2	2-3	open	close	open		single 3.3V	close	close	open	close	open	close	
P55C P233	66 MHz	3.5x	2-3	1-2	2-3	open	open	open		single 3.3V	close	close	open	close	open	close	
IDT WinChip C6-180	60 MHz	3x	1-2	2-3	2-3	open	close	open		single 3.3V	close	close	open	close	open	close	
IDT WinChip C6-200	66 MHz	3x	2-3	1-2	2-3	open	close	open		single 3.3V	close	close	open	close	open	close	
IDT WinChip C6-225	75 MHz	3x	1-2	2-3	1-2	open	close	open	single 3.3V	close	close	open	close	open	close		
IDT WinChip C6-240	60 MHz	4.0x	1-2	2-3	2-3	close	open	open	single 3.3V	close	close	open	close	open	close		
IDT WinChip C6-180	60 MHz	3x	1-2	2-3	2-3	open	close	open	single 3.52V	close	close	close	close	open	close		
IDT WinChip C6-200	66 MHz	3x	2-3	1-2	2-3	open	close	open	single 3.52V	close	close	close	close	open	close		
IDT WinChip C6-225	75 MHz	3x	1-2	2-3	1-2	open	close	open	single 3.52V	close	close	close	close	open	close		
IDT WinChip C6-240	60 MHz	4.0x	1-2	2-3	2-3	close	open	close	single 3.52V	close	close	close	close	open	close		

\*\*There are two versions of these CPUs. Set the frequency according to the markings on the CPU.

\*This specification is subject to change without notice.

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