

# Appendix A

## Jumper Setting Summary

### CPU Voltage Select

<u>JP7</u>	<u>CPU Core Voltage (Vcore)</u>	<u>JP8</u>	<u>I/O Voltage (Vio)</u>
1-2	3.45V (Intel P54C or IDT C6)	1-2	3.45V (default)
3-4	3.52V (Cyrix or AMD K5)	3-4	3.52V
5-6	2.9V (AMD K6-166/200 or Cyrix M2)		
7-8	2.8V (MMX P55C)		
9-10	3.2V (AMD K6-233)		
11-12	2.1V (Reserved)		

<u>JP9</u>	<u>JP10</u>	<u>JP11</u>	<u>JP12</u>	<u>CPU Type (Vcpuio)</u>
1-2 & 3-4	Open	1-2 & 3-4	Open	Single Voltage CPU Vcpuio = Vcore (default)
Open	1-2 & 3-4	Open	1-2 & 3-4	Dual Voltage CPU Vcpuio = Vio (PP/MT P55C)



**Warning:** The heat dissipation of Intel PP/MT-233Hz, AMD K6-200/233MHz exceed the original design of this mainboard. Please make sure that you have installed CPU fan properly if Intel PP/MT-233 or AMD K6-200/233 is being selected to use. It may cause your system unstable if you can not meet the heat dissipation requirement from above CPU type. It is recommended to adopt larger fan on these CPU for better air flow in the system.

CPU	Vcore	Vio	Vcpuio	JP7	JP8	JP9	JP10	JP11	JP12
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## Jumper Table Summary

Type									
Intel P54C	3.45V	3.45V	Vcore	1-2	1-2	1-2, 3-4	Open	1-2, 3-4	Open
Intel MMX (P55C)	2.8V	3.45V	Vio	7-8	1-2	Open	1-2, 3-4	Open	1-2, 3-4
AMD K5 (Single voltage)	3.52V	3.45V	Vcore	3-4	1-2	1-2, 3-4	Open	1-2, 3-4	Open
AMD K6-166/200	2.9V	3.45V	Vio	5-6	1-2	Open	1-2, 3-4	Open	1-2, 3-4
AMD K6-233	3.2V	3.45V	Vio	9-10	1-2	Open	1-2, 3-4	Open	1-2, 3-4
Cyrix 6x86	3.52V	3.45V	Vcore	3-4	1-2	1-2, 3-4	Open	1-2, 3-4	Open
Cyrix 6x86L	2.8V	3.45V	Vio	7-8	1-2	Open	1-2, 3-4	Open	1-2, 3-4
Cyrix M2	2.9V	3.45V	Vio	5-6	1-2	Open	1-2, 3-4	Open	1-2, 3-4
IDT C6	3.45V	3.45V	Vcore	1-2	1-2	1-2, 3-4	Open	1-2, 3-4	Open

## CPU Frequency Select

<u>JP1</u>	<u>JP2</u>	<u>CPU Frequency Ratio</u>	<u>JP3</u>	<u>JP4</u>	<u>CPU External Clock</u>
1-2	1-2	1.5x (3.5x)	2-3	2-3	50MHz
2-3	1-2	2x	1-2	2-3	60MHz
2-3	2-3	2.5x (1.75x)	2-3	1-2	66MHz
1-2	2-3	3x			

Intel Pentium	CPU Core Frequency	Ratio	External Bus Clock	JP1 & JP2	JP3 & JP4
P54C 75	75MHz =	1.5x	50MHz	1-2 & 1-2	2-3 & 2-3
P54C 90	90MHz =	1.5x	60MHz	1-2 & 1-2	1-2 & 2-3
P54C 100	100MHz =	1.5x	66MHz	1-2 & 1-2	2-3 & 1-2
P54C 120	120MHz =	2x	60MHz	2-3 & 1-2	1-2 & 2-3
P54C 133	133MHz =	2x	66MHz	2-3 & 1-2	2-3 & 1-2
P54C 150	150MHz =	2.5x	60MHz	2-3 & 2-3	1-2 & 2-3
P54C 166	166MHz =	2.5x	66MHz	2-3 & 2-3	2-3 & 1-2
P54C 200	200MHz =	3x	66MHz	1-2 & 2-3	2-3 & 1-2
Intel Pentium	CPU Core Frequency	Ratio	External Bus Clock	JP1 & JP2	JP3 & JP4

## Jumper Table Summary

PP/MT 150	150MHz =	2.5x	60MHz	2-3 & 2-3	1-2 & 2-3
PP/MT 166	166MHz =	2.5x	66MHz	2-3 & 2-3	2-3 & 1-2
PP/MT 200	200MHz =	3x	66MHz	1-2 & 2-3	2-3 & 1-2
PP/MT 233	233MHz =	3.5x	66MHz	1-2 & 1-2	2-3 & 1-2

IDT C6	CPU Core Frequency	Ratio	External Bus Clock	JP1 & JP2	JP3 & JP4
WinChip 180	180MHz =	3x	66MHz	1-2 & 2-3	1-2 & 2-3
WinChip 200	200MHz =	3x	66MHz	1-2 & 2-3	2-3 & 1-2

Cyrix 6x86	CPU Core Frequency	Ratio	External Bus Clock	JP1 & JP2	JP3 & JP4
P120+	100MHz =	2x	50MHz	2-3 & 1-2	2-3 & 2-3
P150+	120MHz =	2x	60MHz	2-3 & 1-2	1-2 & 2-3
P166+	133MHz =	2x	66MHz	2-3 & 1-2	2-3 & 1-2

Cyrix M2	CPU Core Frequency	Ratio	External Bus Clock	JP1 & JP2	JP3 & JP4
MX-PR166	150MHz =	2.5x	60MHz	2-3 & 2-3	1-2 & 2-3
MX-PR200	166MHz =	2.5x	66MHz	2-3 & 2-3	2-3 & 1-2
MX-PR233	200MHz =	3x	66MHz	1-2 & 2-3	2-3 & 1-2
MX-PR266	233MHz =	3.5x	66MHz	1-2 & 1-2	2-3 & 1-2

AMD K5	CPU Core Frequency	Ratio	External Bus Clock	JP1 & JP2	JP3 & JP4
PR90	90MHz =	1.5x	60MHz	1-2 & 1-2	1-2 & 2-3
PR100	100MHz =	1.5x	66MHz	1-2 & 1-2	2-3 & 1-2
PR120	90MHz =	1.5x	60MHz	1-2 & 1-2	1-2 & 2-3
PR133	100MHz =	1.5x	66MHz	1-2 & 1-2	2-3 & 1-2
PR166	116MHz =	1.75x	66MHz	2-3 & 2-3	2-3 & 1-2

AMD K6	CPU Core Frequency	Ratio	External Bus Clock	JP1 & JP2	JP3 & JP4
PR2-166	166MHz =	2.5x	66MHz	2-3 & 2-3	2-3 & 1-2
PR2-200	200MHz =	3x	66MHz	1-2 & 2-3	2-3 & 1-2
PR2-233	233MHz =	3.5x	66MHz	1-2 & 1-2	2-3 & 1-2

## Jumper Table Summary

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### Enable/Disable Onboard Super I/O Controller

<u>JP18</u>	<u>Onboard Super I/O</u>
1-2	Enabled (default)
2-3	Disabled

### Enable/Disable PS/2 Mouse Function

<u>JP20</u>	<u>PS/2 Mouse</u>
1-2	Enabled (default)
2-3	Disabled

### Clearing CMOS

<u>JP14</u>	<u>Clear CMOS</u>
1-2	Normal operation (default)
2-3	Clear CMOS

### DIMM Memory Type Select

<u>JP25</u>	<u>Memory Type</u>
Open	SDRAM
1-2 & 3-4	EDO