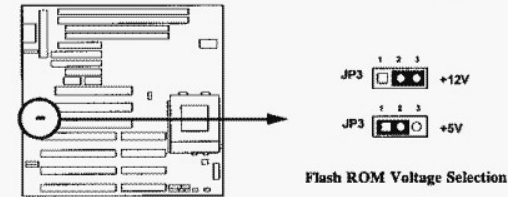


**1. Flash ROM Voltage Selection: JP3 (Yellow color selector)**

These jumpers set the voltage supplied to the Flash ROM. It depend on Flash ROM Brand.

**Programming JP3**  
 +12V 2-3 (Intel, MXIC)  
 +5V 1-2 (SST, Winbond, Atmel)

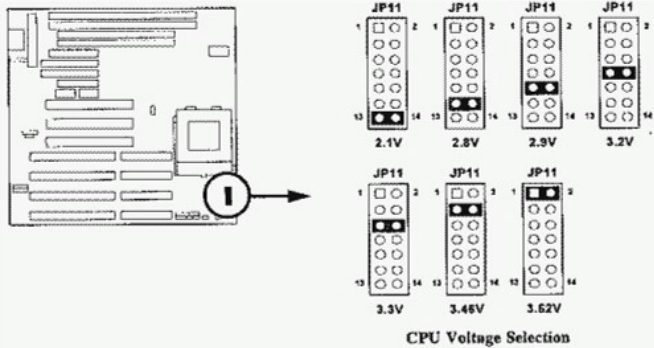


**2. CPU Voltage Selection: JP11 (Yellow color selector)**

This jumper is using for adjusting CPU working voltage, for this main board design it can auto detect the single voltage CPU or dual voltage CPU.

The table of JP11 CPU voltage selection (O: open, S: short)

CPU TYPE	Voltage	1-2	3-4	5-6	7-8	9-10	11-12	13-14
Intel Pentium processor Voltage P54VRE								
AMD single Voltage K5								
Cyrix/IBM single Voltage 6X86								
IDT-C6 150/180/200	3.52V	S	O	O	O	O	O	O
Intel Pentium processor Voltage P54STD	3.45V	O	S	O	O	O	O	O
AMD K6-PR233 Dual Voltage K6-PR233	3.2V	O	O	O	S	O	O	O
AMD K6-PR166 Dual Voltage K6-PR166/200								
Cyrix/IBM 6X86MX -166, -200 Dual Voltage (MX 166/200)	2.9V	O	O	O	O	S	O	O
Cyrix/IBM 6X86L 166+, 200+ Dual Voltage 6X86L 166+/200+								
Intel Pentium processor with MMX technology Dual Voltage (166/200/233)	2.8V	O	O	O	O	O	S	O



**CPU Type selection: (JP9: 6-Pins DIP Switch)**

This main board design use 6-pins DIP switch to select the CPU, external clock frequency & Bus frequency ratio, to select the CPU Type & frequency as the table below:

**Table for CPU external clock frequency**

dip switch 4	dip switch 5	dip switch 6	external clock frequency
ON	ON	ON	50MHz
OFF	ON	ON	55MHz
ON	ON	OFF	60MHz
ON	OFF	ON	66MHz
OFF	ON	OFF	75MHz

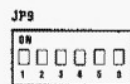
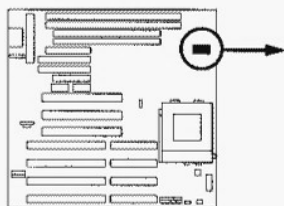
**Table for Bus frequency Clock Ratio**

dip switch 1	dip switch 2	dip switch 3	Clock Ratio
OFF	OFF	OFF	1.5
ON	OFF	OFF	2
ON	ON	OFF	2.5
OFF	ON	OFF	3
OFF	OFF	OFF	3.5
ON	OFF	ON	4
ON	ON	ON	4.5

**Table for CPU Type selection (  : ON,  : OFF)**

CPU Type	DIP Switch Setting	DIP Switch (1,2,3) Clock Ratio	DIP Switch (4,5,6) external clock frequency	External clock frequency X Ratio CPU frequency
75MHz Pentium processor AMD K5-75MHz		1.5	50MHz	75MHz
Cyrix/IBM 6X86-120+		2	50MHz	100MHz
C6-150MHz		3	50MHz	150MHz
Cyrix/IBM 6X86-133+		2	55MHz	110MHz
90MHz Pentium processor AMD K5-PR90		1.5	60MHz	90MHz
120MHz Pentium processor		2	60MHz	120MHz
Cyrix/IBM 6X86-150+		2	60MHz	120MHz
150MHz Pentium processor Cyrix/IBM 6X86MX-PR166		2.5	60MHz	150MHz
C6-180MHz		3	60MHz	180MHz
100MHz Pentium processor AMD K5-PR100 AMD K5-PR133		1.5	66MHz	100MHz

CPU Type	DIP Switch Setting	DIP Switch (1,2,3) Clock Ratio	DIP Switch (4,5,6) external clock frequency	External clock frequency X Ratio CPU frequency
133MHz Pentium processor Cyrilx/IBM 6X86-166+ Cyrilx/IBM 6X86MX-PR166		2	66MHz	133MHz
166MHz Pentium processor 166MHz Pentium processor with MMX technology Cyrilx 6X86MX-PR200 AMD K5-PR166 AMD K6-PR166		2.5	66MHz	166MHz
200MHz Pentium processor 200MHz Pentium processor with MMX technology Cyrilx 6X86MX-PR233 AMD K6-PR200 C6-200MHz		3	66MHz	200MHz
233MHz Pentium processor with MMX technology AMD K6-PR2-233		3.5	66MHz	233MHz
AMD K6-PR2-266		4	66MHz	266MHz
AMD K6-PR2-300		4.5	66MHz	300MHz



DIP Switch for CPU Type

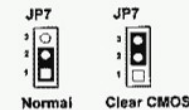
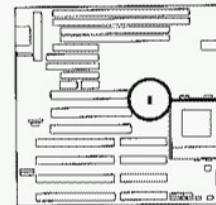
**NOTE:** ① Before install the CPU, Please check the CPU Frequency and Clock Ratio from your supplier.  
② For Cyrilx 6X86MX series, please double check the CPU's Frequency and Clock Ratio.

#### 4. CMOS RAM: JP7 (Yellow color selector)

**WARNING:** Make sure your computer is POWER OFF when you are CLEAR CMOS.

Connect a jumper Cap over this jumper for a few seconds, will clears information stored in the CMOS RAM Chip that input by user, such as hard disk information and passwords. After CLEAR CMOS, you must enter the BIOS setup (by holding down <DEL> during power-up) to re-enter BIOS information (see BIOS SETUP).

**Selections JP7**  
Normal 1-2 (Default)  
Clear CMOS 2-3 (momentarily)



CMOS RAM (Normal / Clear CMOS Data)

#### 5. CPU I/O Voltage selector: JP13

**Selections JP13**  
3.3V 1-2 (Default)  
3.45V 3-4

