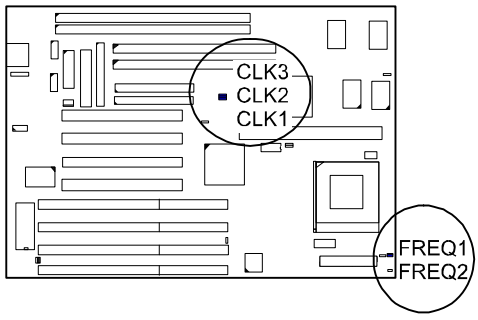
## *Cyrix 6x86 CPUs*
## *Frequency*

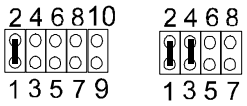
| Model | CPU Speed | External (CPU/CLK) | CLK1 | CLK2 | CLK3 | CPU Clock Rate | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | Internal | FREQ1 | FREQ2 |
| M2* | 233 MHz | 66 MHz | 1-2 | 1-2 | 1-2 | 3.5 x | 1-2 | 1-2 |
| M2* | 225 MHz | 75 MHz | 1-2 | 1-2 | 1-2 | 3 x | 1-2 | 1-2 |
| M2* | 200 MHz | 66 MHz | 1-2 | 1-2 | 1-2 | 3 x | 1-2 | 1-2 |
| M2* | 187 MHz | 75 MHz | 1-2 | 1-2 | 1-2 | 2.5 x | 1-2 | 1-2 |
| M2* | 180 MHz | 60 MHz | 1-2 | 1-2 | 1-2 | 3 x | 1-2 | 1-2 |
| M2* | 166 MHz | 66 MHz | 1-2 | 1-2 | 1-2 | 2.5 x | 1-2 | 1-2 |
| 6x86-PR200+<br>6x86L-PR200+ | 150 MHz | 75 MHz | 1-2 | 1-2 | 1-2 | 2 x | 1-2 | 1-2 |
| 6x86-PR166+<br>6x86L-PR166+ | 133 MHz | 66 MHz | 1-2 | 1-2 | 1-2 | 2 x | 1-2 | 1-2 |
| 6x86-PR150+<br>6x86L-PR150+ | 120 MHz | 60 MHz | 1-2 | 1-2 | 1-2 | 2 x | 1-2 | 1-2 |
| 6x86-PR133+<br>6x86L-PR133+ | 110 MHz | 55 MHz | 1-2 | 1-2 | 1-2 | 2 x | 1-2 | 1-2 |
| 6x86-PR120+<br>6x86L-PR120+ | 100 MHz | 50 MHz | 1-2 | 1-2 | 1-2 | 2 x | 1-2 | 1-2 |

**NOTE : *** This CPU had not been tested when this manual was printed.

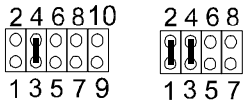


## *Voltage*

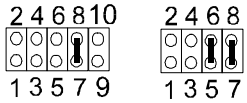
VR1 VR2




**Core : 3.4V-3.6V**
**IO : Same**
**Cryix 6x86-028**

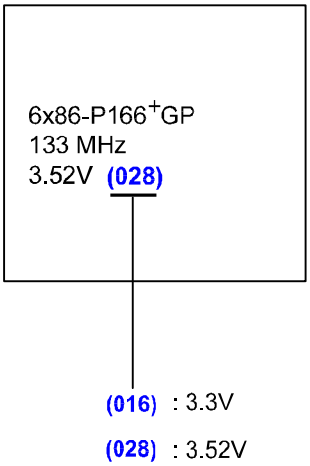



**Core : 3.3V**
**IO : Same**
**Cryix 6x86-016**

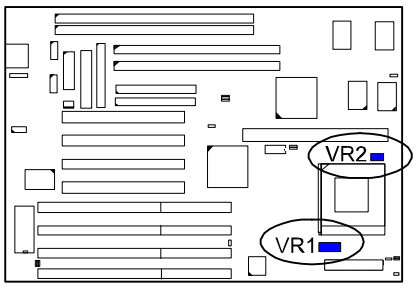



**Core : 2.8V**
**IO : 3.3V**
**Cryix 6x86L ***

**Cyrix 6x86 CPU**
**Top Side Marking**




**NOTE : *** This CPU had not been tested when this manual was printed.

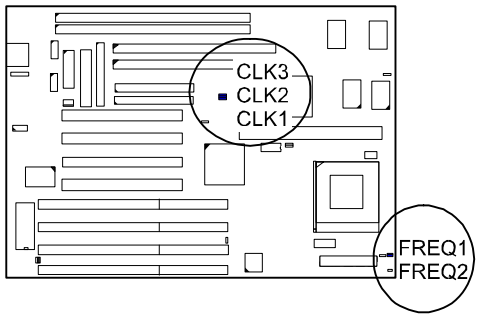


## IBM 6x86 CPUs

### *Frequency*

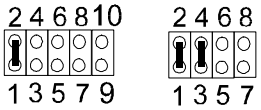
| Model | CPU Speed | External (CPU/CLK) | CLK1 | CLK2 | CLK3 | CPU Clock Rate | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | Internal | FREQ1 | FREQ2 |
| M2* | 233 MHz | 66 MHz | 1 | 1 | 1 | 3.5 x | 1 | 1 |
| M2* | 225 MHz | 75 MHz | 1 | 1 | 1 | 3 x | 1 | 1 |
| M2* | 200 MHz | 66 MHz | 1 | 1 | 1 | 3 x | 1 | 1 |
| M2* | 187 MHz | 75 MHz | 1 | 1 | 1 | 2.5 x | 1 | 1 |
| M2* | 180 MHz | 60 MHz | 1 | 1 | 1 | 3 x | 1 | 1 |
| M2* | 166 MHz | 66 MHz | 1 | 1 | 1 | 2.5 x | 1 | 1 |
| 6x86-PR200+<br>6x86L-PR200+ | 150 MHz | 75 MHz | 1 | 1 | 1 | 2 x | 1 | 1 |
| 6x86-PR166+<br>6x86L-PR166+ | 133 MHz | 66 MHz | 1 | 1 | 1 | 2 x | 1 | 1 |
| 6x86-PR150+<br>6x86L-PR150+ | 120 MHz | 60 MHz | 1 | 1 | 1 | 2 x | 1 | 1 |
| 6x86-PR133+<br>6x86L-PR133+ | 110 MHz | 55 MHz | 1 | 1 | 1 | 2 x | 1 | 1 |
| 6x86-PR120+<br>6x86L-PR120+ | 100 MHz | 50 MHz | 1 | 1 | 1 | 2 x | 1 | 1 |

**NOTE : *** This CPU had not been tested when this manual was printed.

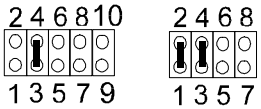


## *Voltage*

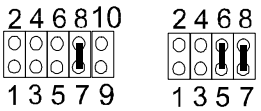
VR1 VR2




**Core : 3.4V-3.6V**
**IO : Same**
**IBM 6x86-028**

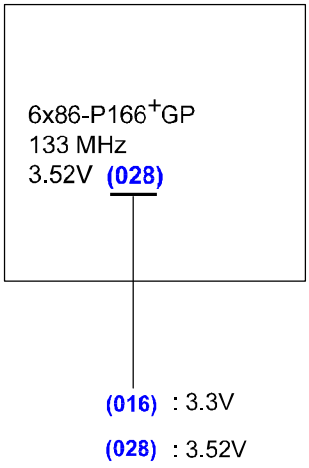



**Core : 3.3V**
**IO : Same**
**IBM 6x86-016**

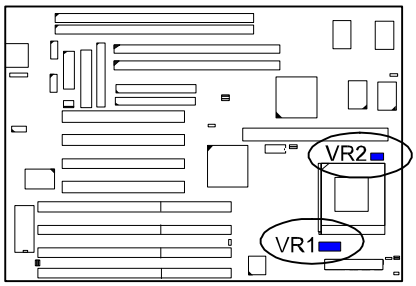



**Core : 2.8V**
**IO : 3.3V**
**IBM 6x86L ***

**IBM 6x86 CPU**
**Top Side Marking**



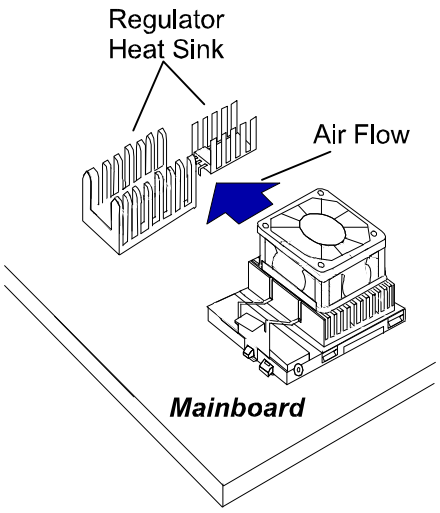

**NOTE :** * This CPU had not been tested when this manual was printed.



## Installation of Cyrix (or IBM) 6x86 CPU Fan

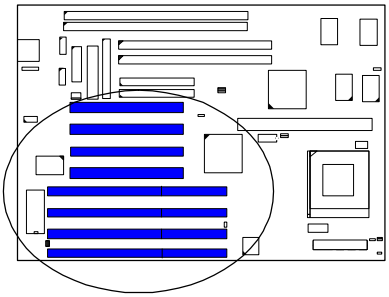
**CAUTION :** When you install a Cyrix (or IBM) 6x86 CPU fan, please pay attention to the direction of the air flow. Make sure the air flow is the direction of the regulator; otherwise, the system may overheat.

1). Supplier : BIRCHTECK, Taiwan (Phone : 886-2-7935677)
Model Number - BEC6x86B2.
2). Supplier : Cyrix (or IBM). The fan comes with the Cyrix (or IBM) 6x86 CPU purchase. For the stable system performance, make sure that the air flow blow toward the regulator the temperature of the regulator.




# 4). Install Expansion Cards

Your PA-2006 features four 16-bit ISA Bus and four 32-bit PCI Bus expansion slots.



This section describes how to connect an expansion card to one of your system's expansion slots. Expansion cards are printed circuit boards that, when connected to the mainboard, increase the capabilities of your system. For example, expansion cards can provide video and sound capabilities.

**CAUTION :**

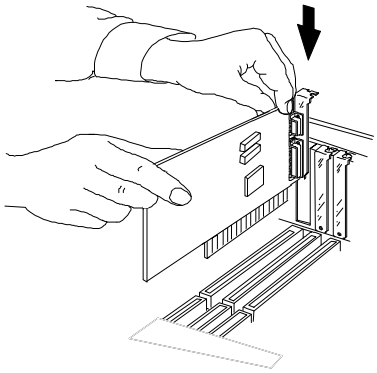
**1.** Always turn the system power off before installing or removing any device.

**2.** Always observe static electricity precautions.
See “Handling Precautions” at the start of this manual.

To install an expansion card, do the following:

1. Remove the chassis cover and select an empty expansion slot.
2. Remove the corresponding slot cover from the chassis.
   Unscrew them mounting screw that secures the slot cover and pull the slot cover out from the chassis. Keep the slot cover mounting screw nearby.

3. Holding the edge of the peripheral card, carefully align the edge connector with the expansion slot. (See figure below.)



4. Push the card firmly into the slot. Push down on one end of the expansion card, then the other. Use this “rocking” motion until the add-in card is firmly seated inside the slot.
5. Secure the board with the mounting screw removed in Step 2.
Make sure that the card has been placed evenly and completely into the expansion slot.