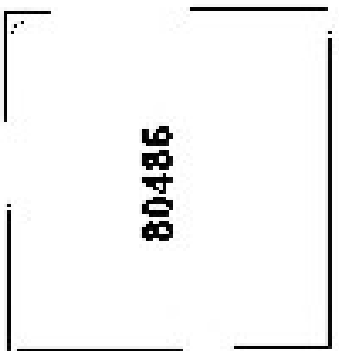
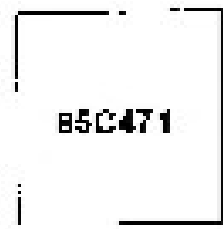
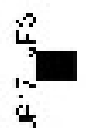
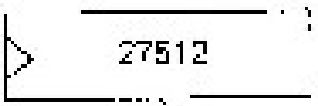
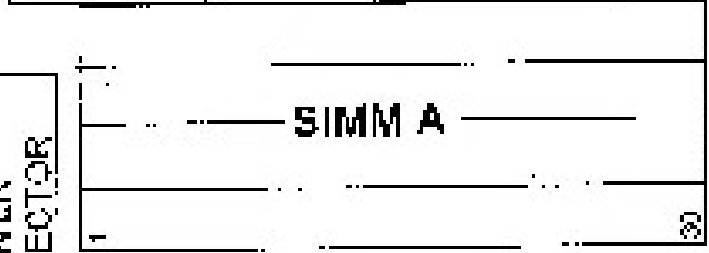


KEY-BOARD CONNECTOR

BATTERY

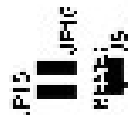
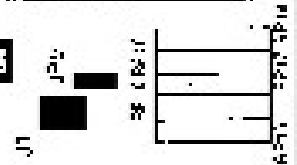
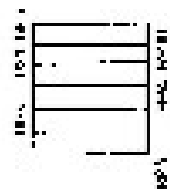
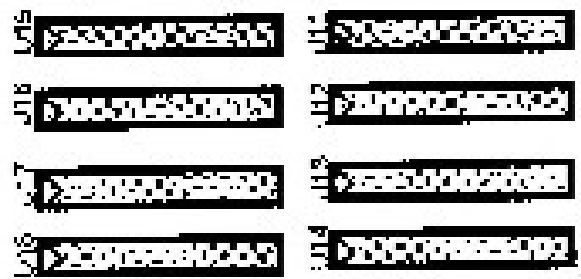
POWER CONNECTOR



Master/slave VESA 2

Master/slave VESA 3

Master/slave VESA 1



## 1-3 MAINBOARD CONNECTORS AND JUMPER SETTINGS

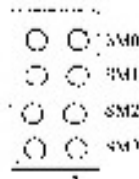
**J4**



**Green LED**

High: Doze, Standby or Suspend mode  
Low: Normal mode

**J1**



**Smart Select**

High: Normal mode  
Low: Doze, Standby or Suspend mode  
(Pin 1: control pin, Pin 2: GND pin)

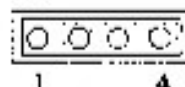
**J2**



**Keylock Switch**

1.LED output  
2.No connect  
3.GND  
4.Keylock  
5.GND

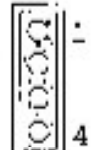
**J3**



**Speaker Jumper**

1. Speaker out  
2. GND  
3. GND  
4. VCC

**J4**



**External Battery Connector**

1.+VDD  
2.No connect  
3.GND  
4.GND

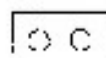
**J5**



**Reset Switch**

1. GND  
2. Power good

**J6**



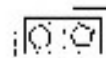
**Turbo Switch**

Open: Low speed or speed change by keyboard

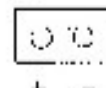
{CTRL} {ALT} {+} : High speed

{CTRL} {ALT} {-} : Low speed or speed change by turbo switch

Short: High speed

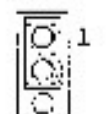


**J7**



**Turbo LED**

**JP11**

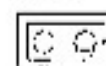


**Clean CMOS SRAM setup data**

1-2 Default

2-3 Clean CMOS SRAM Setup data

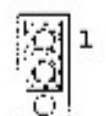
**JP13**



**Suspend Mode Switch**

Short Entry the Suspend mode directly

**JP15**

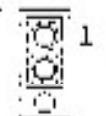


**VL-Bus Wait State Setup**

1-2 0WS

2-3 1WS (Default)

**JP16**



**VL-Bus Clock Setup**

1-2 < 33MHz

2-3 > 33MHz

**RP3-6, 30, 31 JP3, JP17, 18, 21** CPU Model Selection (Page 5)

**JP5~JP7** CPU Clock Selection (Page 5)

**RP15~19, JP9, JP20** Cache Size Configuration (Page 8, 9, 10)

**RP7~10** DRAM Size Configuration (Page 6,7)

## 1-4 CPU TYPE AND CPU CLOCK REFERENCE TABLE

CPU	CPU CLOCK
486SX-25	25MHz
486SX-33	33MHz
487SX-25	25MHz
487SX-33	33MHz
486DX-33	33MHz
486DX-40	40MHz
486DX-50	50MHz
486DX2-50	25MHz
486DX2-86	33MHz
OVERDRIVE-25	25MHz
OVERDRIVE-33	33MHz

This motherboard is fitted with a clock generator which allows the user to choose a different CPU frequency just by changing the jumper setting.

CPU CLOCK SELECTION			
CPU CLOCK	JP5	JP7	JP8
25MHz	Open	Short	Open
33MHz	Short	Short	Short
40MHz	Open	Short	Short
50MHz	Short	Open	Open

As soon as you change the on board CPU, please select proper CPU clock speed by changing the setting of JP5, JP6 & JP7 jumpers according to the above table. Besides, the following table recommends you the proper jumper setting of JP3, JP17, JP18, JP21, RP3-6 & RP30-31 for different CPU Models.

CPU Model Jumper Setting							
CPU Model	486SX & P23S (SL-Enhanced)	486DX/DX2 SL-Enhanced	P24S/P4S SL-Enhanced	ODPR486 486 OverDrive	P24D Wide Back	MP Cortex	AMD-6L SL-Enhanced
Jumper Setting	486SX	486DX2/486DX	168 Pin	486DX	486DX/DX2	Enhanced	
JP3, JP7	Short 2-3		Short 2-3		Short 2-3	Short 1-2	Short 2-3
JP5 & JP6	Short 1-2		Short 1-2		Short 1-2	Short 1-2	Short 2-3
RP3			Short			Short	Short
RP4					Short		
RP5	Short				Short		
RP6					Short		
RP30						Short	
RP31	Short		Short				Short

P4S and ODPR486 mapping to 486DX/DX2/P24S CPU model jumper setting.

## 1-5 MAIN MEMORY(DRAM)

This board will support any combination of 30-pin and 72-pin SIMMs up to 64MB. Please select memory type as follows.

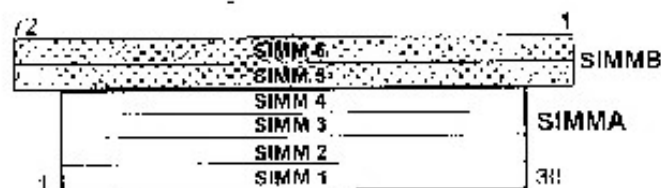


TABLE 1

All possible memory configuration and jumper setting mapping.

SIMM A	SIMM B		RP SEL
Simm1-Simm4	Simm5	Simm6	
INSTALLED	NOT-INSTALLED	NOT-INSTALLED	RP 10
NOT-INSTALLED	S/S USED	S/S USED	RP 8
NOT-INSTALLED	D/S USED	D/S USED	RP 7
INSTALLED	S/S USED	S/S USED	RP 10
INSTALLED	D/S USED	S/S USED	RP 9

- \* S/S = SINGLE SIDE 72-PIN SIMMs are all 1MB, 4MB or 16MB Modules.
- \* D/S = DOUBLE SIDE 72-PIN SIMMs are all 2MB, 8MB or 32MB Modules.