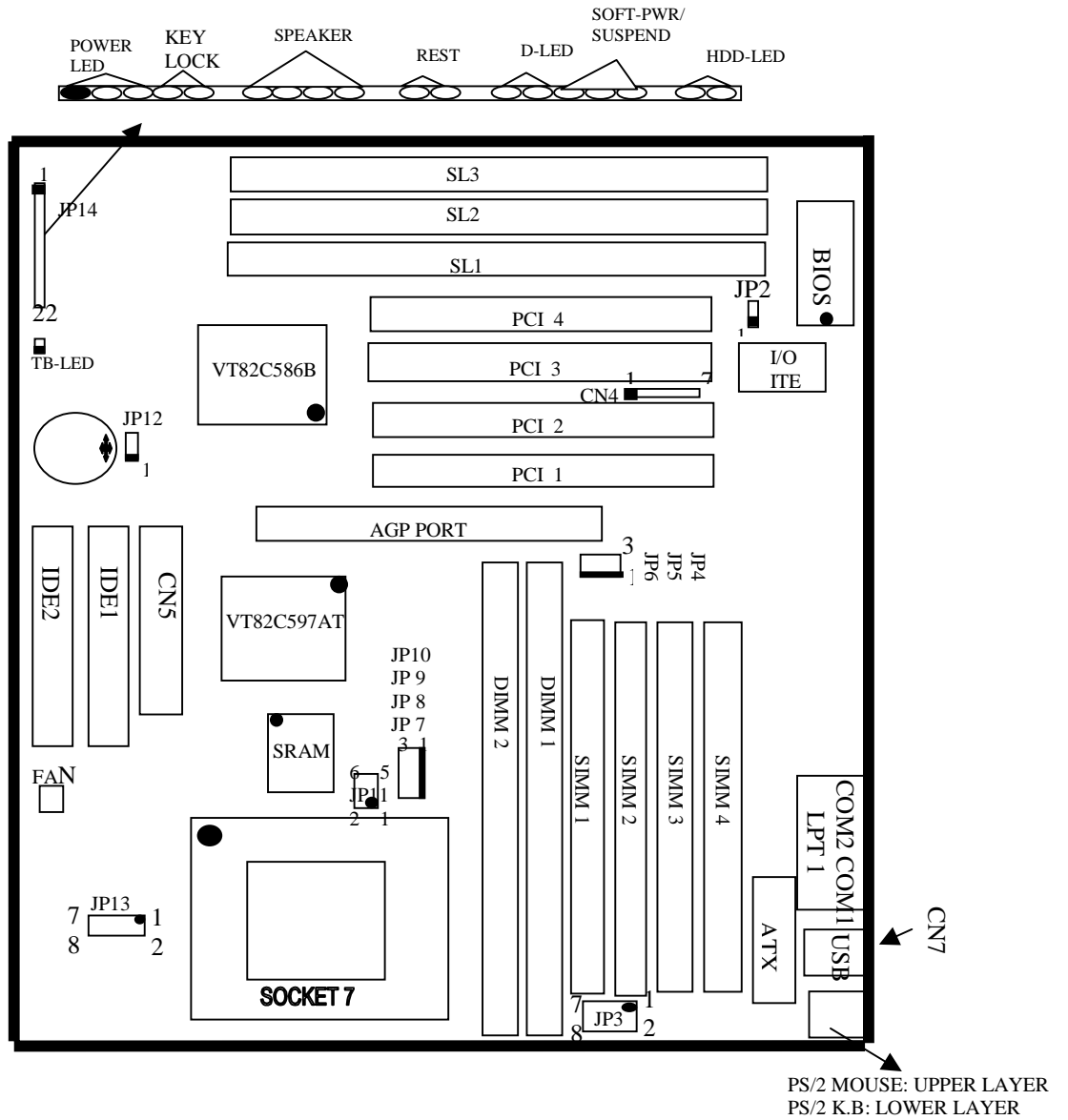


MAIN BOARD
User's Guide
(VER : 5AVP3)

1-1 Motherboard Layout



1-2 Jumper Setting

Intel® Pentium® Processor Installation

CPU Clock	SYS. Clock	JP4	JP5	JP6	JP7	JP8	JP9	JP10	JP11	JP13	Ratio
P54C 75 MHZ 3.3V	50 MHZ	2-3	2-3	2-3	1-2	1-2	1-2	1-2	OPEN	1-2, 5-6, 7-8	1.5X
P54C 90 MHZ 3.3V	60 MHZ	2-3	1-2	1-2	1-2	1-2	1-2	1-2	OPEN	1-2, 5-6, 7-8	1.5X
P54C 100 MHZ 3.3V	66 MHZ	1-2	1-2	1-2	1-2	1-2	1-2	1-2	OPEN	1-2, 5-6, 7-8	1.5X
P54C 120 MHZ 3.3V	60 MHZ	2-3	1-2	1-2	2-3	1-2	1-2	1-2	OPEN	1-2, 5-6, 7-8	2X
P54C 133 MHZ 3.3V	66 MHZ	1-2	1-2	1-2	2-3	1-2	1-2	1-2	OPEN	1-2, 5-6, 7-8	2X
P54C 150 MHZ 3.3V	60 MHZ	2-3	1-2	1-2	2-3	2-3	1-2	1-2	OPEN	1-2, 5-6, 7-8	2.5X
P54C 166 MHZ 3.3V	66 MHZ	1-2	1-2	1-2	2-3	2-3	1-2	1-2	OPEN	1-2, 5-6, 7-8	2.5X
P55C 166 MHZ 2.8/3.3V	66 MHZ	1-2	1-2	1-2	2-3	2-3	1-2	1-2	1-2, 3-4, 5-6	7-8	2.5X
P54C 180 MHZ 3.3V	60 MHZ	2-3	1-2	1-2	1-2	2-3	1-2	1-2	OPEN	1-2, 5-6, 7-8	3X
P54C 200 MHZ 3.3V	66 MHZ	1-2	1-2	1-2	1-2	2-3	1-2	1-2	OPEN	1-2, 5-6, 7-8	3X
P55C 200 MHZ 2.8/3.3V	66 MHZ	1-2	1-2	1-2	1-2	2-3	1-2	1-2	1-2, 3-4, 5-6	7-8	3X
*P55C 233 MHZ 2.8/3.3V	66 MHZ	1-2	1-2	1-2	1-2	1-2	1-2	1-2	1-2, 3-4, 5-6	7-8	3.5X

AMD® K5/K6 Processor Installation

CPU Clock	SYS. Clock	JP4	JP5	JP6	JP7	JP8	JP9	JP10	JP11	JP13	Ratio
K5-PR75 3.52V	50 MHZ	2-3	2-3	2-3	1-2	1-2	1-2	1-2	OPEN	1-2,3-4,5-6,7-8	1.5X
K5-PR90/PR120 3.52V	60 MHZ	2-3	1-2	1-2	1-2	1-2	1-2	1-2	OPEN	1-2,3-4,5-6,7-8	1.5X
K5-PR100/PR133 3.52V	66 MHZ	1-2	1-2	1-2	1-2	1-2	1-2	1-2	OPEN	1-2,3-4,5-6,7-8	1.5X
K5-PR166 3.52V	66 MHZ	1-2	1-2	1-2	2-3	2-3	1-2	1-2	OPEN	1-2,3-4,5-6,7-8	2.5X
K6-PR166 2.9/3.3V	66 MHZ	1-2	1-2	1-2	2-3	2-3	1-2	1-2	1-2,3-4, 5-6	1-2,7-8	2.5X
K6-PR200 2.9/3.3V	66 MHZ	1-2	1-2	1-2	2-3	1-2	1-2	1-2	1-2,3-4, 5-6	1-2,7-8	3X
K6-PR233 3.2/3.3V	66 MHZ	1-2	1-2	1-2	1-2	1-2	1-2	1-2	1-2,3-4, 5-6	5-6,7-8	3.5X
K6-PR233 3.3/3.3V	66 MHZ	1-2	1-2	1-2	1-2	1-2	1-2	1-2	1-2, 3-4, 5-6	1-2, 5-6, 7-8	3.5X
K6-PR266 2.2/3.3V	66 MHZ	1-2	1-2	1-2	2-3	1-2	2-3	1-2	1-2, 3-4, 5-6	2-3	4X
K6-PR300 2.2/3.45V	66 MHZ	1-2	1-2	1-2	2-3	2-3	2-3	1-2	1-2, 3-4, 5-6	2-3	4.5X

Cyrix® 6x86 Processor Installation

CPU clock	SYS. Clock	JP4	JP5	JP6	JP7	JP8	JP9	JP10	JP11	JP13	Ratio
120+ M1 3.52V	50 MHZ	2-3	2-3	2-3	2-3	1-2	1-2	2-3	OPEN	1-2,3-4,5-6,7-8	2X
150+ M1 3.52V	60 MHZ	2-3	1-2	1-2	2-3	1-2	1-2	2-3	OPEN	1-2,3-4,5-6,7-8	2X
166+ M1 3.52V	66 MHZ	1-2	1-2	1-2	2-3	1-2	1-2	2-3	OPEN	1-2,3-4,5-6,7-8	2X
6X86L 150 2.8/3.3V	60 MHZ	2-3	1-2	1-2	2-3	1-2	1-2	2-3	1-2,3-4, 5-6	7-8	2X
6X86L 166 2.8/3.3V	66 MHZ	1-2	1-2	1-2	2-3	1-2	1-2	2-3	1-2,3-4, 5-6	7-8	2X
6X86L 200 2.8/3.3V	75 MHZ	1-2	2-3	1-2	2-3	1-2	1-2	2-3	1-2,3-4, 5-6	7-8	2X
6X86MX 166 2.9/3.3V	66 MHZ	1-2	1-2	1-2	2-3	1-2	1-2	2-3	1-2,3-4, 5-6	1-2,7-8	2X
6X86 MX166 2.9V/3.3V	60 MHZ	2-3	1-2	1-2	2-3	2-3	1-2	2-3	1-2, 3-4, 5-6	1-2, 7-8	2.5X
6X86 MX 200 2.9V/3.3V	66 MHZ	1-2	1-2	1-2	2-3	2-3	1-2	2-3	1-2, 3-4, 5-6	1-2, 7-8	2.5X
6X86MX 200 2.9/3.3V	75 MHZ	1-2	2-3	1-2	2-3	1-2	1-2	2-3	1-2,3-4, 5-6	1-2,7-8	2 X
6X86MX 233 2.9/3.3V	75 MHZ	1-2	2-3	1-2	2-3	1-2	2-3	1-2	1-2,3-4, 5-6	1-2,7-8	2.5X
MII 300 2.9/3.3V	66 MHZ	1-2	1-2	1-2	1-2	1-2	1-2	2-3	1-2, 3-4, 5-6	1-2, 7-8	3.5X

NOTE: EXPLANATION OF JUMER SETTING

1. JP2 - Flash ROM Voltage Selector

Description	JP2
5V (SST,Winbond)	1-2
12V (Intel,MXIC)	2-3

2. JP3 - DIMM Voltage Selector

Description	JP3
5V DIMM	1-2, 3-4
3.3V DIMM	5-6, 7-8

3. JP4-JP6 - CPU Speed Selector

Jumper	50MHz	60MHz	66MHz	75MHz
JP4	2-3	2-3	1-2	1-2
JP5	2-3	1-2	1-2	2-3
JP6	2-3	1-2	1-2	1-2
PCICLK	25	30	33.3	37

4. JP7-JP9 - CPU/BUS Ratio

Ratio	JP7	JP8	JP9
1.5X	1-2	1-2	1-2
2X	2-3	1-2	1-2
2.5X	2-3	2-3	1-2
3X	1-2	2-3	1-2
3.5X	1-2	1-2	1-2
4X	2-3	1-2	2-3
4.5X	2-3	2-3	2-3

5. JP10 –Cache Function Selector

JP10	Description
1-2	Interface Burst for Intel, AMD, CPU
2-3	Linear Burst for Cyrix & IBM CPU

6. JP12 - CMOS Selector

JP12	Description
1-2	Normal (default)
2-3	Clear CMOS (clear password)

7. P13 - CPU Voltage Selector

JP13	VCORE
7-8	2.8V
1-2, 7-8	2.9V
5-6, 7-8	3.2V
1-2, 5-6, 7-8	3.3V
1-2, 3-4, 5-6 7-8	3.5V
3-4	2.2V
1-2	2.1V
1-2, 3-4, 5-6	2.7V

1-3 Connectors

1. CN4 - Infrared Connector : IR

Pin	Signal Name
1	IRRX
2	Ground
3	IRTX
4	VCC
5	IRRXH
6	VCC
7	GND

2. USB: USB(Universal Serial Bus) Connector

USB Pin Out	
USB 1	USB 2
PIN 1 +5V	PIN2 +5V
PIN 3 USBP0-	PIN6 USBP1-
PIN5 USBP0+	PIN6 USBP1+
PIN7 GND	PIN8 GND

3. Others

MOUSE- PS/2 Mouse Connector

KBD- PS/2 Keyboard Connector

CN3 - External PS/2 Mouse Connector

CN 7 - USB Connector (OPTIONAL)

CN8 - Printer Port Connector

CN9 - Floppy Disk Connector

IDE1 - Primary IDE Connector

IDE2 - Secondary IDE Connector

COM1, 2 - Serial Ports Connector