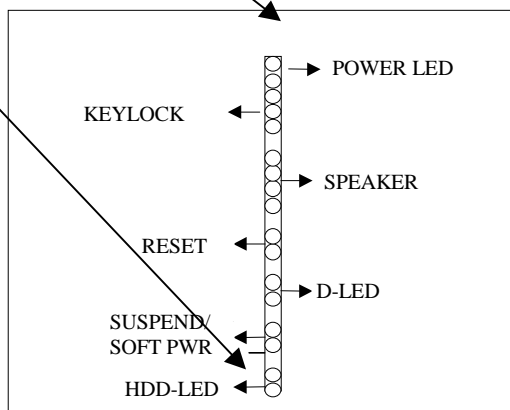
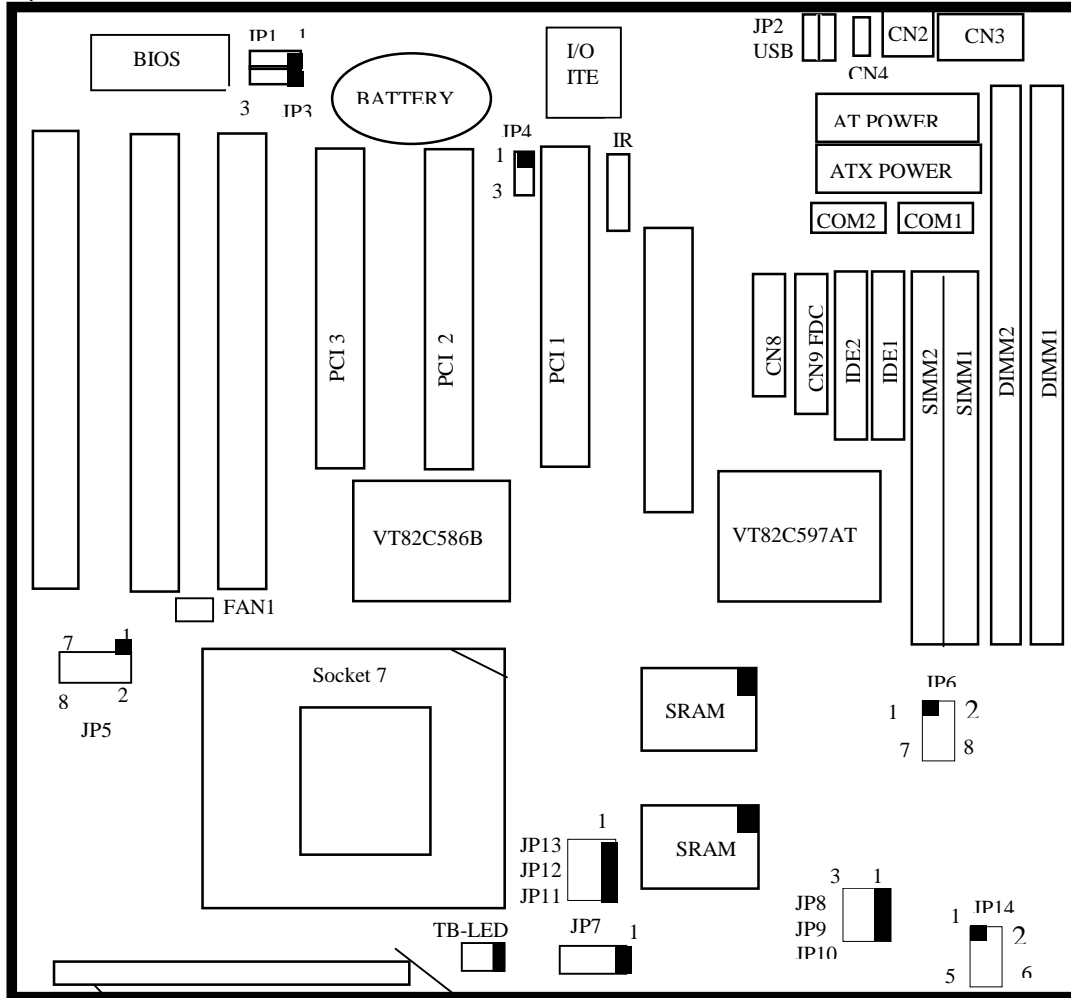


MAIN BOARD
User's Guide
(Ver: 5VP3)

1-1 Motherboard Layout



1-2 Jumper Setting

Intel Pentium® Processor Installation

CPU CLOCK	SYS. CLOCK	JP5	JP7	JP8	JP9	JP10	JP11	JP12	JP13	JP14	RATIO
P54C 75 MHZ 3.3V	50 MHZ	1-2, 5-6, 7-8	1-2	2-3	2-3	2-3	1-2	1-2	1-2	OPEN	1.5X
P54C 90 MHZ 3.3V	60 MHZ	1-2, 5-6, 7-8	1-2	2-3	1-2	1-2	1-2	1-2	1-2	OPEN	1.5X
P54C 100 MHZ 3.3V	66 MHZ	1-2, 5-6, 7-8	1-2	2-3	1-2	1-2	1-2	1-2	1-2	OPEN	1.5X
P54C 120 MHZ 3.3V	60 MHZ	1-2, 5-6, 7-8	1-2	2-3	1-2	1-2	2-3	1-2	1-2	OPEN	2X
P54C 133 MHZ 3.3V	66 MHZ	1-2, 5-6, 7-8	1-2	1-2	1-2	1-2	2-3	1-2	1-2	OPEN	2X
P54C 150 MHZ 3.3V	60 MHZ	1-2, 5-6, 7-8	1-2	2-3	1-2	1-2	2-3	2-3	1-2	OPEN	2.5X
P54C 166 MHZ 3.3V	66 MHZ	1-2, 5-6, 7-8	1-2	1-2	1-2	1-2	2-3	2-3	1-2	OPEN	2.5X
P55C 166 MHZ 2.8/3.3V	66 MHZ	7-8	1-2	1-2	1-2	1-2	2-3	2-3	1-2	1-2, 3-4, 5-6	2.5X
P54C 180 MHZ 3.3V	60 MHZ	1-2, 5-6, 7-8	1-2	2-3	1-2	1-2	1-2	2-3	1-2	OPEN	3X
P54C 200 MHZ 3.3V	66 MHZ	1-2, 5-6, 7-8	1-2	1-2	1-2	1-2	1-2	2-3	1-2	OPEN	3X
P55C 200 MHZ 2.8/3.3V	66 MHZ	7-8	1-2	1-2	1-2	1-2	1-2	2-3	1-2	1-2, 3-4, 5-6	3X
P55C 233 MHZ 2.8/3.3V	66 MHZ	7-8	1-2	1-2	1-2	1-2	1-2	1-2	1-2	1-2, 3-4, 5-6	3.5X

AMD® K5/K6 Processor Installation

CPU CLOCK	SYS. CLOCK	JP5	JP7	JP8	JP9	JP10	JP11	JP12	JP13	JP14	RATIO
K5-PR75 3.52V	50 MHZ	1-2,3-4,5-6,7-8	1-2	2-3	2-3	2-3	1-2	1-2	1-2	OPEN	1.5X
K5-PR90/PR120 3.52V	60 MHZ	1-2,3-4,5-6,7-8	1-2	2-3	1-2	1-2	1-2	1-2	1-2	OPEN	1.5X
K5-PR100/PR133 3.52V	66 MHZ	1-2,3-4,5-6,7-8	1-2	1-2	1-2	1-2	1-2	1-2	1-2	OPEN	1.5X
K5-PR166 3.52V	66 MHZ	1-2,3-4,5-6,7-8	1-2	1-2	1-2	1-2	2-3	2-3	1-2	OPEN	2.5X
K6-PR166 2.9/3.3V	66 MHZ	1-2,7-8	1-2	1-2	1-2	1-2	2-3	2-3	1-2	1-2,3-4, 5-6	2.5X
K6-PR200 2.9/3.3V	66 MHZ	1-2,7-8	1-2	1-2	1-2	1-2	1-2	2-3	1-2	1-2,3-4, 5-6	3X
K6-PR233 3.2/3.3V	66 MHZ	5-6,7-8	1-2	1-2	1-2	1-2	1-2	1-2	1-2	1-2,3-4, 5-6	3.5X
K6-PR233 3.3/3.3V	66 MHZ	1-2, 5-6, 7-8	1-2	1-2	1-2	1-2	1-2	1-2	1-2	1-2, 3-4, 5-6	3.5X
K6-PR266 2.2/3.3V	66 MHZ	3-4	1-2	1-2	1-2	1-2	2-3	1-2	2-3	1-2,3-4, 5-6	4X
K6-PR300 2.2/3.45V	66 MHZ	3-4	1-2	1-2	1-2	1-2	2-3	2-3	2-3	1-2, 3-4,5-6	4.5X

Cyrix® 6x86 Processor Installation

CPU CLOCK	SYS. CLOCK	JP5	JP7	JP8	JP9	JP10	JP11	JP12	JP13	JP14	RATIO
120+ M1 3.52V	50 MHZ	1-2,3-4,5-6,7-8	2-3	2-3	2-3	2-3	2-3	1-2	1-2	OPEN	2X
150+ M1 3.52V	60 MHZ	1-2,3-4,5-6,7-8	2-3	2-3	1-2	1-2	2-3	1-2	1-2	OPEN	2X
166+ M1 3.52V	66 MHZ	1-2,3-4,5-6,7-8	2-3	1-2	1-2	1-2	2-3	1-2	1-2	OPEN	2X
6X86L 150 2.8/3.3V	60 MHZ	7-8	2-3	2-3	1-2	1-2	2-3	1-2	1-2	1-2,3-4, 5-6	2X
6X86L 166 2.8/3.3V	66 MHZ	7-8	2-3	1-2	1-2	1-2	2-3	1-2	1-2	1-2,3-4, 5-6	2X
6X86L 200 2.8/3.3V	75 MHZ	7-8	2-3	1-2	2-3	1-2	2-3	1-2	1-2	1-2,3-4, 5-6	2X
6X86MX 166 2.9/3.3V	66 MHZ	1-2,7-8	2-3	1-2	1-2	1-2	2-3	1-2	1-2	1-2,3-4, 5-6	2X
6X86MX 200 2.9/3.3V	75 MHZ	1-2,7-8	2-3	1-2	2-3	1-2	2-3	1-2	1-2	1-2,3-4, 5-6	2X
6X86MX 233 2.9/3.3V	75 MHZ	1-2, 7-8	2-3	1-2	2-3	1-2	2-3	2-3	1-2	1-2,3-4, 5-6	2.5X
MII 300 2.9/3.3V	66 MHZ	1-2, 7-8	2-3	1-2	1-2	1-2	1-2	1-2	1-2	1-2, 3-4, 5-6	3.5X

NOTE: INTEL® I740 AGP CARD ONLY SUPPORTS INTEL® BX/EX/LX CHIPSETS. IT DOES NOT SUPPORT THIS MAIN BOARD AT PRESENT.

Explanation:

JP8 - JP10 - CPU Speed Selector

Jumper	50MHZ	60MHZ	66MHZ	75MHZ
JP8	2-3	2-3	1-2	1-2
JP9	2-3	1-2	1-2	2-3
JP10	2-3	1-2	1-2	1-2
PCICLK	25	30	33.3	37.5

JP1 - Flash ROM Voltage Selector

Description	JP1
5V (SST,Winbond)	1-2
12V (Intel,MXIC)	2-3

JP3 - CMOS Selector

Description	JP3
Normal (default)	1-2
Clear CMOS (clear password)	2-3

JP4- Power Selection

1-2	For AT Power
2-3	For ATX Power

JP5 - CPU Voltage Selector

JP5	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

JP6 - DIMM Voltage Selector

Description	JP6
5V DIMM	1-2, 3-4
3.3V DIMM	5-6, 7-8

JP7 –Cache Function Selector

Description	JP7
Interface Burst for Intel, AMD, CPU	1-2
Linear Burst for Cyrix & IBM CPU	2-3

JP11-JP13 - CPU/BUS Ratio

Ratio	JP11	JP12	JP13
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

1-3 Connectors

*CN4 – PS/2 Mouse

Pin	Description
1	Mouse Clock
2	Mouse Data
3	N.C.
4	Ground
5	+5V DC

*CN3 - Keyboard Connector

Pin	Description
1	Keyboard Clock
2	Keyboard Data
3	N.C.
4	Ground
5	+5V DC

*JP2 - USB Connector

*CN5 - AT Power Supply Connector

Pin	Description	Pin	Description
1	Power Good	7	Ground
2	+5V DC	8	Ground
3	+12V DC	9	-5V DC
4	-12V DC	10	+5V DC
5	Ground	11	+5V DC
6	Ground	12	+5V DC

Note:

- IDE1 - Primary IDE Connector
- IDE2 - Secondary IDE Connector
- CN9 – Floppy Disk Connector
- COM1, COM2 - Serial Ports Connector
- CN8 - Printer Port Connector

***CN6- ATX Power Supply Connector**

Pin	Description	Pin	Description
1	+3.3V DC	11	+3.3V DC
2	+3.3V DC	12	-12V DC
3	Ground	13	Ground
4	+5V DC	14	Soft-Power
5	Ground	15	Ground
6	+5V DC	16	Ground
7	Ground	17	Ground
8	Power Good	18	-5V DC
9	+5V Standby	19	+5V DC
10	+12V DC	20	+5V DC

***CN7 - Infrared Connector : IR**

Pin	Signal Name
1	IRRX
2	Ground
3	IRTX
4	+5V DC
5	IRRXH
6	+5V DC
7	Ground

