

JP7A, JP7B DIMM Socket Voltage Selectors

Voltage Selectors
3.3V
5.0V

Note: All synchronous DRAM JP7 must be set to 3.3V position.

JP8A, JP8B CPU Speed Selectors

The mainboard has a clock generator that lets you choose the CPU frequency by settings jumpers JP8A, JP8B. You can set the CPU speed to 50/60MHz or 66MHz as shown below.

CPU Speed				
Jumpers	66MHz	60MHz	55MHz	50MHz
JP8A	Shut	Open	Open	Shut
JP8B	Open	Shut	Open	Shut

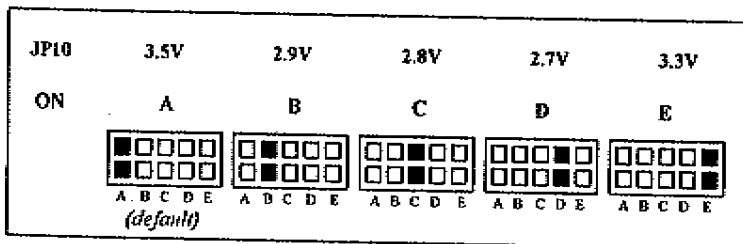
Note: Default set at 66MHz

JP9A, JP9B CPU Internal Clock Speed Selectors

Intel	Cyrix	AMD	JP9A	JP9B
x2.0 (default)	x2.0	Reserved	Shut	Open
x1.5	Reserved	x1.5	Open	Open
x2.5	Reserved	Reserved	Shut	Shut
x3.0	Reserved	Reserved	Open	Shut

Note: CPU Internal Clock Speed = External Input Clock x (table list) factor.

JP10 PS4C/P55C CPU Voltage Selectors



Note: JP10 all OFF: 2.5V

2.2 External Cache Configuration

This mainboard supports a cache module socket you can install pipeline burst SRAM on a cache module in the cache module slot, the cache module size can either 256KB or 512KB.

Cache Type	Size	Data Chip Size	Tag Chip Size
Pipeline Burst	256KB	32k 32 x 2pcs	8k 8, 16k 8 or 32k 8 x 1pc
	512KB	32k 32 x 4pcs	16k 8 or 32k 8 x 1pc
	512KB	64k 32 x 2pcs	16k 8 or 32k 8 x 1pc

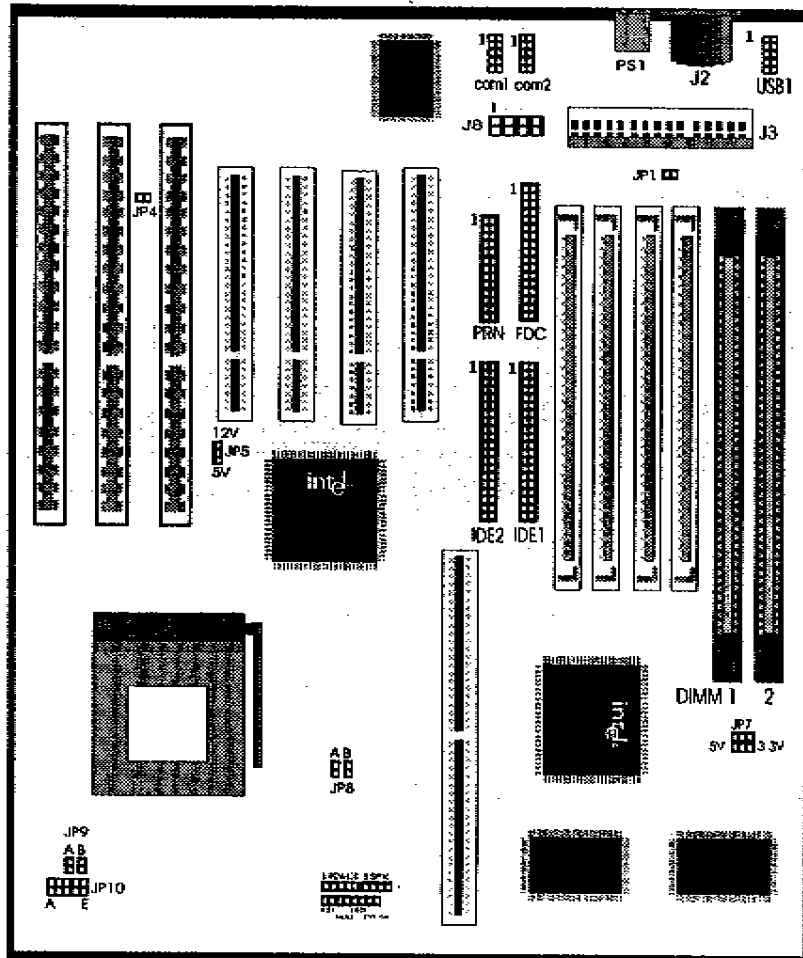
2.3 Memory Installation

The mainboard lets you add up to 128MB of system memory via SIMM & DIMM sockets on the mainboard. Four SIMM sockets on the mainboard are divided into two banks: Bank 0, Bank 1. Each bank consists of two 72-pin SIMM modules. The mainboard supports the following memory configurations and DIMM socket consists of one 168-pin DIMM Module.

SIMM Socket 1&2	SIMM Socket 3&4	DIMM DIM 1	DIMM DIM 2	Total Memory
4MBx2	None	None	None	8MB
8MBx2	None	None	None	16MB
16MBx2	None	None	None	32MB
32MBx2	None	None	None	64MB
None	4MBx2	None	None	8MB
None	8MBx2	None	None	16MB
None	16MBx2	None	None	32MB
None	32MBx2	None	None	64MB
None	None	8MB	None	8MB
None	None	16MB	None	16MB
None	None	32MB	None	32MB
None	None	64MB	None	64MB
None	None	None	8MB	8MB
None	None	None	16MB	16MB
None	None	None	32MB	32MB
None	None	None	64MB	64MB
4MBx2	4MBx2	None	None	16MB
8MBx2	8MBx2	None	None	32MB
16MBx2	16MBx2	None	None	64MB
32MBx2	32MBx2	None	None	128MB
None	None	8MB	8MB	16MB
None	None	16MB	16MB	32MB
None	None	32MB	32MB	64MB
None	None	64MB	64MB	128MB
4MBx2	None	None	8MB	16MB
8MBx2	None	None	16MB	32MB
16MBx2	None	None	32MB	64MB
32MBx2	None	None	64MB	128MB

2. Hardware Configuration

Mainboard Component Locations



2.1 Jumpers & Connectors

Jumpers/Connector	Description
J2	Keyboard Connector
J3	Power Supply Connector
J6	Power-LED Keylock & Connector
J6	Speaker Connector
J7	HDD LED Connector
J7	Reset Switch
J7	External Battery Selector
J8	PS/2 Mouse Connector
JP1	Clear CMOS
JP4	AT Bus Clock Selector
JP5	FlashRom Voltage Selector
JP7A, JP7B	DIMM Socket Voltage Select
JP8A, JP8B	CPU Speed Selectors
JP9A, JP9B	CPU Internal Clock Speed Selectors
JP10	P54C/P55C CPU Voltage Selectors

J2 Keyboard Connectors

A standard five-pin female DIN keyboard connector is located at the rear of the board J2.

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

J2 USB Universal Serial Bus Connector

Pin	Description	Pin	Description
1	+5 VDC	7	+5 VDC
2	DATA -	8	DATA -
3	DATA +	9	DATA +
4	Ground	10	Ground
5	N.C.	11	N.C.

COM 1 : Serial port #1
 COM 2 : Serial port #2
 PRN 1 : Parallel port

P.02
 852 2334 0775

25-MAR-1999 15:57

J3 Power Supply Connectors

The power supply connectors are two six-pin male header connectors. Plug the dual connectors from the power directly onto the board connectors. Most of the power supply have two leads. Each lead has six wires. Two of which are black, orient the connectors, so the black wires are in the middle.

The black wires should be in the middle



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

J6 Power-LED Keylock & Power-LED Connector

J6 is a keylock connector that enables and disables the keyboard and the Power-LED on the case.

Pin	Description
1	LED Output
2	NC
3	Ground
4	Keylock

J6 SPK Speaker Connectors

Attach the system speaker to connector J6.

Pin	Description
1	DATA Out
2	NC
3	Ground
4	+ 5V

J7 HDD LED Connector

Pin	Description
1	5V
2	Active Low

J7 Reset Switch Connector

Attach the Reset switch cable to this connector.

Setting	Description
Open	Normal Mode
Short	Reset System

J7 External Battery Selectors

Description	J7
Normal Mode (default)	Open

J8 PS/2 Mouse Connector
2 x 4 pin header

PS1 : PS/2 Mouse Connector

JP1 Clear CMOS

Setting	Description
Open	Default
Short	Clear CMOS

JP4 AT Bus Clock Selector

Description	JP4
PCI Clock/4 (default)	1-2
PCI Clock/3	2-3

Note: CPU Speed=60MHz or 66MHz JP4 set to 1-2
CPU Speed=50MHz JP4 set to 2-3

JP5 Flash ROM Voltage Selector

The mainboard can uses two types of Flash ROM - 5 volt and 12 volt. Set the mainboard for either type with jumper JP5. You can update both types with new BIOS files as they come available.

Description	JP5
12 volt Flash ROM	1-2
5 volt Flash ROM	2-3

852 2334 0775 P.03

25-MAR-1999 15:57

TOTAL P.03