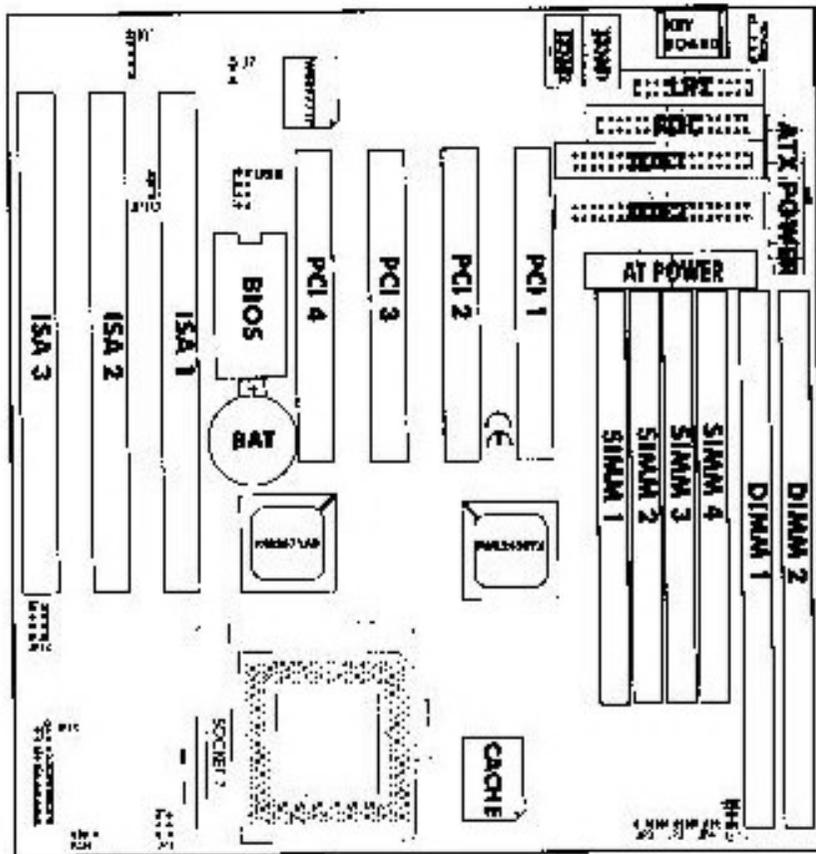## MAINBOARD LAYOUT DRAWING:

MEMORY INSTALLATION

No jumper setting is necessary for DRAM setting , BIOS will check DRAM type and size automatically . 586TB main board contains four by 72-pin SIMM sockets (SIMM1, SIMM2, SIMM3 and SIMM4) to support 4MB, 8MB, 16MB, 32MB, or 64MB to from a memory size between 8MB to 256MB , support both **FAST PAGE MODE (FPM)** and **EXTENDED DATA OUTPUT (EDO) SIMMs** .

Two by 168-pin **DIMM** sockets (DIMM1, DIMM2) to support 8MB, 16MB, 32MB, 64MB, 128MB or 256MB to from a memory size between 8MB to 512MB , support **FAST PAGE MODE (FPM)** , **EXTENDED DATA OUTPUT (EDO/3.3V)** and **SYNCHRONOUS DYNAMIC RANDOM ACCESS MEMORY (SDRAM) DIMMs**

SIMM module sockets are divided in two bank ; SIMM1 and SIMM2 in BANK 1 , SIMM3 and SIMM4 in BANK 2   Minimum user has to install two DRAM SIMMs . DIMM module sockets are divided in tree banks: DIMM1 in BANK 1, DIMM2 in BANK 2 and DIMM3 in BANK 3. 586TB main board has table-free (or auto-bank) feature and user can install DIMM into any bank.

NOTE : DIMM 1 BANK = (SIMM 1 + SIMM 2) BANK

DIMM 2 BANK = (SIMM 3 + SIMM 4) BANK

> But cannot mix up SIMM with DIMM since chips limitation .
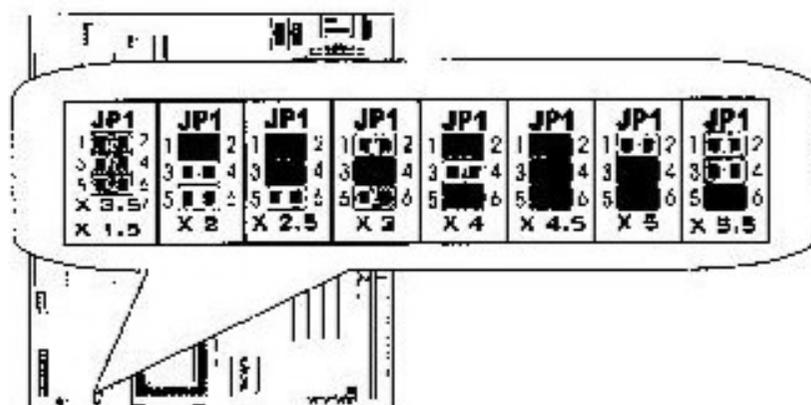
CPU QUICK INSTALLED TABLE

INTEL CPU	CPU CLK			CPU RATIO (JP1)			CPU VOLT (JP16)			
	JP2	JP3	JP4	1-2	3-4	5-6	1-2	3-4	5-6	7-8
P (MMX) - 233MHz	1-2	1-2	1-2	O	O	O	S	O	O	O
P (MMX) - 200MHz	1-2	1-2	1-2	O	S	O	S	O	O	O
P (MMX) - 166MHz	1-2	1-2	1-2	S	S	O	S	O	O	O
PENTIUM - 200MHz	1-2	1-2	1-2	O	S	O	S	S	S	O
PENTIUM - 166MHz	1-2	1-2	1-2	S	S	O	S	S	S	O
PENTIUM - 150MHz	1-2	1-2	2-3	S	S	O	S	S	S	O
PENTIUM - 133MHz	1-2	1-2	1-2	S	O	O	S	S	S	O
PENTIUM - 120MHz	1-2	1-2	2-3	S	O	O	S	S	S	O
PENTIUM - 100MHz	1-2	1-2	1-2	O	O	O	S	S	S	O
PENTIUM - 90MHz	1-2	1-2	2-3	O	O	O	S	S	S	O
PENTIUM - 75MHz	2-3	2-3	2-3	O	O	O	S	S	S	O

AMD CPU	CPU CLK			CPU RATIO (JP1)			CPU VOLT (JP16)			
	JP2	JP3	JP4	1-2	3-4	5-6	1-2	3-4	5-6	7-8
K6 - 266MHz	1-2	1-2	1-2	S	O	S	O	O	S	O
K6 - 300MHz	1-2	1-2	1-2	S	S	S	O	O	S	O
K6 - 266MHz	1-2	1-2	1-2	S	O	S	O	O	S	O
K6 - 233MHz	1-2	1-2	1-2	O	O	O	S	S	O	O
K6 - 200MHz	1-2	1-2	1-2	O	S	O	S	O	O	S
K6 - 166MHz	1-2	1-2	1-2	S	S	O	S	O	O	S
K5 - PR166	1-2	1-2	1-2	S	S	O	S	S	S	S
K5 - PR150	1-2	1-2	2-3	S	S	O	S	S	S	S
K5 - PR133	1-2	1-2	1-2	S	O	O	S	S	S	S

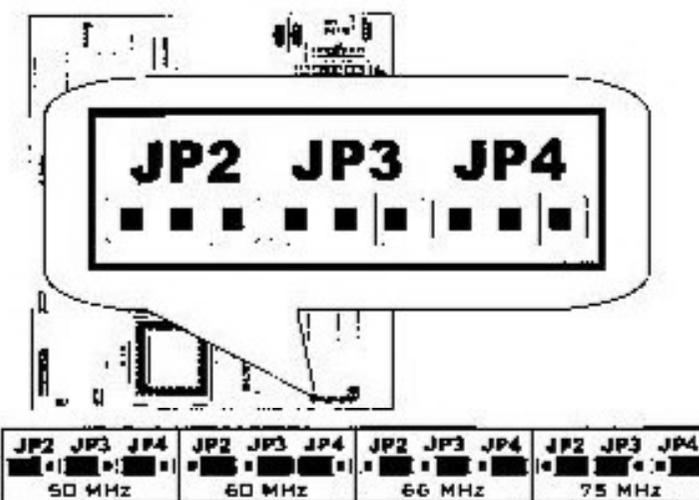| CYRIX CPU	CPU CLK			CPU RATIO (JP1)			CPU VOLT (JP16)			
	JP2	JP3	JP4	1-2	3-4	5-6	1-2	3-4	5-6	7-8
6x86MX - 300MHz	1-2	2-3	1-2	O	S	O	S	O	O	S
6x86MX - 233MHz	1-2	2-3	1-2	S	S	O	S	O	O	S
6x86MX - 200MHz	1-2	2-3	1-2	S	O	O	S	O	O	S
6x86MX - 200MHz	1-2	1-2	1-2	S	S	O	S	O	O	S
6x86MX - 166MHz	1-2	1-2	1-2	S	O	O	S	O	O	S
6x86L - P200 (150MHz)	1-2	2-3	1-2	S	O	O	S	O	O	O
6x86L - P166 (133MHz)	1-2	1-2	1-2	S	O	O	S	O	O	O
6x86L - P150 (120MHz)	1-2	1-2	2-3	S	O	O	S	O	O	O
6x86 - P166 (133MHz)	1-2	1-2	1-2	S	O	O	S	S	S	O
6x86 - P150 (120MHz)	1-2	1-2	2-3	S	O	O	S	S	S	O

Note: O - OPEN S - SHORT

JUMPER SETTING

1. CPU TO BUS FREQUENCY RATIO JUMPER SETTING (JP1) :

2. CPU CLOCK JUMPER SETTING (JP2, JP3, JP4) :

3. CPU VOLTAGE JUMPER SETTING (JP16) :

JP16	JP16	JP16	JP16	JP16	JP16	JP16	JP16
2.0V	2.1V	2.2V	2.3V	2.4V	2.5V	2.6V	
2.7V	2.8V	2.9V	3.0V	3.1V	3.2V	3.3V	3.5V
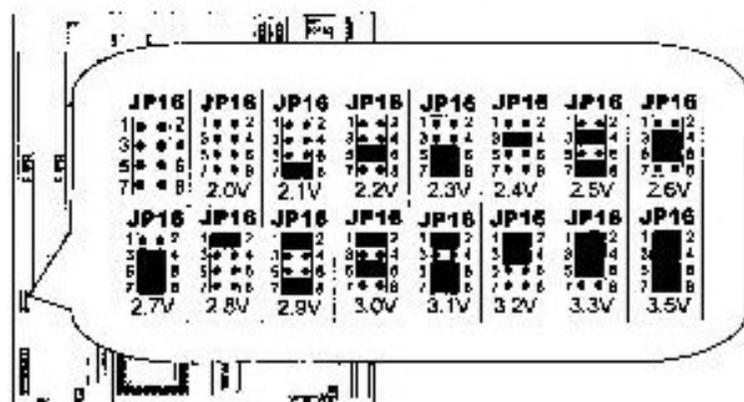
QUICK TO SETTING CPU TYPE

CPU		JP2 JP3 JP4	
PENTIUM - 75 MHz 5K86 - P75		50 MHz	
PENTIUM - 90 MHz 5K86 - P90		60 MHz	
PENTIUM - 100 MHz 5K86 - P100		66 MHz	
PENTIUM - 120 MHz		60 MHz	
PENTIUM - 133 MHz		66 MHz	
PENTIUM - 150 MHz		60 MHz	
PENTIUM - 166 MHz		66 MHz	
PENTIUM - 200 MHz		66 MHz	
PENTIUM - 166 MHz (MMX)		66 MHz	
PENTIUM - 200 MHz (MMX)		66 MHz	
PENTIUM - 233 MHz (MMX)		66 MHz	
AMD K5 - PR133		66 MHz	
AMD K5 - PR150		60 MHz	
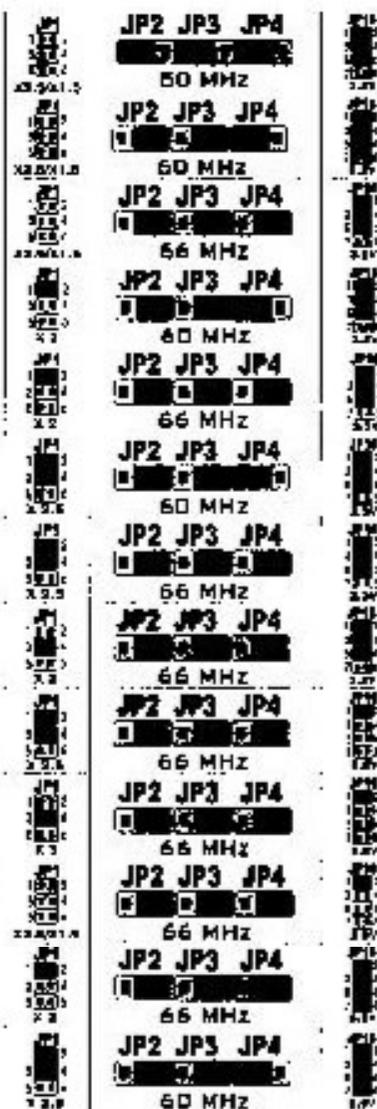
CPU	JP1	JP2 JP3 JP4	
AMD K5 - PR166		66 MHz	
AMD K6 - PR166		66 MHz	
AMD K6 - PR200		66 MHz	
AMD K6 - PR233		66 MHz	
6X86 - P150(120MHz)		60 MHz	
6X86 - P166(133MHz)		66 MHz	
6X86L - P150(120MHz)		60 MHz	
6X86L - P166(133MHz)		66 MHz	
6X86L - P200(150MHz)		75 MHz	
6X86MX - 166MHz		66 MHz	
6X86MX - 200MHz		66 MHz	
6X86MX - 200MHz		75 MHz	

4. 168-pin DIMM VOLTAGE JUMPER SETTING (J1, J2) :

J2 J1	J2 J1	J2 J1
	5 V	3.3 V
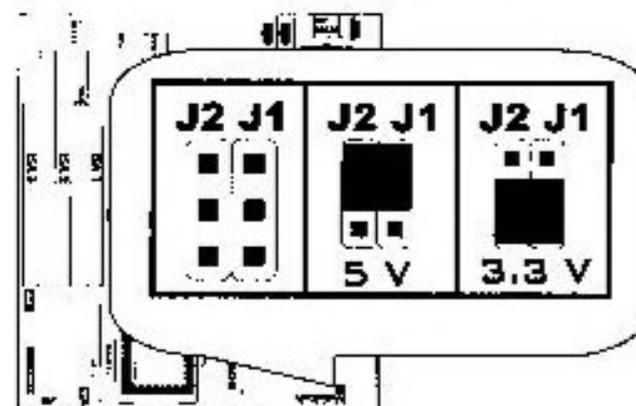
5. BIOS VOLTAGE JUMPER SETTING (JP10) :

JP10	JP10	JP10
	+5 V	+12 V
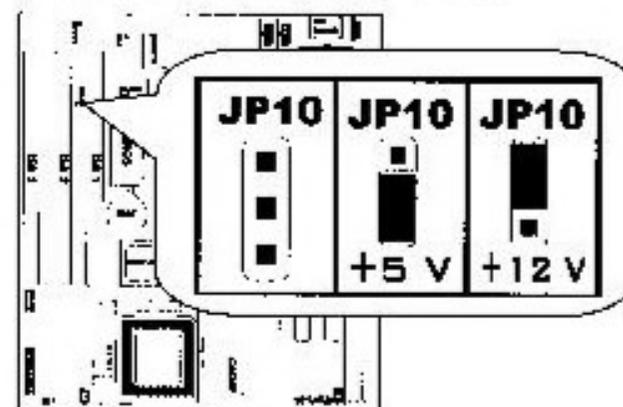
6. CMOS CLEAR (J7) :
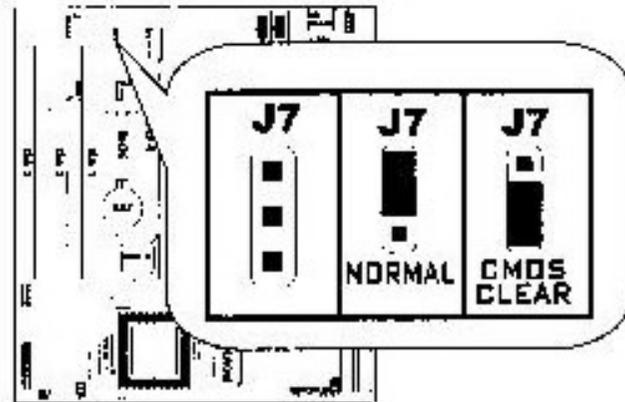
7. BATTERY :

BATTERY
CR2032 3V
LITHIUM CELL
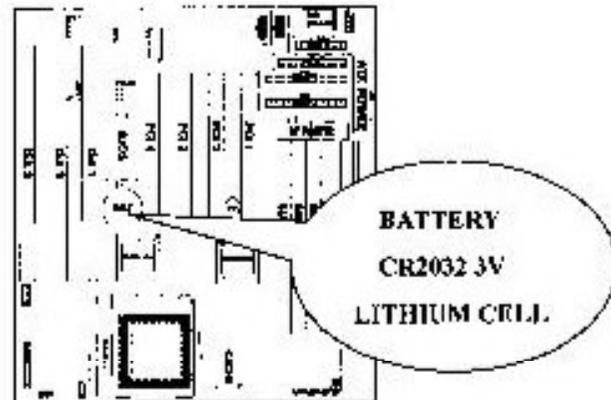
8. AT POWER SUPPLY CONNECTOR :
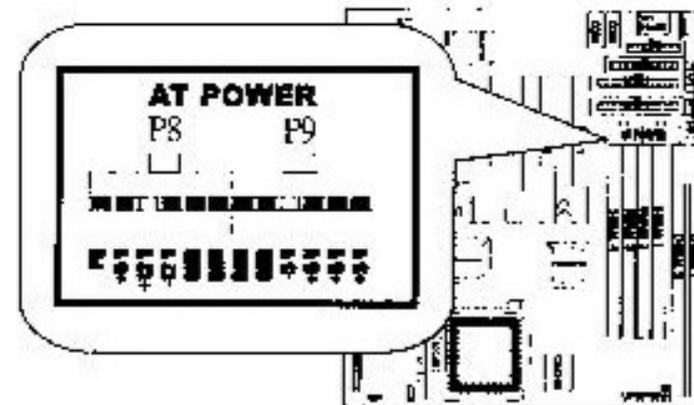
9. ATX POWER SUPPLY CONNECTOR (CN3) :
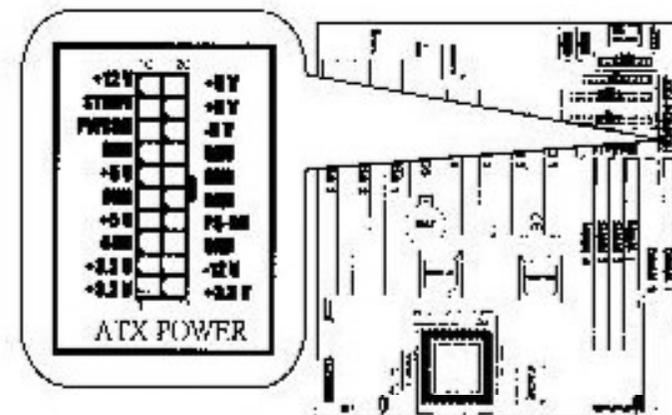
10. SYSTEM PANEL CONNECTORS (JP19) :


```
JP19
                    20
POWER LED  ::   SPEAKER
                    +5V
KEY LOCK   ::
HDD LED -  ::   +HDD LED
SMI SW     ::   GND
RESET      ::   GND
TURBO LED- ::   +TB LED
SMI LED    ::   +SMI LED
PS-ON      ::   +3VSB
           1    2
```
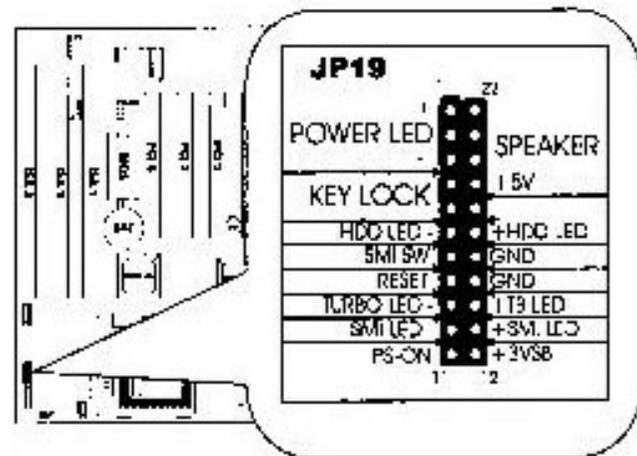
11. IR CONNECTOR (IR1) :


```
IR1
■  +5 V
■
■  IRRX
■  GND
■  IRTX
```
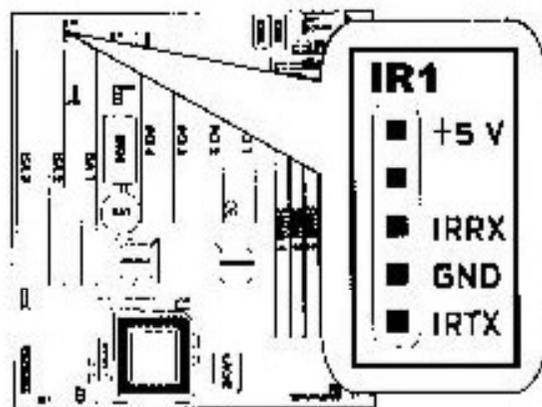
BIOS SETTING

Introduction

This manual discusses Award's Setup program built into the ROM BIOS. The Setup program allows users to modify the basic system configuration. This special Information is then stored in battery back-up RAM so that it retains the Setup information when the power is turned off.

The Award BIOS installed in your computer system ROM (Read Only Memory) is a custom version of an industry standard BIOS. This means that it supports Intel/Cyrix/AMD/ C6 processors in a standard IBM-AT compatible input/output system. The BIOS provides critical low-level support for standard devices such as disk drives, serial and parallel ports.

The Award BIOS has been customized by adding important, but non-standard, features such as virus and password protection as well as special support for detailed fine-tuning of the chipset controlling the entire system.

The rest of this manual is intended to guide you through the process of configuring your system using Setup.

Starting Setup

The Award BIOS is immediately activated when you first power on the computer. The BIOS reads the system information contained in the CMOS and begins the process of checking out the system and configuring it. When it finishes, the BIOS will seek an operating system on one of the disks and then launch and turn control over to the operating system.

While the BIOS is in control, the Setup program can be activated in one of two ways:

1. By pressing <Del> immediately after switching the system on, or

2. by pressing the <Del> key when the following message appears briefly at the bottom of the screen during the POST (Power On Self Test).

   Press <DEL> to enter SETUP.

If the message disappears before you respond and you still wish to enter Setup, restart the system to try again by turning it OFF then ON or pressing the "RESET" button on the system case. You may also restart by simultaneously pressing

MAINBOARD LAYOUT DRAWING: