Jumpers and Connectors Reference
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Before installing the mainboard, make sure that the jumper settings are
properly set for your configuration . The fUnction of different jumpere are
respectively as follows :

```
CPU Clock Frequency Selector ................ JP17, JP18
CPU Internal Clock Multiplier .............. JP31, JP32
CPU Voltage Selector ....................... JP36
Cache Configuration ........................ JP20, JP39
Flash ROM Voltage Selector ................. JP14
CMOSCharge/Discharge ....................... JP13
AT Bus Clock Speed Selector ................ JP15
```

Mainboard Connectors:
```
Onboard HDD LED Connector .................. J3
Reset Switch Connector...................... J2
Speaker Connector .......................... J1
Keylock and Power LED Connector............. J4
PS/2 mouse Connector ....................... MS2
Keyboard Connector ......................... KBI
Power Supply Connector ..................... PWI
Turbo Switch Connector ..................... J7
Turbo LED Connector ........................ J6
SMI Switch Connector ....................... JP16
```

Jumper Caps reference :
```
Red         Jumper for    Voltage Selector
White       Jumper for    Cpu Type
Yellow      Jumper for    Clock Selector
Blue        Jumper for    Cache Option
Black       Jumper for    Other
```

CPU JUMPER SETTING
==================
When you look for jumper setting for configuration. Please refer to
Mainboard Layout mainboard placement chart.

CPU SPEED		CPU Clock Selector Yellow Jumper Cap			CPU Internal Clock Selector White Jumper Cap		
		JP17	JP18		JP31	JP32	
PP-75	Mhz	CL	CL	50Mhz	OP	OP	x1.5
PP-100	Mhz	CL	CL	50Mhz	OP	CL	x2
PP-90	Mhz	OP	CL	60Mhz	OP	OP	x1.5
PP-120	Mhz	OP	CL	60Mhz	OP	CL	x2
PP-150	Mhz	OP	CL	60Mhz	CL	CL	x2.5
PP-100	Mhz	CL	OP	66Mhz	OP	OP	x1.5
PP-133	Mhz	CL	OP	66Mhz	OP	CL	x2
PP-166	Mhz	CL	OP	66Mhz	CL	CL	x2.5
P54CT-180		OP	CL	60Mhz	CL	OP	x3
P54CST-200		CL	OP	66Mhz	CL	OP	x3

NOTE: Using PP75/90/100/120/133 JP31 must be set to OPEN.

CYRIX 6X86 CPU

	JP17	JP18		JP31	JP32	
6X86-P120 (100Mhz)	CL	CL	50 Mhz	OP	OP	x2
6X86-P150 (120 Mhz)	OP	CL	60 Mhz	OP	OP	x2
6X86-P166 (133 Mhz)	CL	OP	66 Mhz	OP	OP	x2

```
CPU VOLTAGE SELECTOR (Red Jumper Cap)
=====================================
JP36   1-2      3.38 Volts for Intel P54C Standard CPU Type (for most CPU)
       2-3      3.53 Volts for Intel P54C VRE CPU Type


Cache Configuration
===================
Cache Configuration is used to configure the external cache of the mainboard.
External cache can be configured by using 32K * 32 and 64K*32 SRAM / Synchronous
cache or Cache module.

A.     Onboard Synchronous Cache
          256K cache size JP20   JP39    SRAM(U31,U32) TAG RAM(U19)
                          3-4    1-2     32K* 32       8K*8
          512K cache size JP20   JP39    SRAM(U31,U32) TAG RAM (U19)
                          1-2    1-2     64K*32        16K*8

B.     Synchronous Cache on board upgrade to 512K using Win CD012
          Synchronous Cache Module
          Onboard 256K Cache plus Win CD012 256K Cache Module = 512K Cache
                          JP20   JP39    SRAM(U31,U32) TAG RAM (U19)
                          2-3    2-3     32K*32        8K*8
NOTE: Upgrade function can only be achieved with WIN CD012 Cache Module.
      Please call Edom International Corporation at (510) 659-8882 for CD012
      cache module.


AT Bus Clock Speed Selector (Yellow jumper cap)

JP15            1-2     PCI Clock 1/3
                2-3     PCI Clock 1/4


Flash ROM Voltage Selector (Red jumper cap)

JP14            1-2     Flash ROM 12 Volts   (Intel Brand)
                2-3     Flash ROM  5 Volts   (SST / WINBOND Brand)

NOTE: Brand name is under ROM BIOS.



                         Memory Configuration
                         ====================
        Bank O          Bank 1          Total Memory
        SIMM 1 & 2      SIMM 3 &4

        4MB  x2         None            8MB
        None            4MB  x2         8MB

        8MB  x2         None            16MB
        None            8MB  x 2        16MB
        4MB  x2         4MB  x2         16MB

        8MB  x 2        4MB  x 2        24NB
        4MB  x2         8MB  x2         24MB

        8MB  x 2        8MB  x 2        32MB
        None            16MB  x 2       32MB
        16MB  x 2       None            32MB

        4MB  x 2        16MB  x 2       40MB
        16MB  x 2       4MB  x 2        40MB

        8MB  x 2        16MB  x 2       48MB
        16MBx2          8MBx2           48MB
```

```
        32MB x 2          None             64MB
        None              32MBx2           64MB
        16MB x 2          16MB x 2         64MB

        32MBx2            4MBx2            72MB
        4MB x 2           32MB x 2         72MB

        8MB x 2           32MB x 2         80MB
        32MB x 2          8MB x 2          80MB

        16MB x 2          32MB x 2         96MB
        32MB x 2          16MB x 2         96MB

        32MB x 2          32MB x 2         128MB
```

IMPORTANT : Do not use SIMM modules with more than 24 chips per 72 pin and 9
            chips per 30 pin module with this mainboard. Module with
            more that 24 or 9 chips exceeds the design specification of the
            memory subsystem.

CMOS Charge / Discharge
=======================
CMOS Charge / Discharge is used to discharge and charge CMOS. lf you discharge
the CMOS all the data will be erased. To discharge CMOS just close JP13
without turning on the power supply.

JP13   OPEN   Charge CMOS
        CLOSE   Reset CMOS

                         Mainboard Connectors
                         ====================
J1   Speaker connector will be connected to the speaker ofyour computer
        case.

J2   Reset Switch connector will be connected in your computer case front
        panel. Resetting the system , it will restart the computer from
        self-test without turning off the power supply. This connection is
        always at "off" position.

J3   Onboard HDD LED connector will be connected in your computer case
        front pannel.

J4   Keylock and Power LED connector will be connected in your computer
        case front panel. Keylock is used to lock the keyboard. Power LED will
        light up when you turn on your power supply.

J7   Turbo Switch Connector will be connected in your computer Case front
        pannel.

J6   Turbo LED Connector will be connected in your computer Case front
        pannel.

MS2   PS/2 Mouse connector. this is used for PS/2 mouse. (In mainframe case)

KB2   Keyboard connector,this is used for inputting signal from the keyboard.

PW1   Power Supply connector is connected from the output of the powe supply.
        Most of the power supply has two connectors which will be connected
        tothe mainboard. Each connector has six wires ,two of the wires are
        black. To connect to the mainboard, make sure that the black wire is in
        the middle. Wrong connection will cause damage to the mainboard.

                         AWARD BIOS SETUP
Award BIOS support plug and play function and has a built-in setup program
that allows the users to modify the basic system configuration. This type of

information is stored in CMOS so that it retains the setup information when the power is turned off.

1.   Turn on or reboot the system. when the below message appears at the bottom of the screen during the POST (Power On Self Test) press DEL key to enter setup.

2.   Press the DEL key to enter the Award BIOS program and the main menu will appear on the screen. The main menu allows you to select from ten setup functions and two exit choices.

3.   For the safe, please select "LOAD SETUP DEFAULTS" for BIOS setup.