

Jumper settings

Set the Jumper

JP1 default setting is [1-2], to (2-3) to clear CMOS.

JP4 default setting is [1-2] to Panel speaker out, to (2-3) to mix out AC97 codec .

JP6 default setting is OPEN, to Enable AC97 CODEC, to CLOSE to Disable AC97 CODEC.

JP7 default setting is OPEN, to Enable MC97 CODEC, to CLOSE to Disable MC97 CODEC.

7 Quick Steps

Please follow these steps in order to assure that your series of Mainboard installation is successful. Please refer to the back chapters for further information regarding boot-up and configurations. An anti-static wrist band is recommended when handling electronic components, be sure your work area is static free before you begin this section.

1 Installing the CPU

The Mainboard provides a 370 pins, Socket 370. The CPU should have a fan attached to prevent overheating. If a fan is not present, user should purchase a fan prior to turning on the system. The recommended heatsinks for the Socket 370 processor are those with three-pin fans that can be connected to the fan connectors on the Mainboard. It provides the +12 Volts DC for your CPU cooling fan.





CAUTION!

Be sure that sufficient air circulation must be available across the processor's heatsink. Without sufficient circulation, the processor could overheat and damage both the processor and the mainboard. You may install an auxiliary fan if necessary.

Memory is installed in DIMM Sockets 1-3 (F Mainboard in diagram) as follows :

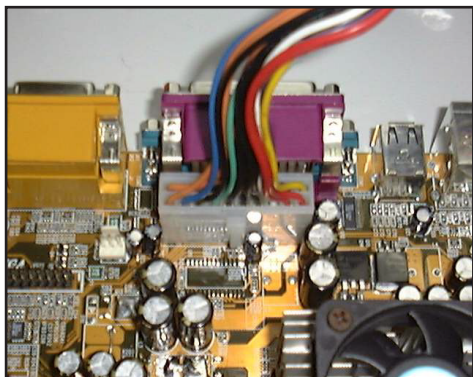


After you have set the DIMM firmly into its socket, snap the white chip holders up to lock in the DIMM.

Attaching ATX Power Supply.

ATX Power Supply Connector (20-pin ATXPWR)

The single 20-pin connector (B in mainboard diagram) incorporates standard $\pm 5V$ and $\pm 12V$, with a standby 5V. With a power supply that supports remote power on/off, the mainboard can turn off the system power through the software control, such as the shutdown in Windows 95 Start Menu. The BIOS system will turn the system power off when it receives the proper APM command from the OS. APM must be enabled in the BIOS and OS systems in order for the soft-off feature to work properly.



ATX Power Connector



Attaching the power supply wire

IMPORTANT: Wire should always be connected with the red stripe on the Pin 1 side of the connector. The four corners of the connector's are labeled on the mainboard.

4

Floppy Disk Drive Connector (34-pin FLOPPY).

This is a 34-pin connector that supports the provided floppy drive ribbon cable. After connecting the single end to the on-board “FLOPPY” connector, (O in mainboard diagram) connect the remaining plugs on the other end to the corresponding floppy drives.



Floppy connection



IDE connection

5

IDE Device Connector.

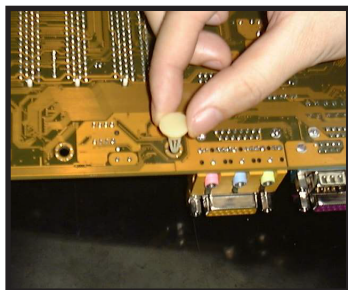
The on-board IDE connectors (P in mainboard diagram) support the provided 40/80-pin IDE hard disk ribbon cable. After connecting the single end to the mainboard, connect the remaining plugs at the other end of your hard disk(s). If you install hard disks, you must configure the drives by setting its jumpers according to the documentation of your hard disk.

Also, you may connect the hard disk drives so that both become Masters, using one ribbon cable on the primary IDE-connector, and the other on the secondary IDE connector.

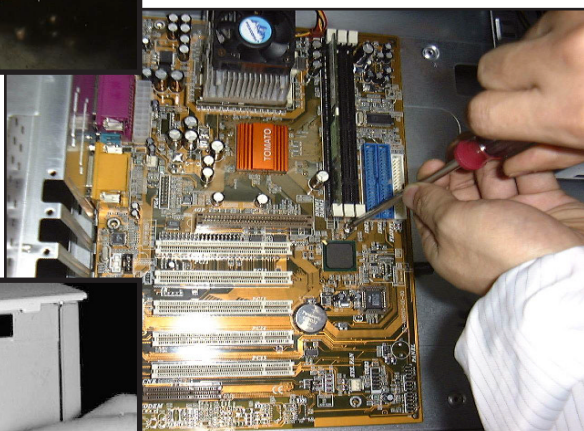
NOTE: For the flat ribbon cable connection, please make sure that the pin 1 of the ribbon cable (the red wire side of the cable) is correctly connected to the on-board connector's pin 1 as shown on the “mainboard diagram”.

Mounting Mainboard to chassis

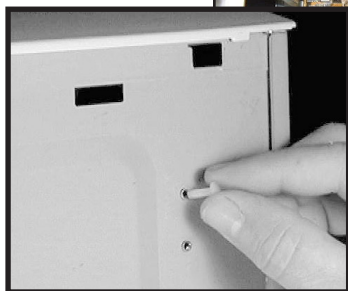
Snap black mounting pins onto the mainboard as shown. Carefully install the mainboard into the computer chassis and align the corresponding mounting holes on the mainboard with the holes on you chassis. While chassis design varies you may need to refer to the chassis manual for the mainboard mounting area. Insert white pins through the chassis and through the mounting holes on the mainboard into the black pin making sure they are snapped fully into place.



Black mounting pin



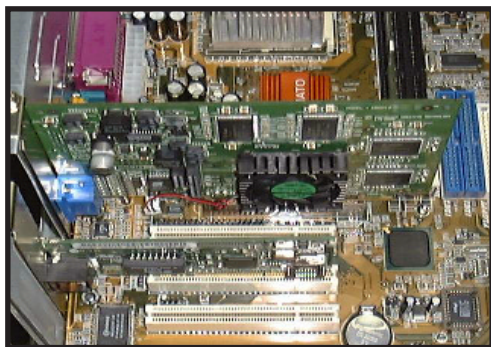
Insert into chassis



Insert white mounting pin

7 Installing Add-in Boards

First read your expansion card documentation for hardware and software settings that may be required to set up your specific card. Set any necessary jumpers on your expansion card and remove the cover plate on your computer case at the slot you intend to use. Keep the plate for possible future use. Carefully align the card's connector and press firmly. Secure the card on the slot with the screw you removed from the cover plate.



PCI Board Installation



Make sure to align rear external I/O connector's with the corresponding openings in chassis shown below (A,C & G in mainboard diagram)

You can now attach the Front Panel Function Connector (M in mainboard diagram) wires and Keyboard, Mouse and Monitor cables to the appropriate ports. Connect the main power cable and boot your system.

Press the DEL key when prompted and continue BIOS configurations discussed in the next chapter.



I/O connectors aligned with openings