VX97 USER'S MANUAL

User's Notice

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The product name and revision number are both printed on the board itself. Manual revisions are released for each board design represented by the digit before and after the period of the manual revision number. Manual updates are represented by the third digit in the manual revision number.

Product Name:	**VX97**
Manual Revision:	**1.01**
Release Date:	**January 1997**

FCC & DOC COMPLIANCE

Federal Communications Commission Statement

This device complies with FCC Rules Part 15. Operation is subject to the following two conditions:

- This device may not cause harmful interference, and
- This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with manufacturer's instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Re-orient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

WARNING: The use of shielded cables for connection of the monitor to the graphics card is required to assure compliance with FCC regulations. Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

Canadian Department of Communications Statement

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

I. INTRODUCTION

How this manual is organized

This manual is divided into the following sections:

I. **Introduction:**   Manual information and checklist
II. **Features:**   Information and specifications concerning this product
III. **Installation:**   Instructions on setting up the motherboard.
IV. **BIOS Setup:**   BIOS software setup information.
V. **DMI Utility:**   BIOS supported Desktop Management Interface

Item Checklist

Please check that your package is complete. If you discover damaged or missing items, please contact your retailer.

☑   The VX97 motherboard

☑   2 serial port ribbon cables attached to a mounting bracket

☑   1 parallel ribbon cable with mounting bracket

☑   1 IDE ribbon cable

☑   1 floppy ribbon cable

☑   Support drivers and utilities as follows (view FILELIST.TXT for details)
   • Flash Memory Writer utility to update the FLASH BIOS
   • Desktop Management Interface (DMI) utility
   • Bus Master IDE Drivers for various operating systems
   • Readme files for descriptions and use of the files

☑   This user's manual

☐   Optional PS/2 mouse cable with mounting bracket
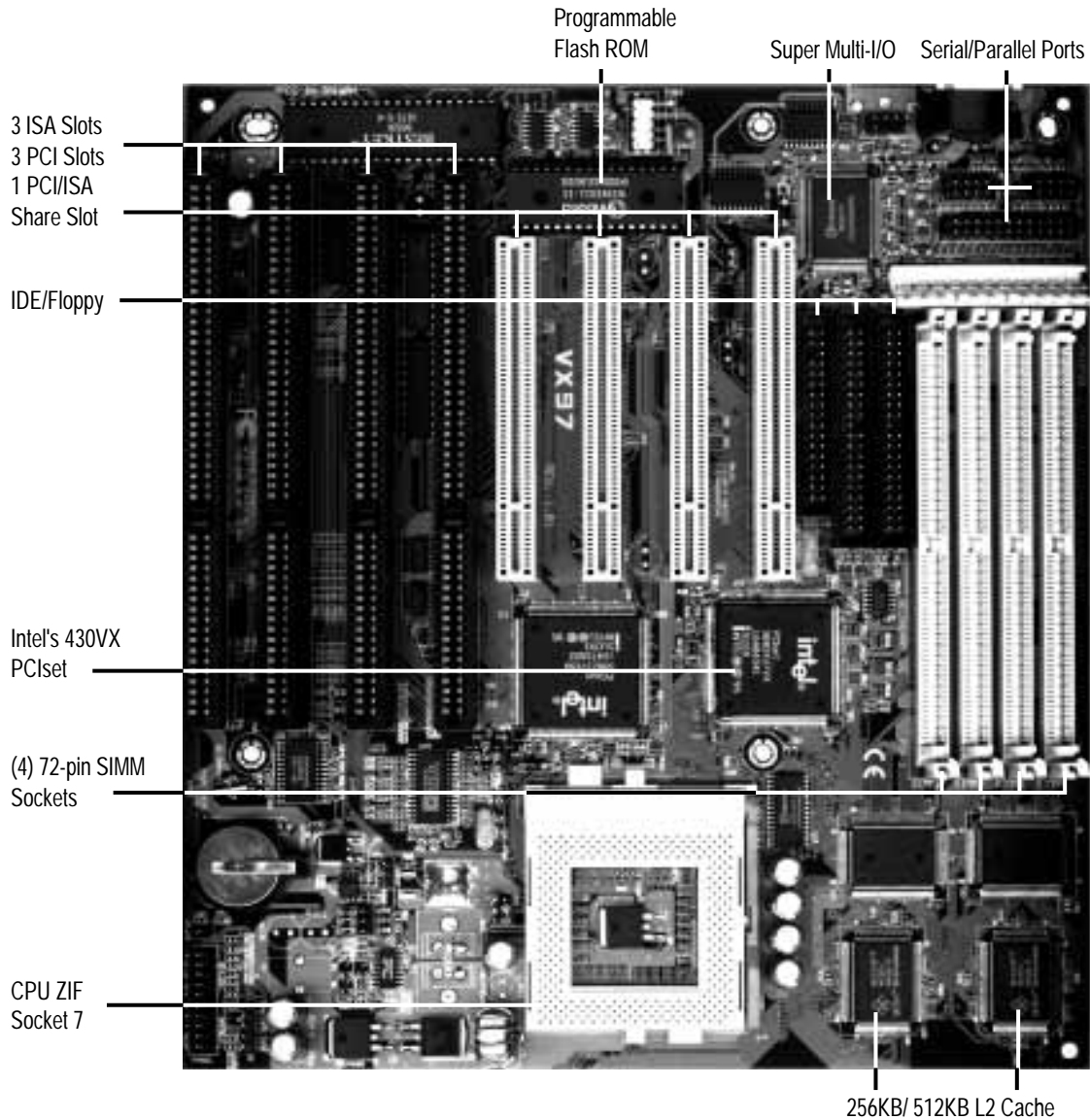
☐   Optional infrared module

II. FEATURES

Features of the VX97 Motherboard

The VX97 is carefully designed for the demanding PC user who wants a great many features in a small package. This motherboard:

- **Easy Installation:** Is equipped with BIOS that supports auto detection of hard drives, PS/2 mouse, and Plug and Play devices to make setup of hard drives, expansion cards, and other devices virtually automatic.

- **Multi-Processor/Multi-Speed Support:** Supports one Intel Pentium 75-200MHz (P55C-MMX, P54C/P54CS), Cyrix P166+ (Rev 2.7 or later), or AMD-K5 (PR75-133MHz) (See page 8).

- **Intel Chipset:** Features Intel's 430VX PCIset with I/O subsystems.

- **Desktop Management Interface (DMI):** Supports DMI through BIOS which allows hardware to communicate within a standard protocol creating a higher level of compatibility. (Requires DMI-enabled components.) (See section V)

- **L2 Cache:** Comes in 256KB or 512KB models.

- **Versatile DRAM Memory Support:** Supports 72-pin SIMMs of 4MB, 8MB, 16MB, or 32MB to form a memory size between 8MB to 128MB. Supports both Fast Page Mode (FPM) and Extended Data Output (EDO) SIMMs.

- **ISA and PCI Expansion Slots:** Provides three PCI slots, three ISA slots, and one PCI/ISA share slot.

- **Super Multi-I/O:** Provides two high-speed UART compatible serial ports and one parallel port with EPP and ECP capabilities. UART2 can also be directed from COM2 to the Infrared Module for wireless connections. Two floppy drives of either 5.25" or 3.5" (1.44MB or 2.88MB) are also supported without an external card. **The Japanese "Floppy 3 mode" (3.5" 1.2MB) floppy standard is also supported.**

- **PCI Bus Master IDE Controller:** Comes with an onboard PCI Bus Master IDE controller with two connectors that supports four IDE devices in two channels, provides faster data transfer rates, and supports Enhanced IDE devices such as Tape Backup and CD-ROM drives. This controller supports PIO Modes 3 and 4 and Bus Master IDE DMA Mode 2. **BIOS now supports IDE CD-ROM or SCSI bootup.**

- **Optional IrDA and PS/2 Mouse Connector:** This motherboard supports an optional infrared port module for wireless interface and a PS/2 mouse cable set.

- **NCR SCSI BIOS:** This motherboard has firmware that supports optional NCR SCSI controller cards.
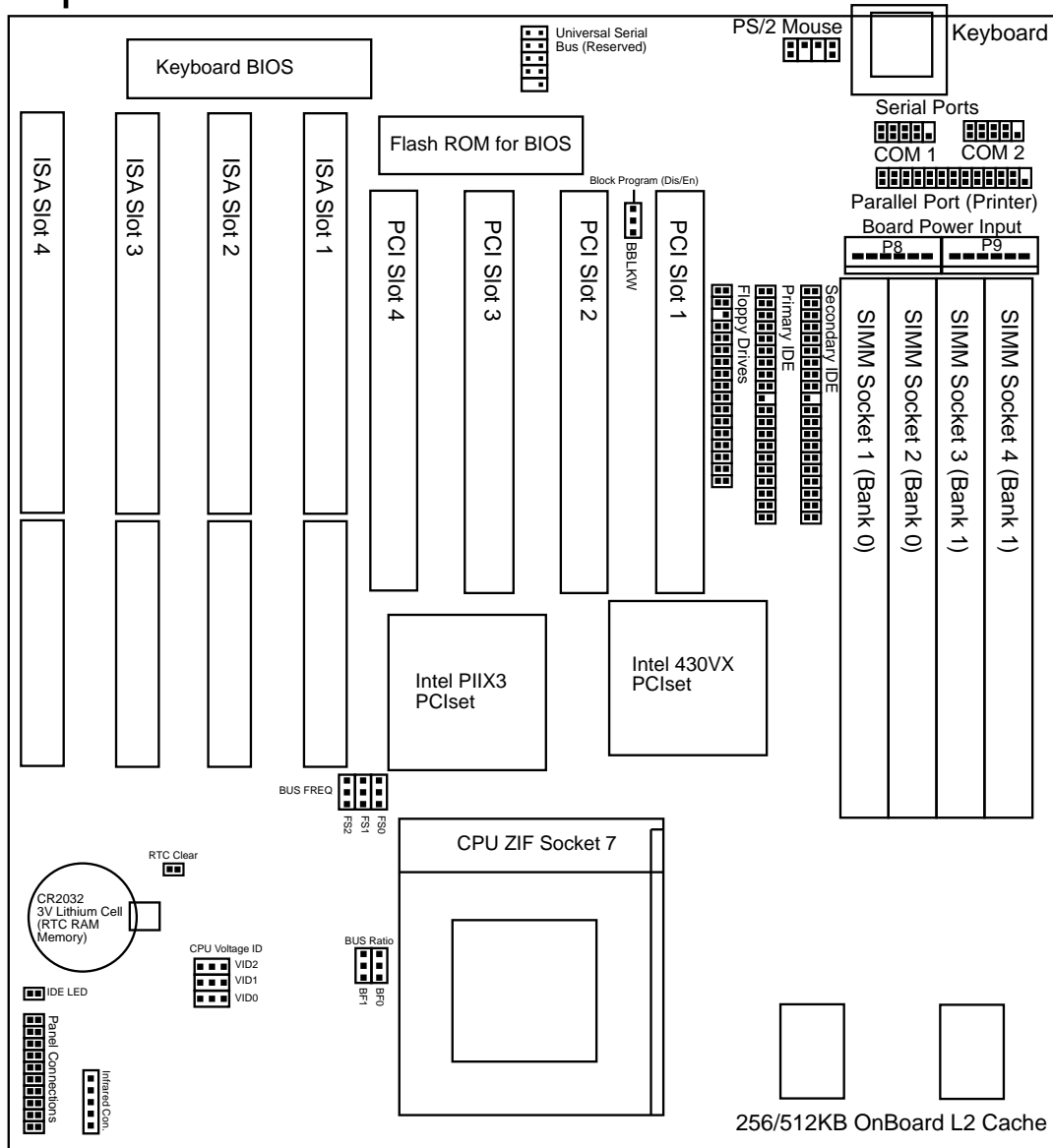
II. FEATURES

Parts of the VX97 Motherboard

Programmable
Flash ROM

Super Multi-I/O   Serial/Parallel Ports

3 ISA Slots
3 PCI Slots
1 PCI/ISA
Share Slot

IDE/Floppy

Intel's 430VX
PCIset

(4) 72-pin SIMM
Sockets

CPU ZIF
Socket 7

256KB/ 512KB L2 Cache

WARNING: Computer motheboards and components contain very delicate Integrated Circuit (IC) chips. To protect the motherboard and other components against damage from static electricity, you should follow some precautions whenever you work on your computer.

1. Unplug your computer when working on the inside.
2. Hold components by the edges and try not to touch the IC chips, leads, or circuitry.
3. Use a grounded wrist strap before handling computer components.
4. Place components on a grounded antistatic pad or on the bag that came with the component whenever the components are separated from the system.

III. INSTALLATION

Map of the VX97 Motherboard

Keyboard BIOS

Universal Serial Bus (Reserved)

PS/2 Mouse

Keyboard

Serial Ports
COM 1   COM 2

Parallel Port (Printer)

Board Power Input
P8   P9

Flash ROM for BIOS

Block Program (Dis/En)

BBLKW

ISA Slot 4
ISA Slot 3
ISA Slot 2
ISA Slot 1

PCI Slot 4
PCI Slot 3
PCI Slot 2
PCI Slot 1

Floppy Drives
Primary IDE
Secondary IDE

SIMM Socket 1 (Bank 0)
SIMM Socket 2 (Bank 0)
SIMM Socket 3 (Bank 1)
SIMM Socket 4 (Bank 1)

Intel PIIX3 PCIset

Intel 430VX PCIset

BUS FREQ
FS2 FS1 FS0

RTC Clear

CR2032 3V Lithium Cell (RTC RAM Memory)

CPU Voltage ID
VID2
VID1
VID0

BUS Ratio
BF1 BF0

CPU ZIF Socket 7

IDE LED

Panel Connections

Infrared Con.

256/512KB OnBoard L2 Cache

System Memory (SIMM)

Install memory in any or all of the banks in any combination as follows:

| Bank	Memory Module		Total Memory
Bank 0 **SIMM Sockets 1&2**	**4MB, 8MB, 16MB, 32MB** **72-pin FPM or EDO SIMM**	**x2**	
Bank 1 **SIMM Sockets 3&4**	**4MB, 8MB, 16MB, 32MB** **72-pin FPM or EDO SIMM**	**x2**	
	Total System Memory (Max 128MB)	**=**	

IMPORTANT: Banks 0 & 1 must have the same size memory installed in pairs. Do not use memory modules with more than 24 chips per module. Modules with more than 24 chips exceed the design specifications of the memory subsystem and will be unstable. Memory speed setup is required through "Auto Configuration" in BIOS Chipset Setup of the BIOS SOFTWARE.
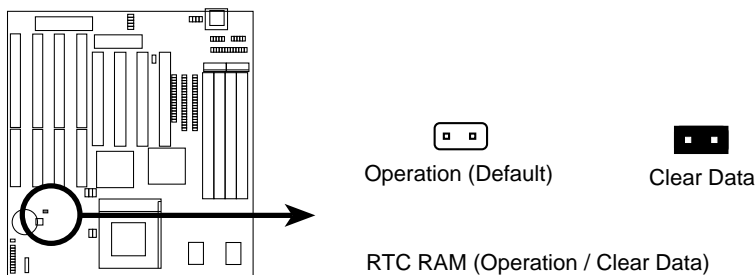
III. INSTALLATION

Jumpers

1. Flash ROM Boot Block Programming (BBLKW)

This sets the operation mode of the boot block area of the Programmable Flash ROM to allow programming in the *Enabled* position. This is required only if prompted by the **Flash Memory Writer Utility** as shown in BIOS SOFTWARE.

BBLKW
1
2
3
Disabled / Protected
(Default)

BBLKW
1
2
3
Enabled

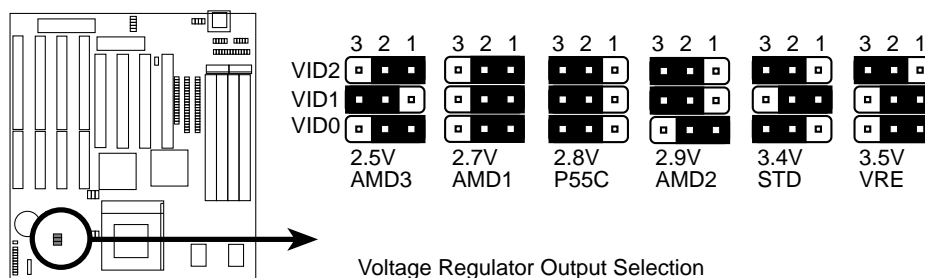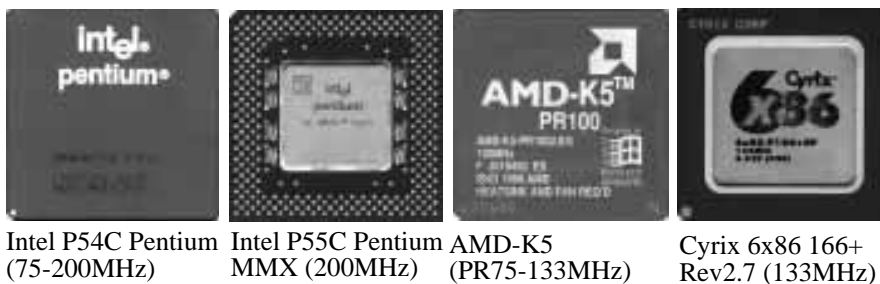Boot Block Programming (Disable / Enable)
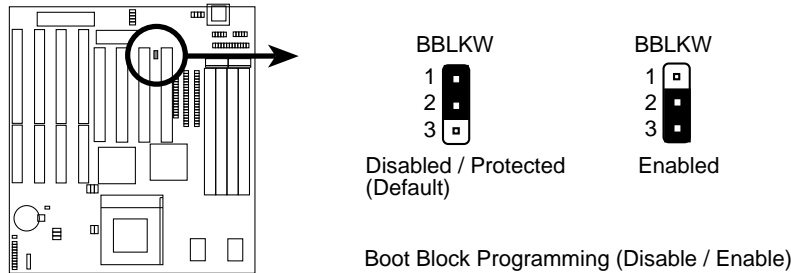
2. Real Time Clock (RTC) RAM

This clears the user-entered information stored in the CMOS RAM of the Real Time Clock such as hard disk information and passwords. To clear the RTC data: (1) Turn off the PC, (2) Short this jumper, (3) Power on the PC, (4) Turn off the PC, (5) Remove this jumper, (6) Power on the PC, (7) Hold down <Delete> during bootup and enter BIOS setup to re-enter user preferences.

Operation (Default)   Clear Data

RTC RAM (Operation / Clear Data)

3. Voltage Regulator Output Selection (VID0, VID1, VID2)

Intel P54C Pentium
(75-200MHz)

Intel P55C Pentium
MMX (200MHz)

AMD-K5
(PR75-133MHz)

Cyrix 6x86 166+
Rev2.7 (133MHz)

|	3 2 1	3 2 1	3 2 1	3 2 1	3 2 1	3 2 1
VID2						
VID1						
VID0						
	2.5V AMD3	2.7V AMD1	2.8V P55C	2.9V AMD2	3.4V STD	3.5V VRE

Voltage Regulator Output Selection

4. CPU External (BUS) Frequency Selection (FS0, FS1, FS2)

These jumpers tell the clock generator what frequency to send to the CPU. These allow the selection of the CPU's *External* frequency (or *BUS Clock*). The BUS Clock times the BUS Ratio equals the CPU's *Internal* frequency (the advertised CPU speed).

5. CPU to BUS Frequency Ratio (BF0, BF1)

These jumpers set the frequency ratio between the *Internal* frequency of the CPU and the *External* frequency (called the *BUS Clock*) within the CPU. These must be set together with the above jumpers *CPU External (BUS) Frequency Selection.*
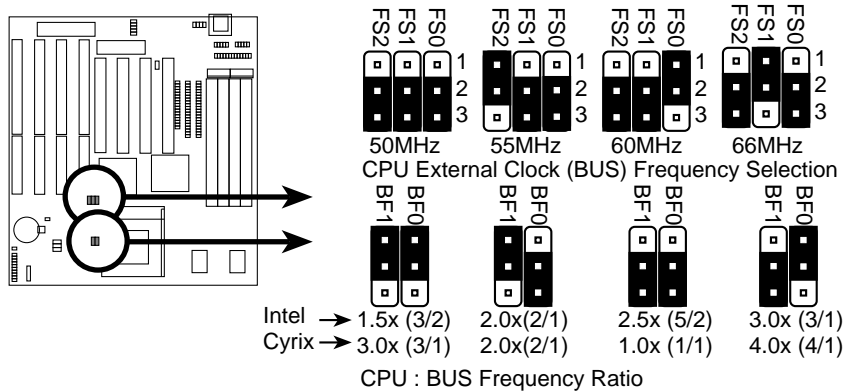
Set the jumpers by the Internal speed of the Intel, AMD, or Cyrix CPU as follows:

CPU Model	Freq.	Ratio	BUS Freq.	FS2	FS1	FS0	BF1	BF0
					(BUS Freq.)		(Freq. Ratio)	
Intel Pentium	200MHz	3.0x	66MHz	[2-3]	[1-2]	[2-3]	[2-3]	[1-2]
Intel Pentium	166MHz	2.5x	66MHz	[2-3]	[1-2]	[2-3]	[2-3]	[2-3]
Intel Pentium	150MHz	2.5x	60MHz	[2-3]	[2-3]	[1-2]	[2-3]	[2-3]
Intel Pentium	133MHz	2.0x	66MHz	[2-3]	[1-2]	[2-3]	[1-2]	[2-3]
Intel Pentium	120MHz	2.0x	60MHz	[2-3]	[2-3]	[1-2]	[1-2]	[2-3]
Intel Pentium	100MHz	1.5x	66MHz	[2-3]	[1-2]	[2-3]	[1-2]	[1-2]
Intel Pentium	90MHz	1.5x	60MHz	[2-3]	[2-3]	[1-2]	[1-2]	[1-2]
Intel Pentium	75MHz	1.5x	50MHz	[2-3]	[2-3]	[2-3]	[1-2]	[1-2]
AMD-K5-PR133	100MHz	1.5x	66MHz	[2-3]	[1-2]	[2-3]	[1-2]	[1-2]
AMD-K5-PR120	90MHz	1.5x	60MHz	[2-3]	[2-3]	[1-2]	[1-2]	[1-2]
AMD-K5-PR100	100MHz	1.5x	66MHz	[2-3]	[1-2]	[2-3]	[1-2]	[1-2]
AMD-K5-PR90	90MHz	1.5x	60MHz	[2-3]	[2-3]	[1-2]	[1-2]	[1-2]
AMD-K5-PR75	75MHz	1.5x	50MHz	[2-3]	[2-3]	[2-3]	[1-2]	[1-2]
*Cyrix 166+	133MHz	2.0x	66MHz	[2-3]	[1-2]	[2-3]	[1-2]	[2-3]

*NOTE: Only Cyrix Revision 2.7 or later is supported on this motherboard. See previous page for revision identification. Bootup screen will show **6x86-P166+ -S CPU at 133MHz** with the Cyrix 166+ installed on this motherboard.

Compatible Cyrix CPU Identification

The only Cyrix CPU that is supported on this motherboard is labeled Cyrix 6x86 P166+ but must be Revision 2.7 and later. Look on the underside of the CPU for the serial number. The number should read G8DC6620A or larger.

III. INSTALLATION

External Connectors

> **WARNING:** Some pins are used for connectors or power sources. These are clearly separated from jumpers in "Map of the Motherboard". Placing jumper caps over these will cause damage to your motherboard.

IMPORTANT: Ribbon cables should always be connected with the red stripe on the Pin 1 side of the connector. The four corners of the connectors are labeled on the motherboard. Pin 1 is the side closest to the power connector on hard drives and floppy drives. IDE ribbon cable must be less than 18in. (46cm), with the second drive connector no more than 6in. (15cm) from the first connector.

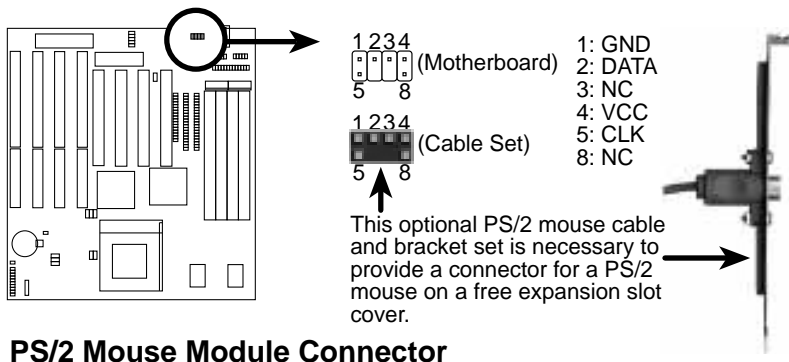1. **Keyboard Connector (5-pin female)**
   This connection is for a standard IBM-compatible keyboard. May also be known as a 101 enhanced keyboard.

Keyboard Connector (5-pin female)

This motherboard accepts an AT Keyboard Connector Plug as shown here.
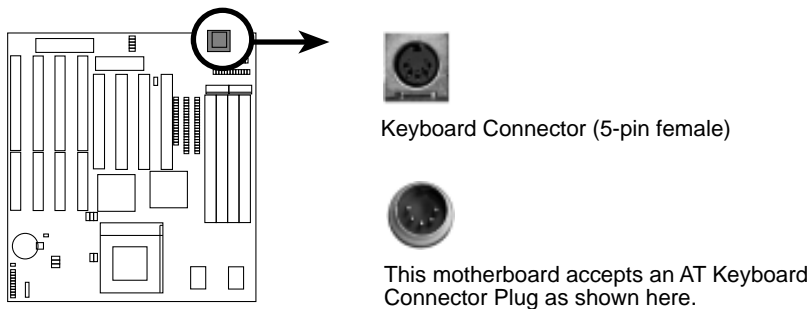
Keyboard Connector

2. **PS/2 Mouse Connector (6-pin block)**
   If you are using a PS/2 mouse, you must purchase an optional PS/2 mouse set which connects to the 6 pin block and mounts to an open slot on your computer's case. The system will direct IRQ12 to the PS/2 mouse if one is detected. If not detected, expansion cards can use IRQ12. Use "PS/2 Mouse Control" in **BIOS Features Setup** of the BIOS SOFTWARE for settings.


1 2 3 4 (Motherboard)
5   8

1 2 3 4 (Cable Set)
5   8

1: GND
2: DATA
3: NC
4: VCC
5: CLK
8: NC

This optional PS/2 mouse cable and bracket set is necessary to provide a connector for a PS/2 mouse on a free expansion slot cover.

PS/2 Mouse Module Connector

III. INSTALLATION

3. Parallel Printer Connector (26 Pin Block)

Connection for the included parallel port ribbon cable with mounting bracket. Connect the ribbon cable to this connection and mount the bracket to the case on an open slot. It will then be available for a parallel printer cable. You can enable the parallel port and choose the IRQ through "Onboard Parallel Port" in **Chipset Features** of the BIOS SOFTWARE.
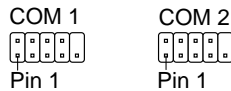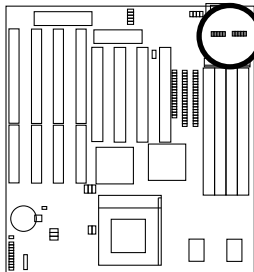
Pin 1
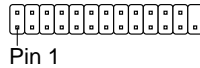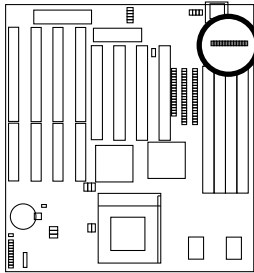
For this connector to be available, you must connect the included Parallel (25-Pin female) cable set to a free expansion slot opening.

TIP: You may also remove the bracket connectors and mount them directly to the case to save expansion slot space.

Parallel (Printer) Connector

4. Serial Port COM1 and COM2 Connectors (Two 10-pin blocks)

These connectors support the provided serial port ribbon cables with mounting bracket. Connect the ribbon cables to these connectors and mount the bracket to the case on an open slot. The two serial ports on the mounting bracket will then be used for pointing devices or other serial devices. See "Onboard Serial Port" in **Chipset Features Setup** of the BIOS SOFTWARE for settings.

COM 1   COM 2

Pin 1   Pin 1

For these connectors to be available, you must connect the included Serial cable set from COM1 (using the 9-Pin male) & COM2 (using the 25-Pin male) to a free expansion slot opening.

TIP: You may also remove the bracket connectors and mount them directly to the case to save expansion slot space.

Serial Port Connectors

5. Floppy drive connector (34-pin block)

This connector supports the provided floppy drive ribbon cable. After connecting the single end to the board, connect the two plugs on the other end to the floppy drives.
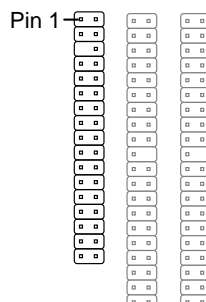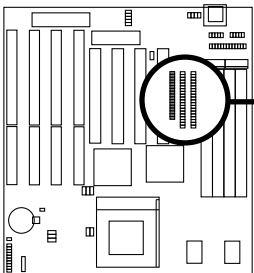
Pin 1

Connect the Red stripe to Pin 1

Floppy Drive Connector

III. INSTALLATION

**6. Power connector (12-pin block)**

This connector connects to a standard 5 Volt power supply. To connect the leads from the power supply, ensure first that the power supply is not plugged. Most power supplies provide two plugs (P8 and P9), each containing six wires, two of which are black. Orient the connectors so that the black wires are located in the middle.

Power Connector

AT Power Connector on Motherboard

Power Plugs from Power Supply
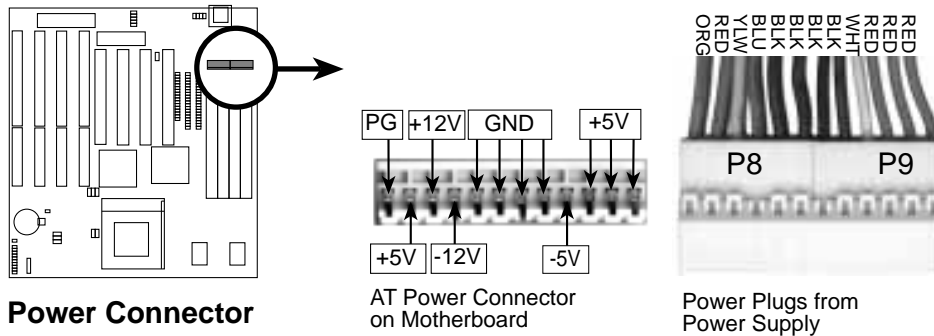
Using a slight angle, align the plastic guide pins on the lead to their receptacles on the connector. Once aligned, press the lead onto the connector until the lead locks into place.

7. IrDA-compliant infrared module connector (IR)

This connector supports the optional wireless transmitting and receiving infrared module. This module mounts to a small opening on system cases that support this feature. You must also configure the setting through "UART2 Use Infrared" in **Chipset Features Setup** of the BIOS SOFTWARE to select whether UART2 is directed for use with COM2 or IrDA. Use the five pins as shown on the Back View and connect a ribbon cable from the module to the motherboard according to the pin definitions.


Front View   Back View
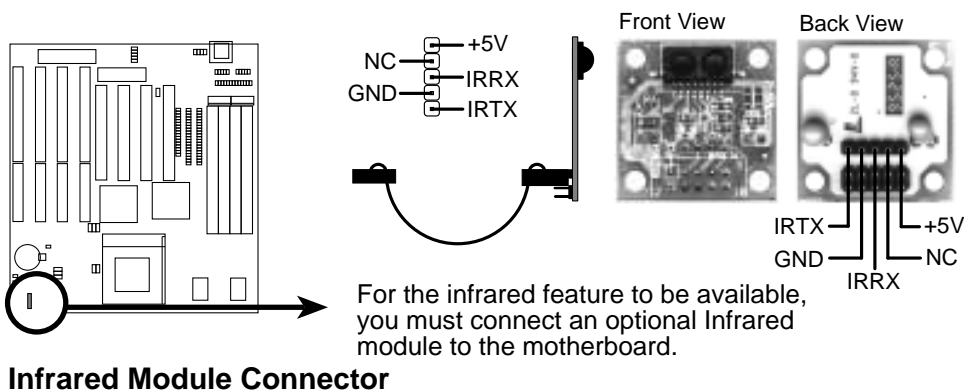
For the infrared feature to be available, you must connect an optional Infrared module to the motherboard.

Infrared Module Connector

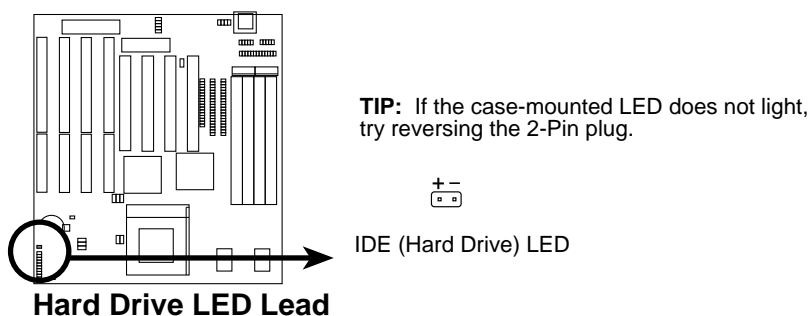**7. Primary / Secondary IDE connectors (Two 40-pin Block)**

These connectors support the provided IDE hard disk ribbon cable. After connecting the single end to the board, connect the two plugs at the other end to your hard disk(s). If you install two hard disks, you must configure the second drive to Slave mode by setting its jumper accordingly. Please refer to the documentation of your hard disk for the jumper settings. BIOS now supports SCSI device or IDE CD-ROM bootup (see "HDD Sequence SCSI/IDE First" & "Boot Sequence" in the **BIOS Features Setup** of the BIOS SOFTWARE)**.**

TIP: You may configure two hard disks to be both Masters using one ribbon cable on the primary IDE connector and another ribbon cable on the secondary IDE connector. You may install one operating system on an IDE drive and another on a SCSI drive and select the boot disk through BIOS Features Setup.

IDE (Hard Drive) Connectors

Pin 1

Connect the Red stripe to Pin 1

Secondary IDE Connector
Primary IDE Connector
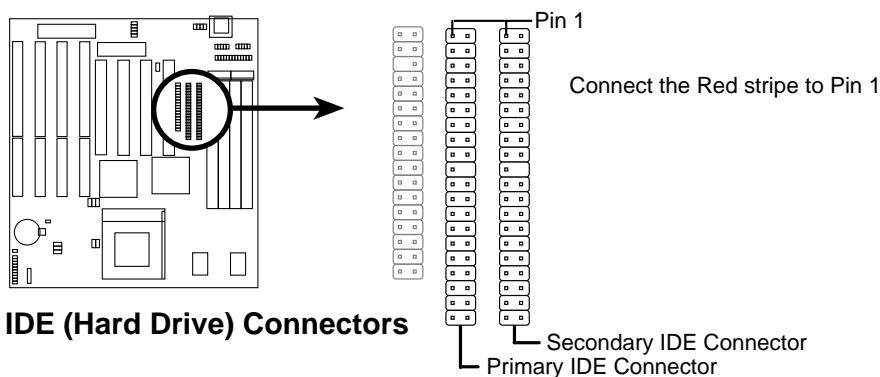
8. IDE activity LED (IDE LED)

This connector supplies power to the cabinet's IDE activity LED. Read and write activity by devices connected to the Primary or Secondary IDE connectors will cause the LED to light up.

TIP: If the case-mounted LED does not light, try reversing the 2-Pin plug.

+ −

IDE (Hard Drive) LED

Hard Drive LED Lead

III. INSTALLATION

9. Turbo LED Lead (PANEL)

The motherboard's turbo function is always on. The turbo LED connection is labeled here but the LED will remain constantly lit while the system power is on. You may wish to connect the Power LED from the system case to this lead. See the figure below.

10. SMI Suspend Switch Lead (PANEL)

This allows the user to manually place the system into a suspend mode or "Green" mode where system activity will be instantly decreased to save electricity and expand the life of certain components when the system is not in use. This 2-pin connector (see the figure below) connects to the case-mounted suspend switch. If you do not have a switch for the connector, you may use the "Turbo Switch" since it does not have a function. SMI is activated when it detects a *short to open* moment and therefore leaving it shorted will not cause any problems. May require one or two pushes depending on the position of the switch. Wake-up can be controlled by settings in the BIOS but the keyboard will always allow wake-up (the SMI lead cannot wake-up the system). If you want to use this connector, "Suspend Switch" in the **Power Management Setup** of the BIOS SOFTWARE should be on the default setting of *Enable.*

11. Reset Switch Lead (PANEL)

This 2-pin connector connects to the case-mounted reset switch for rebooting your computer without having to turn off your power switch This is a preferred method of rebooting in order to prolong the life of the system's power supply. See the figure below.

12. Keyboard Lock Switch Lead & System Power LED (PANEL)

This 5-pin connector connects to the case-mounted keyboard lock switch for locking the keyboard and also to connect the system power LED. The system power LED lights when the system is powered on. See the figure below.

13. Speaker Connector (PANEL)

This 4-pin connector connects to the case-mounted speaker.

System Panel Connectors
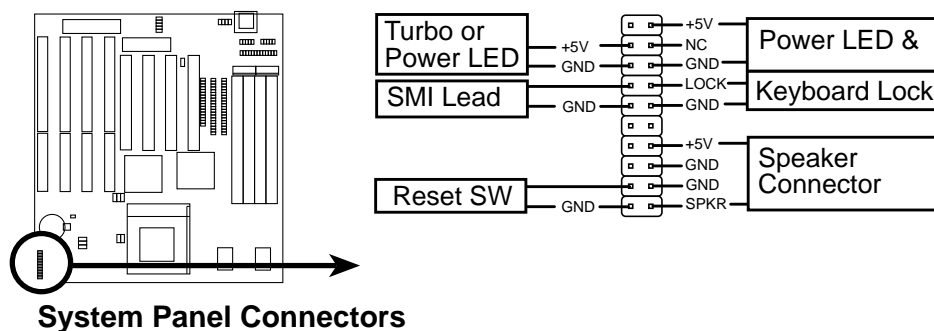
III. INSTALLATION

Power Connection Procedures

1. After all jumpers and connections are made, close the system case cover.

2. Make sure that all switches are in the off position as marked by ○.

3. Connect the power supply cord into the power supply located on the back of your system case as instructed by your system user's manual.

4. Connect all power cords into a power strip that is equipped by a surge protector.

5. You may then turn on your devices in the following order:
   a. Your monitor
   b. External SCSI devices (starting with the last device on the chain)
   c. Your system power

6. The power LED on the front panel of the system case will light and the monitor LED as well. The system will then run power-on tests. While the tests are running, additional messages will appear on the screen. If you do not see anything within 30 seconds from the time you turn on the power, the system may have failed a power-on test. Recheck your jumper settings and connections or call your authorized dealer for assistance.

7. During power-on, hold down the <Delete> key to enter BIOS setup. Follow the next section "BIOS SOFTWARE" for instructions.
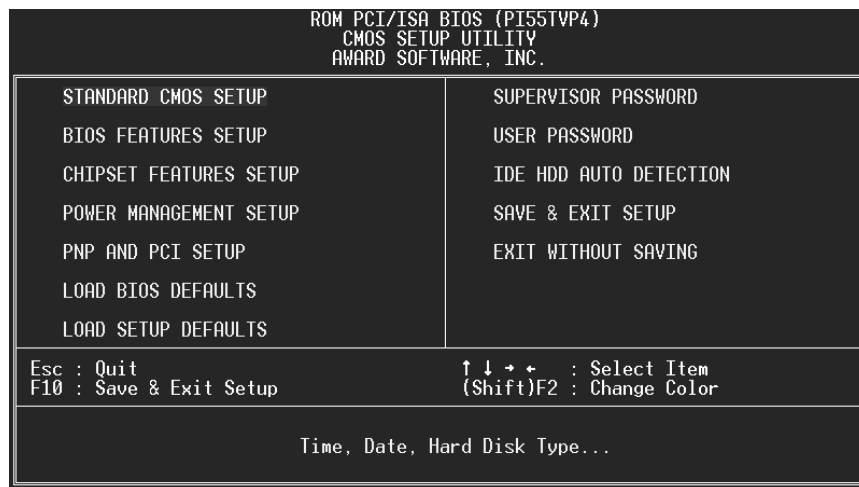
IV. BIOS SOFTWARE

BIOS Setup

If you are installing the motherboard, reconfiguring your system, or you receive a Run Setup message, you will need to enter new BIOS setup information. This section describes how to configure your system using this utility.

The BIOS ROM of the system stores the Setup utility. When you turn on the computer, the system provides you with the opportunity to run this program. This appears during the Power-On Self Test (POST). Press the <Delete> key to call up the Setup utility. If you are a little bit late pressing the mentioned key(s), POST will continue with its test routines, thus preventing you from calling up Setup. If you still need to call Setup, reset the system by simultaneously pressing the <Ctrl>, <Alt> and <Delete> keys, or by pushing the Reset button on the system case. You can also restart by turning the system off and then back on again. But do so only if the first two methods fail to reboot your computer.

When you invoke Setup, the CMOS SETUP UTILITY main program screen will appear with the following options:

```
                    ROM PCI/ISA BIOS (PI55TVP4)
                        CMOS SETUP UTILITY
                       AWARD SOFTWARE, INC.

   STANDARD CMOS SETUP              SUPERVISOR PASSWORD

   BIOS FEATURES SETUP             USER PASSWORD

   CHIPSET FEATURES SETUP          IDE HDD AUTO DETECTION

   POWER MANAGEMENT SETUP          SAVE & EXIT SETUP

   PNP AND PCI SETUP               EXIT WITHOUT SAVING

   LOAD BIOS DEFAULTS

   LOAD SETUP DEFAULTS

  Esc : Quit                       ↑ ↓ → ←   : Select Item
  F10 : Save & Exit Setup          (Shift)F2 : Change Color

              Time, Date, Hard Disk Type...
```

Load Defaults

The LOAD BIOS DEFAULTS option loads the minimized settings for troubleshooting. Choose **LOAD SETUP DEFAULTS** in order to load optimized defaults for regular use, then continue with other custom settings that you would like. Choose **SAVE & EXIT SETUP** when you are done.

A section at the bottom of the above screen displays the control keys for this screen. Take note of these keys and their respective uses. Another section just below the control keys section displays information on the currently highlighted item in the list.

V. DESKTOP MANAGEMENT

Desktop Management Interface (DMI)

Introducing the DMI Configuration Utility

This motherboard supports DMI within the BIOS level and provides a DMI Configuration Utility to maintain the Management Information Format Database (MIFD). DMI is able to auto-detect and record information pertinent to a computer's system such as the CPU type, CPU speed, and internal/external frequencies, and memory size. The onboard BIOS will detect as many system information as possible and store those collected information in a 4KB block in the motherboard's Flash EPROM and allow the DMI to retrieve data from this database. Unlike other BIOS software, the BIOS on this motherboard uses the same technology implemented for Plug and Play to allow dynamic real-time updating of DMI information versus creating a new BIOS image file and requiring the user to update the whole BIOS. This DMI Configuration Utility also allows the system integrator or end user to add additional information into the MIFD such as serial numbers, housing configurations, and vendor information. Those information not detected by the motherboard BIOS and has to be manually entered through the DMI Configuration Utility and updated into the MIFD. This DMI Configuration Utility provides the same reliability as PnP updating and will prevent the refreshing failures associated with updating the entire BIOS.

System Requirements

The DMI Configuration Utility (**DMICFG.EXE**) must be ran in real mode in order for the program to run, the base memory must be at least 180K. Memory managers like HIMEM.SYS (required by windows) must not be installed. You can boot up from a system diskette without AUTOEXEC.BAT and CONFIG.SYS files, "REM" HIMEM.SYS in the CONFIG.SYS, or press <F5> during bootup to bypass your AUTOEXEC.BAT and CONFIG.SYS files.

```
            ASUSTeK DMI Configuration Utility  REV1.0   MARCH 1996
        [Edit DMI] [Save MIFD] [Load MIFD] [Load BIOS Defaults]

▲      BIOS              ===      Display Component     ===
■      System                     ***  BIOS Auto Detect  ***
     Base Board          Type : BIOS Information
  Enclosure/Chassis      Handle : 0000
     Processor              Vendor Name : Award Software, Inc.
  Memory Controller        BIOS Version : #401A0-0106
    Memory Module          BIOS starting Address Segment : F000
    Memory Module          BIOS Build Date : 08/06/96
    Memory Module          BIOS Characteristics : Press [ENTER] for detail
    Memory Module          Size of BIOS ROM : 0128K
           Cache
           Cache
    Port Connector
    Port Connector
    Port Connector
    Port Connector
    Port Connector
    Port Connector
    Port Connector
▼    System Slots

↑↓---Move cursor ENTER-Accept DEL-Delete ESC-Abort&Exit
```