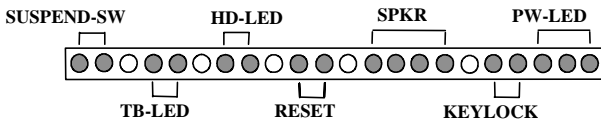
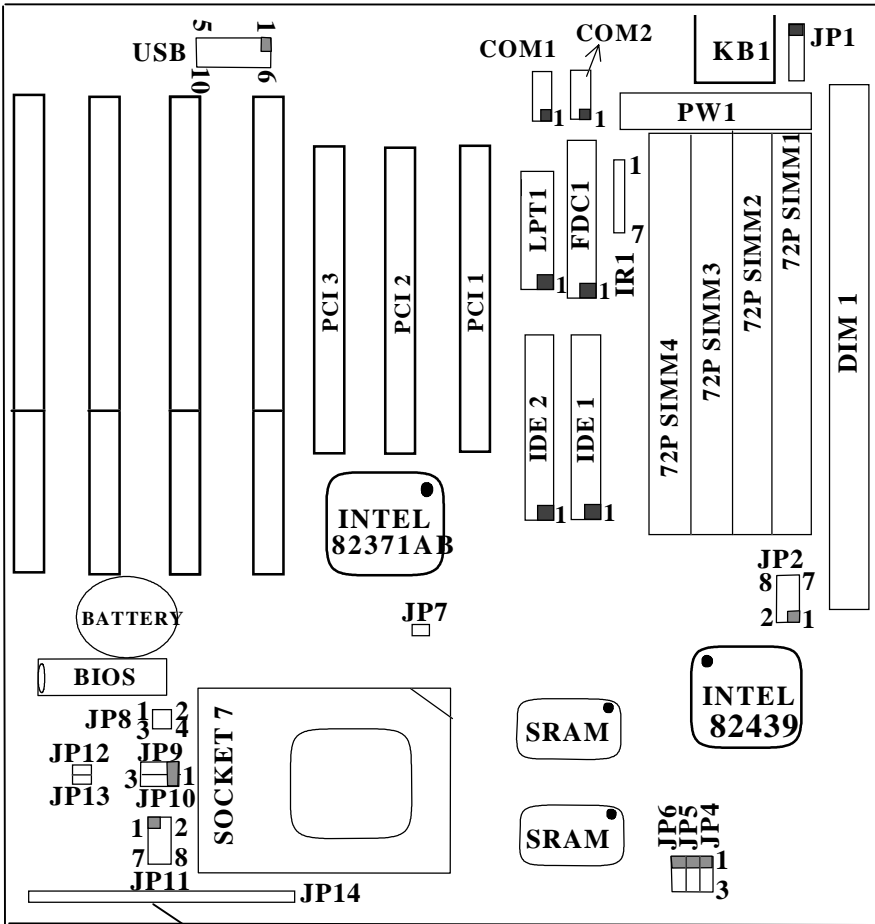


**INTEL I430 TX CHIPSET  
PENTIUM SYSTEM BOARD  
USER'S MANUAL  
(VER : TX1A)**

# 1-1 LAYOUT REFERENCE



## 1-2 JUMPER SETTINGS

### 1.JP3-JP5,JP7,JP8,JP11-JP14 : INTEL/CYRIX /AMD CPU TYPE SELECTOR

INTEL CPU	CLOCK SPEED	RATIO	JP4	JP5	JP6	JP7	JP8	JP9	JP10	JP11	JP12 JP13
<b>P54C 75</b> 3.3V	50MHZ	1.5	1-2	1-2	1-2	ON	3-4	1-2	1-2	3-4	OFF
<b>P54C 90</b> 3.3V	60MHZ	1.5	2-3	1-2	1-2	ON	3-4	1-2	1-2	3-4	OFF
<b>P54C 100</b> 3.3V	66MHZ	1.5	1-2	2-3	1-2	ON	3-4	1-2	1-2	3-4	OFF
<b>P54C 120</b> 3.3V	60MHZ	2	2-3	1-2	1-2	ON	3-4	2-3	1-2	3-4	OFF
<b>P54C 133</b> 3.3V	66MHZ	2	1-2	2-3	1-2	ON	3-4	2-3	1-2	3-4	OFF
<b>P54C 150</b> 3.3V	60MHZ	2.5	2-3	1-2	1-2	ON	3-4	2-3	2-3	3-4	OFF
<b>P54C 166</b> 3.3V	66MHZ	2.5	1-2	2-3	1-2	ON	3-4	2-3	2-3	3-4	OFF
<b>P55C 166</b> 2.8/3.3V	66MHZ	2.5	1-2	2-3	1-2	OFF	3-4	2-3	2-3	7-8	ON
<b>P54C 180</b> 3.3V	60MHZ	3	2-3	1-2	1-2	ON	3-4	1-2	2-3	3-4	OFF
<b>P54C 200</b> 3.3V	66MHZ	3	1-2	2-3	1-2	ON	3-4	1-2	2-3	3-4	OFF
<b>P55C 200</b> 2.8/3.3V	66MHZ	3	1-2	2-3	1-2	OFF	3-4	1-2	2-3	7-8	ON
<b>P55C 233</b> 2.8/3.3V	66MHZ	3.5	1-2	2-3	1-2	OFF	3-4	1-2	1-2	7-8	ON

AMD CPU FOR (PRXXXAB)	CLOCK SPEED	RATIO	JP4	JP5	JP6	JP7	JP8	JP9	JP10	JP11	JP12 JP13
<b>PR75</b> 3.52V	50MHZ	1.5	1-2	1-2	1-2	ON	1-2	1-2	1-2	1-2	OFF
<b>PR90/PR120</b> 3.52V	60MHZ	1.5	2-3	1-2	1-2	ON	1-2	1-2	1-2	1-2	OFF
<b>PR100/PR133</b> 3.52V	66MHZ	1.5	1-2	2-3	1-2	ON	1-2	1-2	1-2	1-2	OFF
<b>PR150</b> 3.52V	60MHZ	2.5	2-3	1-2	1-2	ON	1-2	2-3	2-3	1-2	OFF
<b>PR166</b> 3.52V	66MHZ	2.5	1-2	2-3	1-2	ON	1-2	2-3	2-3	1-2	OFF
<b>K6 PR166</b> 2.9/3.3V	66MHZ	2.5	1-2	2-3	1-2	OFF	3-4	2-3	2-3	5-6	ON
<b>K6 PR200</b> 2.9/3.3V	66MHZ	3	1-2	2-3	1-2	OFF	3-4	1-2	2-3	5-6	ON
<b>*K6 PR233</b> 3.3/3.3V	66MHZ	3.5	1-2	2-3	1-2	OFF	3-4	1-2	1-2	3-4	ON

CPU	CLOCK SPEED	RATIO	JP4	JP5	JP6	JP7	JP8	JP9	JP10	P11	JP12 JP13
<b>P120+</b> 3.52V	50MHZ	2	1-2	1-2	1-2	ON	1-2	2-3	1-2	1-2	OFF
<b>P133+</b> 3.52V	55MHZ	2	1-2	1-2	2-3	ON	1-2	2-3	1-2	1-2	OFF
<b>P150+</b> 3.52V	60MHZ	2	2-3	1-2	1-2	ON	1-2	2-3	1-2	1-2	OFF
<b>P166+</b> 3.52V	66MHZ	2	1-2	2-3	1-2	ON	1-2	2-3	1-2	1-2	OFF
<b>P200+</b> 3.52V	75MHZ	2	2-3	1-2	2-3	ON	1-2	2-3	1-2	1-2	OFF
<b>P133+</b> 2.8/3.3V 6X86L	55MHZ	2	1-2	1-2	2-3	OFF	3-4	2-3	1-2	7-8	ON
<b>P150+</b> 2.8/3.3V 6X86L	60MHZ	2	2-3	1-2	1-2	OFF	3-4	2-3	1-2	7-8	ON
<b>P166+</b> 2.8/3.3V 6X86L	66MHZ	2	1-2	2-3	1-2	OFF	3-4	2-3	1-2	7-8	ON
<b>P200+</b> 2.8/3.3V 6X86L	75MHZ	2	2-3	1-2	2-3	OFF	3-4	2-3	1-2	7-8	ON

## EXPLANATION OF JUMPER SETTING

### JP4-JP6 CPU & PCI BUS FREQUENCY SELECTOR

	50 MHZ	55 MHZ	60 MHZ	66.6 MHZ	75MHZ
JP4	1-2	1-2	2-3	1-2	2-3
JP5	1-2	1-2	1-2	2-3	1-2
JP6	1-2	2-3	1-2	1-2	2-3

### JP7,JP12,JP13 SINGLE /DUAL VOLTAGE CPU SELECTOR

	SINGLE VOLTAGE CPU	DUAL VOLTAGE CPU
JP7	ON	OFF
JP12,JP13	OFF	ON

### JP8 SECOND REGULATOR VOLTAGE SELECTOR

	3.52V	3.3V
JP8	1-2	3-4

NOTE : INTEL P55C, AMD K6 AND CYRIX 6X86L CPU SET "3-4"

### JP9,JP10 CPU CLOCK SELECTOR

	1.5 X	2.0 X	2.5 X	3.0 X	3.5 X
JP9	1-2	2-3	2-3	1-2	1-2
JP10	1-2	1-2	2-3	2-3	1-2

### JP11 : VCORE VOLTAGE SELECT

JP11	VOLTAGE
1-2	3.52V
3-4	3.30V
5-6	2.90V
7-8	2.80V

### 2. JP2 : DIMM VOLTAGE SELECTOR

	3.3V DIMM	5V DIMM
JP2	1-2, 3-4, 5-6	7-8

### 3. OTHER JUMPER SETTINGS AND CONNECTORS :

**JP1** : PS/2 MOUSE CONNECTOR.

**IR1** : INFRA RED (IR) CONNECTOR .

**IDE1** : PRIMARY IDE CONNECTOR.

**IDE2** : SECONDARY IDE CONNECTOR

**FDC1** : FLOPPY DISK CONNECTOR .

**COM1** : SERIAL PORT 1 CONNECTOR.

**COM2** : SERIAL PORT 2 CONNECTOR.

**LPT1** : PARALLEL PORT CONNECTOR.

**USB** : USB (UNIVERSAL SERIAL BUS) CONNECTOR .

☞ **PS/2 MOUSE CABLE IS OPTIONAL, THE PIN #1 OF CABLE IS YELLOW COLOR.**

**NOTE : USB (UNIVERSAL SERIAL BUS) AND IRCON CONNECTOR ARE OPTIONAL.**

### 4.USB : USB (UNIVERSAL SERIAL BUS) CONNECTOR

USB PIN OUT			
USB1		USB2	
<b>PIN1</b>	+5V	<b>PIN6</b>	+5V
<b>PIN2</b>	USBP0-	<b>PIN7</b>	USBP1-
<b>PIN3</b>	USBP0+	<b>PIN8</b>	USBP1+
<b>PIN4</b>	GND	<b>PIN9</b>	GND
<b>PIN5</b>	GND	<b>PIN10</b>	GND

5. IR1 : IRCON (INFRARED) CONNECTOR

IR CONNECTOR PIN OUT						
<b>PIN 1</b> RX	<b>PIN 2</b> GND	<b>PIN 3</b> TX	<b>PIN 4</b> +5V	<b>PIN 5</b> RXH	<b>PIN 6</b> VCC	<b>PIN 7</b> GND

**NOTE:IRCON USES SAME I/O PORT AS COM2. THERE IS NO ANY HARDWARE JUMPER SETTING FOR IRCON/COM2 ON THIS MAIN BOARD BUT CUSTOMER NEEDS TO SET PROPER BIOS SETTING FOR "HPSIR", "ASKIR" OR "DISABLED"(DEFAULT) UNDER "INFRA RED (IR) FUNCTION" OF "INTEGRATED PERIPHERAL" ACCORDING TO THE FOLLOWING TABLE:**

	<b>IRDA 1.0</b>	<b>ASKIR</b>	<b>FIR</b>	<b>DISABLED</b>
(UNDER INTEGRATED PERIPHERALS)"INFRA RED (IR) FUNCTION "	USE IRDA 1.0 ON IRCON.	USE AMPLITUDE SHIFT KEYED IR ON IRCON .	USE FOR FAST IR 4MB/S	USE COM2 <b>(DEFAULT)</b>