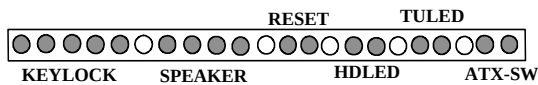
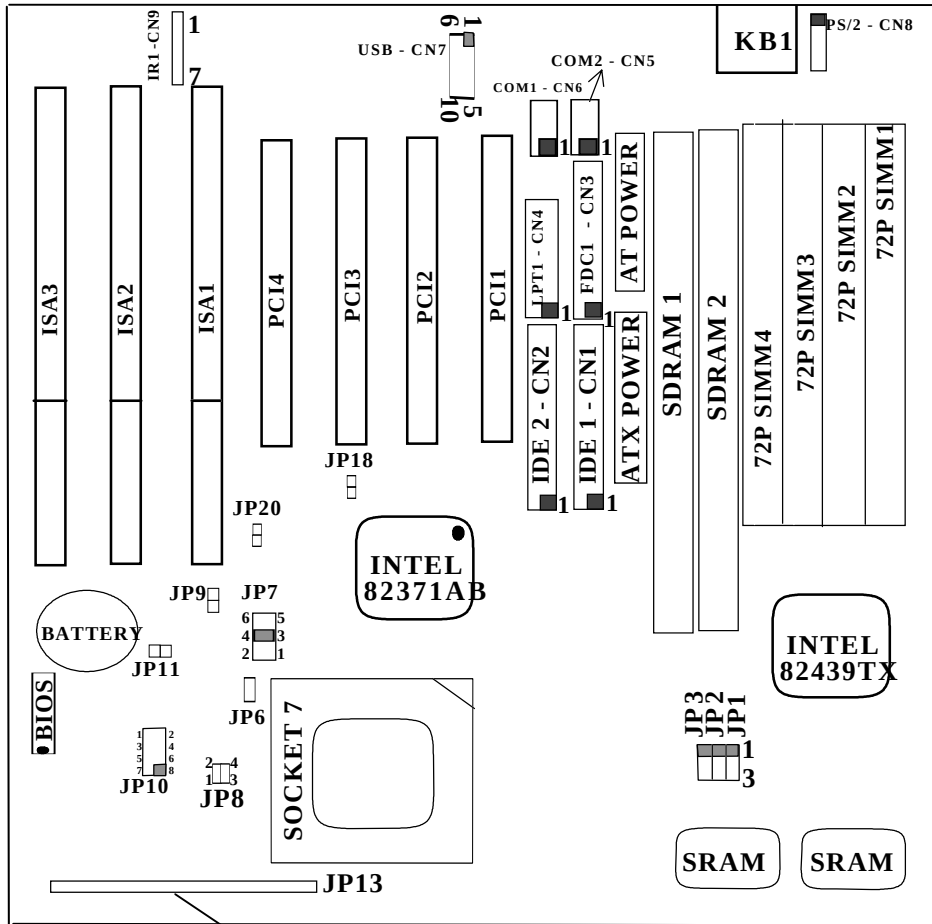


**INTEL I430 TX CHIPSET
PENTIUM SYSTEM BOARD
USER'S MANUAL
(VER : 5I-TX1)**

1-1 LAYOUT REFERENCE



1-2 JUMPER SETTINGS

1. INTEL/CYRIX /AMD CPU TYPE SELECTOR

INTEL® PENTIUM® CPU	CLOCK SPEED	RATIO	JP1	JP2	JP3	JP6	JP7	JP8	JP10
P54C 75 3.3V	50MHZ	1.5	1-2	1-2	1-2	ON	OFF	OFF	1-2,5-6,7-8
P54C 90 3.3V	60MHZ	1.5	1-2	1-2	2-3	ON	OFF	OFF	1-2,5-6,7-8
P54C 100 3.3V	66MHZ	1.5	1-2	2-3	1-2	ON	OFF	OFF	1-2,5-6,7-8
P54C 120 3.3V	60MHZ	2	1-2	1-2	2-3	ON	1-2	OFF	1-2,5-6,7-8
P54C 133 3.3V	66MHZ	2	1-2	2-3	1-2	ON	1-2	OFF	1-2,5-6,7-8
P54C 150 3.3V	60MHZ	2.5	1-2	1-2	2-3	ON	1-2, 3-4	OFF	1-2,5-6,7-8
P54C 166 3.3V	66MHZ	2.5	1-2	2-3	1-2	ON	1-2, 3-4	OFF	1-2,5-6,7-8
P55C 166 2.8/3.3V	66MHZ	2.5	1-2	2-3	1-2	OFF	1-2, 3-4	1-2,3-4	7-8
P54C 180 3.3V	60MHZ	3	1-2	1-2	2-3	ON	3-4	OFF	1-2,5-6,7-8
P54C 200 3.3V	66MHZ	3	1-2	2-3	1-2	ON	3-4	OFF	1-2,5-6,7-8
P55C 200 2.8/3.3V	66MHZ	3	1-2	2-3	1-2	OFF	3-4	1-2,3-4	7-8
P55C 233 2.8/3.3V	66MHZ	3.5	1-2	2-3	1-2	OFF	OFF	1-2,3-4	7-8

AMD® CPU	CLOCK SPEED	RATIO	JP1	JP2	JP3	JP6	JP7	JP8	JP10
PR75 3.52V	50MHZ	1.5	1-2	1-2	1-2	ON	OFF	OFF	1-2,3-4,5-6,7-8
PR90/PR120 3.52V	60MHZ	1.5	1-2	1-2	2-3	ON	OFF	OFF	1-2,3-4,5-6,7-8
PR100/PR133 3.52V	66MHZ	1.5	1-2	2-3	1-2	ON	OFF	OFF	1-2,3-4,5-6,7-8
PR150 3.52V	60MHZ	2.5	1-2	1-2	2-3	ON	1-2, 3-4	OFF	1-2,3-4,5-6,7-8
PR166 3.52V	66MHZ	2.5	1-2	2-3	1-2	ON	1-2, 3-4	OFF	1-2,3-4,5-6,7-8
K6 PR166 2.9/3.3V	66MHZ	2.5	1-2	2-3	1-2	OFF	1-2, 3-4	1-2,3-4	1-2, 7-8
K6 PR200 2.9/3.3V	66MHZ	3	1-2	2-3	1-2	OFF	3-4	1-2,3-4	1-2, 7-8
K6 PR233 3.2/3.3V	66MHZ	3.5	1-2	2-3	1-2	OFF	OFF	1-2,3-4	5-6, 7-8
K6 PR266 2.2/3.3V	66MHZ	4	1-2	2-3	1-2	OFF	1-2, 5-6	1-2,3-4	3-4
K6 PR300 2.2/3.45V	66MHZ	4.5	1-2	2-3	1-2	OFF	1-2, 3-4, 5-6	1-2,3-4	3-4

CYRIX® CPU	CLOCK SPEED	RATIO	JP1	JP2	JP3	JP6	JP7	JP8	JP10
P120+ 3.52V	50MHZ	2	1-2	1-2	1-2	ON	1-2	OFF	1-2,3-4,5-6,7-8
P133+ 3.52V	55MHZ	2	2-3	1-2	1-2	ON	1-2	OFF	1-2,3-4,5-6,7-8
P150+ 3.52V	60MHZ	2	1-2	1-2	2-3	ON	1-2	OFF	1-2,3-4,5-6,7-8
P166+ 3.52V	66MHZ	2	1-2	2-3	1-2	ON	1-2	OFF	1-2,3-4,5-6,7-8
P200 + 3.52V	75MHZ	2	2-3	1-2	2-3	ON	1-2	OFF	1-2,3-4,5-6,7-8
P133+ 2.8/3.3V 6X86L	55MHZ	2	2-3	1-2	1-2	OFF	1-2	1-2, 3-4	7-8
P150+ 2.8/3.3V 6X86L	60MHZ	2	1-2	1-2	2-3	OFF	1-2	1-2, 3-4	7-8
P166+ 2.8/3.3V 6X86L	66MHZ	2	1-2	2-3	1-2	OFF	1-2	1-2, 3-4	7-8
P200 + 2.8/3.3V 6X86L	75MHZ	2	2-3	1-2	2-3	OFF	1-2	1-2, 3-4	7-8
MX PR166 2.9/3.3V	60MHZ	2.5	1-2	1-2	2-3	OFF	1-2, 3-4	1-2, 3-4	1-2,7-8
MX PP166 2.9/3.3V	66MHZ	2	1-2	2-3	1-2	OFF	1-2	1-2, 3-4	1-2,7-8
MX PR200 2.9/3.3V	75MHZ	2	2-3	1-2	2-3	OFF	1-2	1-2, 3-4	1-2,7-8
MX PR233 2.9/3.3V	75MHZ	2.5	2-3	1-2	2-3	OFF	1-2,3-4	1-2,3-4	1-2,7-8
MII PR300 2.9/3.3V	66 MHZ	3.5	1-2	2-3	1-2	OFF	OFF	1-2, 3-4	1-2, 7-8

EXPLANATION OF JUMPER SETTINGS

JP1-JP3: CPU & PCI BUS FREQUENCY SELECTOR

	50 MHZ	55 MHZ	60 MHZ	66.6 MHZ	75MHZ
JP3	1-2	1-2	2-3	1-2	2-3
JP2	1-2	1-2	1-2	2-3	1-2
JP1	1-2	2-3	1-2	1-2	2-3

JP6,JP8: SINGLE/DUAL CPU VOLTAGE SELECTOR

	SINGLE VOLTAGE CPU	DUAL VOLTAGE CPU
JP6	ON	OFF
JP8	OFF	1-2,3-4

JP11: FLASH ROM VOLTAGE

	5V	12V
JP11	1-2	2-3

JP7: CPU CLOCK RATIO SELECTOR

	1.5 X	2.0 X	2.5 X	3.0 X	3.5 X
JP7	OFF	1-2	1-2,3-4	3-4	OFF

JP10: VCORE VOLTAGE SELECTOR

JP10	VOLTAGE
7-8	2.80V
1-2,7-8	2.90V
1-2,3-4,7-8	3.10V
5-6,7-8	3.20V
1-2,5-6,7-8	3.30V
1-2,3-4,5-6,7-8	3.50V

JP9: BATTERY MODE SELECTOR

	NORMAL	CLEAR CMOS
JP9	1-2	2-3

JP20: AT/ATX SELECTOR

	AT	ATX
JP20	OFF	ON

JP18: Windows 95+ Software Power Down Selector

	ENABLED	DISABLED
JP18	ON	OFF

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	
PIN1	+5V	PIN6	+5V
PIN2	USBP0-	PIN7	USBP1-
PIN3	USBP0+	PIN8	USBP1+
PIN4	GND	PIN9	GND
PIN5	GND	PIN10	GND

~~JP9: BATTERY MODE SELECTOR~~

JP9		NORMAL	CLEAR CMOS
JP9		1-2	2-3

5. IR1 : IRCON (INFRARED) CONNECTOR

IR CONNECTOR PIN OUT						
PIN 1 RX	PIN 2 GND	PIN 3 TX	PIN 4 +5V	PIN 5 RXH	PIN 6 VCC	PIN 7 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:

	IRDA 1.0	ASKIR	FIR	DISABLED
(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 (DEFAULT)