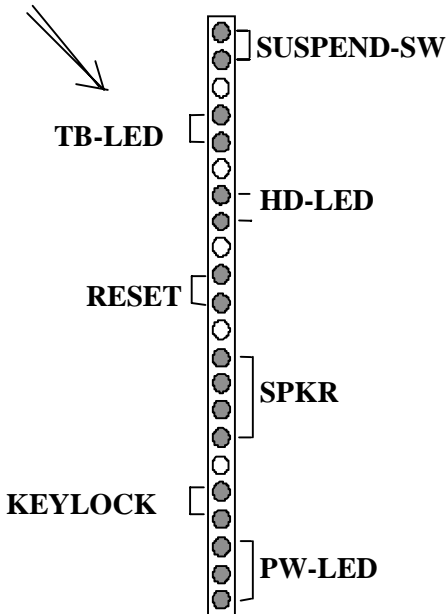
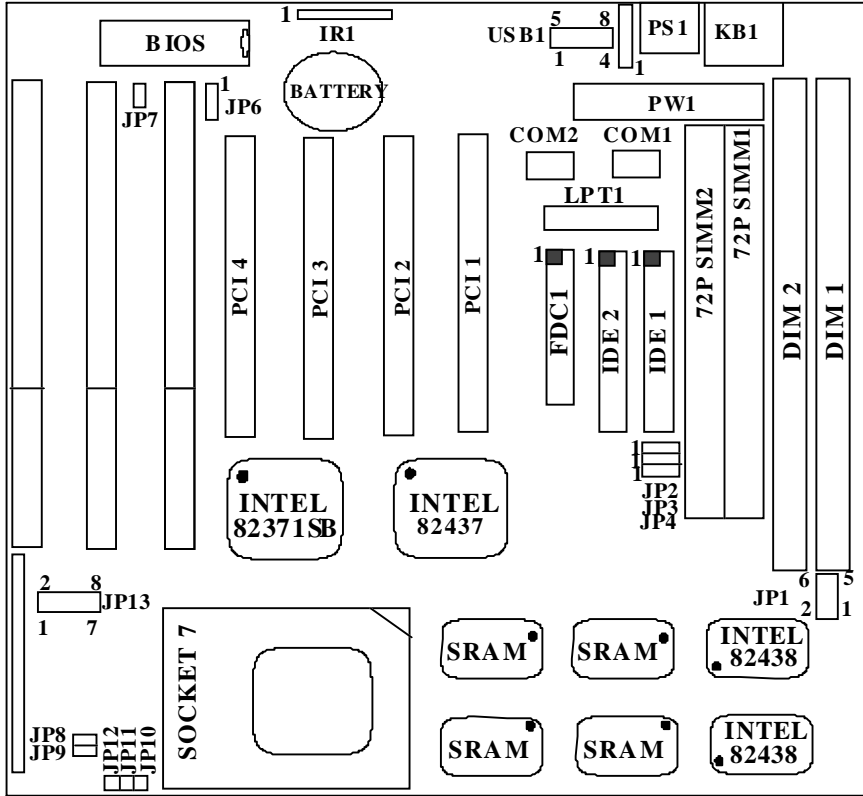


MAIN BOARD
USER'S MANUAL
(VER : VX1F)

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1. LAYOUT REFERENCE



2. JUMPER SETTINGS

a.JP2-JP4,JP8,JP9,JP11-JP13 : INTEL/CYRIX /AMD CPU TYPE SELECTOR

INTEL PENTIUM® CPU	CLOCK SPEED	RATIO	JP2	JP3	JP4	JP8	JP9	JP11	JP12	JP13
P54C 75 3.3V	(50MHZ)	1.5	1-2	1-2	1-2	OFF	OFF	OFF	OFF	1-2,5-6,7-8
P54C 90 3.3V	(60MHZ)	1.5	1-2	1-2	2-3	OFF	OFF	OFF	OFF	1-2,5-6,7-8
P54C 100 3.3V	(66MHZ)	1.5	1-2	2-3	1-2	OFF	OFF	OFF	OFF	1-2,5-6,7-8
P54C 120 3.3V	(60MHZ)	2	1-2	1-2	2-3	OFF	OFF	ON	OFF	1-2,5-6,7-8
P54C 133 3.3V	(66MHZ)	2	1-2	2-3	1-2	OFF	OFF	ON	OFF	1-2,5-6,7-8
P54C 150 3.3V	(60MHZ)	2.5	1-2	1-2	2-3	OFF	OFF	ON	ON	1-2,5-6,7-8
P54C 166 3.3V	(66MHZ)	2.5	1-2	2-3	1-2	OFF	OFF	ON	ON	1-2,5-6,7-8
P55C 166 2.8/3.3V	(66MHZ)	2.5	1-2	2-3	1-2	ON	ON	ON	ON	7-8
P54C 180 3.3V	(60MHZ)	3	1-2	1-2	2-3	OFF	OFF	OFF	ON	1-2,5-6,7-8
P54C 200 3.3V	(66MHZ)	3	1-2	2-3	1-2	OFF	OFF	OFF	ON	1-2,5-6,7-8
P55C 200 2.8/3.3V	(66MHZ)	3	1-2	2-3	1-2	ON	ON	OFF	ON	7-8
P55C 233 2.8/3.3V	(66MHZ)	3.5	1-2	2-3	1-2	ON	ON	OFF	OFF	7-8
AMD® CPU	CLOCK SPEED	RATIO	JP2	JP3	JP4	JP8	JP9	JP11	JP12	JP13
PR75 3.52V	(50MHZ)	1.5	1-2	1-2	1-2	OFF	OFF	OFF	OFF	1-2,3-4,5-6,7-8
PR90/PR120 3.52V	(60MHZ)	1.5	1-2	1-2	2-3	OFF	OFF	OFF	OFF	1-2,3-4,5-6,7-8
PR100/PR133 3.52V	(66MHZ)	1.5	1-2	2-3	1-2	OFF	OFF	OFF	OFF	1-2,3-4,5-6,7-8
PR150 3.52V	(60MHZ)	2.5	1-2	1-2	2-3	OFF	OFF	ON	ON	1-2,3-4,5-6,7-8
PR166 3.52V	(66MHZ)	2.5	1-2	2-3	1-2	OFF	OFF	ON	ON	1-2,3-4,5-6,7-8
K6 PR166 2.9/3.3V	(66MHZ)	2.5	1-2	2-3	1-2	ON	ON	ON	ON	1-2,7-8
K6 PR200 2.9/3.3V	(66MHZ)	3	1-2	2-3	1-2	ON	ON	OFF	ON	1-2,7-8
K6 PR233 3.2/3.3V	(66MHZ)	3.5	1-2	2-3	1-2	ON	ON	OFF	OFF	5-6,7-8
CYRIX® CPU	CLOCK SPEED	RATIO	JP2	JP3	JP4	JP8	JP9	JP11	JP12	JP13
P120+ 3.52V	(50MHZ)	2	1-2	1-2	1-2	OFF	OFF	ON	OFF	1-2,3-4,5-6,7-8
P133+ 3.52V	(55MHZ)	2	2-3	1-2	1-2	OFF	OFF	ON	OFF	1-2,3-4,5-6,7-8
P150+ 3.52V	(60MHZ)	2	1-2	1-2	2-3	OFF	OFF	ON	OFF	1-2,3-4,5-6,7-8
P166+ 3.52V	(66MHZ)	2	1-2	2-3	1-2	OFF	OFF	ON	OFF	1-2,3-4,5-6,7-8
P200+ 3.52V	(75MHZ)	2	2-3	1-2	2-3	OFF	OFF	ON	OFF	1-2,3-4,5-6,7-8
P133+ 2.8/3.3V 6X86L	(55MHZ)	2	2-3	1-2	1-2	ON	ON	ON	OFF	7-8
P150+ 2.8/3.3V 6X86L	(60MHZ)	2	1-2	1-2	2-3	ON	ON	ON	OFF	7-8
P166+ 2.8/3.3V 6X86L	(66MHZ)	2	1-2	2-3	1-2	ON	ON	ON	OFF	7-8
P200+ 2.8/3.3V 6X86L	(75MHZ)	2	2-3	1-2	2-3	ON	ON	ON	OFF	7-8
PR166+ 2.9/3.3V 6X86MX	(60MHZ)	2.5	1-2	1-2	2-3	ON	ON	ON	ON	1-2,7-8
MX P166+ 2.9/3.3V	(66MHZ)	2	1-2	2-3	1-2	ON	ON	ON	OFF	1-2,7-8

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EXPLANATION OF JUMPER SETTING

JP2-JP4 CPU & PCI BUS FREQUENCY SELECTOR

	50 MHZ	55 MHZ	60 MHZ	66.6 MHZ	75MHZ
JP2	1-2	2-3	1-2	1-2	2-3
JP3	1-2	1-2	1-2	2-3	1-2
JP4	1-2	1-2	2-3	1-2	2-3

JP8,JP9 SINGAL /DUAL VOLTAGE CPU SELECTOR

	SINGAL VOLTAGE CPU	DUAL VOLTAGE CPU
JP8	OFF	ON
JP9	OFF	ON

NOTE: INTEL P54C, AMD K5, CYRIX M1 ARE "SIGNAL VOLTAGE CPU"
P55C, K6, M2 ARE "DUAL VOLTAGE CPU".

JP11,JP12 CPU CLOCK SELECTOR

	1.5 X	2.0 X	2.5 X	3.0 X	3.5 X
JP11	OFF	ON	ON	OFF	OFF
JP12	OFF	OFF	ON	ON	OFF

JP13 VCORE VOLTAGE SELECTOR

JP13	VOLTAGE OUTPUT	JP13	VOLTAGE OUTPUT
1-2, 3-4, 5-6, 7-8	3.50V	1-2, 3-4, 5-6	2.70V
3-4, 5-6, 7-8	3.40V	3-4, 5-6	2.60V
1-2, 5-6, 7-8	3.30V	1-2, 5-6	2.50V
5-6, 7-8	3.20V	5-6	2.40V
1-2, 3-4, 7-8	3.10V	1-2, 3-4	2.30V
3-4, 7-8	3.00V	3-4	2.20V
1-2, 7-8	2.90V	1-2	2.10V
7-8	2.80V	OFF	2.00V

JP1 : DIMM VOLTAGE SELECTOR

	3.3V DIMM	5V DIMM
JP1	1-3, 2-4	3-5, 4-6

JP6 : BATTERY SELECTOR (BLACK JUMPER CAP)

	NORMAL	CLEAR CMOS
JP6	1-2 (DEFAULT)	2-3

☞ **CUSTOMER NEED TO CLEAR CMOS, THEN RECONFIGURE IT IF FORGET PASSWORD FOR BIOS SETUP.**

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

OTHER JUMPER SETTINGS AND CONNECTORS :

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.

USB1 : USB (UNIVERSAL SERIAL BUS) CONNECTOR .

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

USB1 : USB (UNIVERSAL SERIAL BUS) CONNECTOR

USB PIN OUT			
	USB1		USB2
PIN1	+5V	PIN5	+5V
PIN2	USBP0-	PIN6	USBP1-
PIN3	USBP0+	PIN7	USBP1+
PIN4	GND	PIN8	GND

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)
