5BT ONE SHEET MANUAL

This leaflet is meant to help you set the jumpers for your 5BT Mainbaord in order to boot the Mainbaord. A manual that describes the possibilities of your board in more detail is included on the CD ROM that came with your 5BT board. Please refer to Diagram 1 for the location of the relevant jumpers:

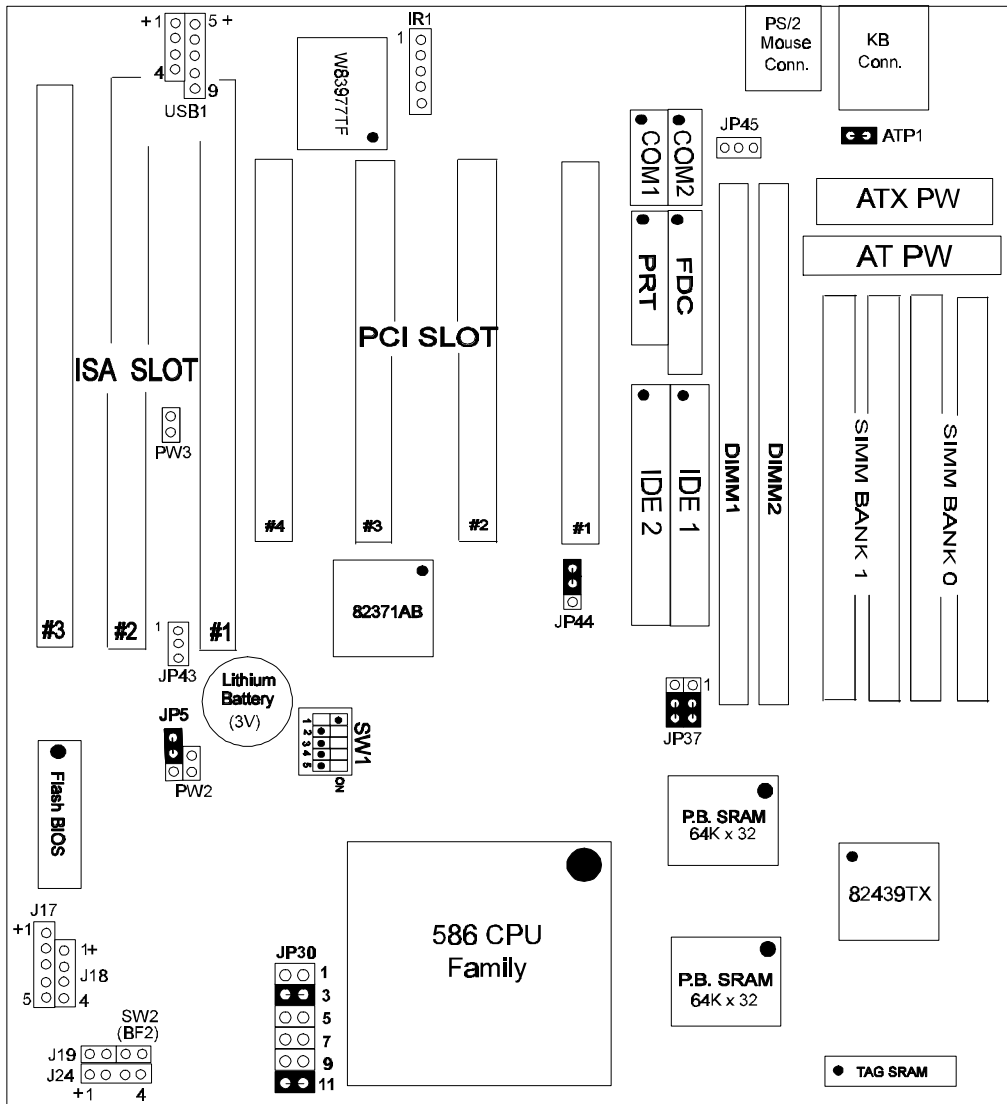Diagram 1:   Mainbaord layout

Board layout labels: USB1, W83977TF, IR1, PS/2 Mouse Conn., KB Conn., COM1, COM2, JP45, ATP1, PRT, FDC, ATX PW, AT PW, ISA SLOT, PCI SLOT, PW3, IDE 2, IDE 1, DIMM1, DIMM2, SIMM BANK 1, SIMM BANK 0, #4, #3, #2, #1, 82371AB, JP44, JP43, Lithium Battery (3V), JP5, PW2, SW1, JP37, P.B. SRAM 64K x 32, Flash BIOS, J17, J18, SW2 (BF2), J19, J24, JP30, 586 CPU Family, P.B. SRAM 64K x 32, 82439TX, TAG SRAM

Table 1:   Jumper settings for CPU voltage and frequency

Voltage Settings: JP30						
voltage	1-2	3-4	5-6	7-8	9-10	11-12
single 3.52V	off	on	off	off	off	on
single 3.3V	off	on	off	off	on	off
dual 3.2V	off	off	off	on	off	on
dual 2.9V	off	off	on	off	off	on
dual 2.8V	off	on	off	off	off	on
dual 2.2V	on	off	off	off	off	on

CPU frequency settings: SW1 and SW2			
freq:	3	4	5
50 MHz	on	on	on
60 MHz	on	off	off
66 MHz	off	off	off
75 MHz*	off	on	off
*Over-specification setting is not guaranteed.			

multiplier	1	2	sw2
1.5 / 3.5x	off	off	off
2.0x	on	off	off
2.5x	on	on	off
3.0x	off	on	off
4.0x	on	off	on
4.5x	on	on	on
5.0x	off	on	on
5.5x	off	off	on

Note: This table obtains the most recently updated CPU setting. Disregard those settings which are different from the table above in the CD.

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Table 2: Additional jumper settings

AT or ATX powersupply selection				CPU cooling fan: JP43				Wake up On Lan (WOL): JP45			
	ATP1	PW3	JP44	pin	1	2	3	pin	1	2	3
AT power supply default	closed	open	1-2	voltage	GND	12V	GND	signal	5V	GND	sensor
				Reset: J19				**HDD Led: J24**			
ATX power supply	open	closed	2-3	connect the reset button to J19				connect the HDD led to J24			
CMOS clear:	Retain CMOS data (default)			1-2	**Power switch: PW2**						
JP5	Clear CMOS data			2-3	connect your power switch to this jumper						
DIMM voltage:	3.3V **DIMM** (default)			3-5	**Speaker: J18**			**Powerled: J17**			
JP37	5V **DIMM**			1-3	connect the speaker to J18			connect keylock & power led to J17			

Table 3: Memory configurations

	SIMM BANK		DIMM BANK		Note! Do not use
	BANK 0	**BANK 1**	**DIMM 1**	**DIMM 2**	FPM or EDO memory
RAM Type	FPM / EDO	FPM / EDO	FPM/EDO SDRAM	FPM/EDO/SDRAM	if you already use
Size	4/8/16/32/64	4/8/16/32/64	8/16/32/64	8/16/32/64	SDRAM type memory

Table 4: Settings for various processors

SETTINGS	CPU Frequency:		SW1 and SW2						JP 30: CPU voltage						
processor	bus clock	multiplier	1	2	3	4	5	sw2		1-2	3-4	5-6	7-8	9-10	11-12
AMD K5 PR75	50 MHz	1.5x	off	off	**on**	**on**	**on**	off							
AMD K5 PR90	60 MHz	1.5x	off	off	**on**	off	off	off							
AMD K5 PR100	66 MHz	1.5x	off	off	off	off	off	off	The AMD K5 comes in several versions with different voltages. Please ask your dealer for the correct voltage.						
AMD K5 PR120	60 MHz	1.5x	off	off	**on**	off	off	off							
AMD K5 PR133	66 MHz	1.5x	off	off	off	off	off	off							
AMD K5 PR150	66 MHz	1.5x	off	off	off	off	off	off							
AMD K5 PR166	66 MHz	2.5x	**on**	**on**	off	off	off	off							
AMD K6 166	66 MHz	2.5x	**on**	**on**	off	off	off	off	dual 2.9V	off	off	**on**	off	off	**on**
AMD K6 200	66 MHz	3x	off	**on**	off	off	off	off	dual 2.9V	off	off	**on**	off	off	**on**
AMD K6 233	66 MHz	3.5x	off	off	off	off	off	off	dual 2.2V	**on**	off	off	off	off	**on**
AMD K6 266	66 MHz	4.0x	**on**	off	off	off	**on**	off	dual 2.2V	**on**	off	off	off	off	**on**
AMD K6 300	66 MHz	4.5x	**on**	**on**	off	off	**on**	off	dual 2.2V	**on**	off	off	off	off	**on**
AMD K6-2 266	66 MHz	4.0x	**on**	off	off	off	**on**	off	dual 2.2V	**on**	off	off	off	off	**on**
AMD K6-2 300	66 MHz	4.5x	**on**	**on**	off	off	**on**	off	dual 2.2V	**on**	off	off	off	off	**on**
AMD K6-2 333	66 MHz	5.0x	off	**on**	off	off	**on**	off	dual 2.2V	**on**	off	off	off	off	**on**
AMD K6-2 366	66 MHz	5.5x	off	off	off	off	**on**	off	dual 2.2V	**on**	off	off	off	off	**on**
Cyrix 6x86 PR150+	60 MHz	2.0x	**on**	off	**on**	off	off	off	The regular Cyrix 6x86 comes in several versions with different voltages. Please ask your dealer for the correct voltage.						
Cyrix 6x86 PR166+	66 MHz	2.0x	**on**	off	off	off	off	off							
Cyrix 6x86 PR200+	75 MHz	2.0x	**on**	off	**on**	off	off	off							
Cyrix MX PR166**	**60 / 2.5**	*66 / 2.0*	**on**	**on**	**on**	off	off	off	dual 2.9V	off	off	**on**	off	off	**on**
Cyrix MX PR200**	**66 / 2.5**	*75 / 2.0*	**on**	**on**	off	off	off	off	dual 2.9V	off	off	**on**	off	off	**on**
Cyrix MX PR233**	**66 / 3.0**	*75 / 2.5*	off	**on**	off	off	off	off	dual 2.9V	off	off	**on**	off	off	**on**
Cyrix MX PR266**	**66 / 3.5**	*75 / 3.0*	off	off	off	off	off	off	dual 2.9V	off	off	**on**	off	off	**on**
Cyrix MII 300**	**66 / 3.5**	*75 / 3.0*	off	off	off	off	off	off	dual 2.9V	off	off	**on**	off	off	**on**
P54C P75	50 MHz	1.5x	off	off	**on**	**on**	**on**	off							
P54C P90	60 MHz	1.5x	off	off	**on**	off	off	off							
P54C P100	66 MHz	1.5x	off	off	off	off	off	off	The P54C (standard Pentium) comes in several versions with different voltages. Please ask your dealer for the correct voltage.						
P54C P120	60 MHz	2.0x	**on**	off	**on**	off	off	off							
P54C P133	66 MHz	2.0x	**on**	off	off	off	off	off							
P54C/P55C P150	60 MHz	2.5x	**on**	**on**	**on**	off	off	off							
P54C/P55C P166	66 MHz	2.5x	**on**	**on**	off	off	off	off							
P54C/P55C P180	60 MHz	3x	off	**on**	**on**	off	off	off	The P55C (MMX) processors have the same voltage setting:						
P54C/P55C P200	66 MHz	3x	off	**on**	off	off	off	off							
P55C P233	66 MHz	3.5x	off	off	off	off	off	off	2.8V	off	**on**	off	off	off	**on**
IDT WinChip C6/2-180	60MHz	3x	off	**on**	**on**	off	off	off	single 3.3V	off	**on**	off	off	**on**	off
IDT WinChip C6/2-200	66MHz	3x	off	**on**	off	off	off	off	single 3.3V	off	**on**	off	off	**on**	off
IDT WinChip C6/2-225	75MHz	3x	off	**on**	**on**	off	off	off	single 3.3V	off	**on**	off	off	**on**	off
IDT WinChip C6/2-233	66MHz	3.5x	off	off	off	off	off	off	single 3.3V	off	**on**	off	off	**on**	off
IDT WinChip C6/2-240	60MHz	4x	**on**	off	**on**	off	off	off	single 3.3V	off	**on**	off	off	**on**	off
IDT WinChip C6/2-180	60MHz	3x	off	**on**	**on**	off	off	off	single 3.52V	off	**on**	off	off	off	**on**
IDT WinChip C6/2-200	66MHz	3x	off	**on**	off	off	off	off	single 3.52V	off	**on**	off	off	off	**on**
IDT WinChip C6/2-225	75MHz	3x	off	**on**	**on**	off	off	off	single 3.52V	off	**on**	off	off	off	**on**
IDT WinChip C6/2-233	66MHz	3.5x	off	off	off	off	off	off	single 3.52V	off	**on**	off	off	off	**on**
IDT WinChip C6/2-240	60MHz	4x	**on**	off	**on**	off	off	off	single 3.52V	off	**on**	off	off	off	**on**
Rise mP6 PR233	75MHz	2.5x	**on**	**on**	off	off	off	off	single 2.8V	off	**on**	off	off	off	**on**
Rise mP6 PR266	66MHz	3x	off	**on**	off	off	off	off	single 2.8V	off	**on**	off	off	off	**on**

** Set the proper CPU frequency, according to the marking on the CPU. Over-specification is not guaranteed.

*This specification is subject to change without notice.

*All brand names and trademarks are the properties of their respective owners.