

2 Setting Up the JX30WB

Precautions

Although the JX30WB system board is securely packed in its shipping container, use care while unpacking the system board. After unpacking the JX30WB, place it on its anti-static bag. Carefully inspect the board for damage that may have occurred during shipment, making sure the jumper pins are not bent.

Static Electricity

The JX30WB is shipped in an anti-static bag; however, it is still important that you and your work area are static free. Ground yourself first and then ground the board.

Office Environment

When installing the JX30WB, make sure the finished product is in an area with good ventilation. The system should not be in direct sunlight; near heaters; or exposed to moisture, dust, or dirt.

JX30WB Components

Danger of explosion if battery is incorrectly replaced. The battery should only be replaced by an authorized technician, using the same or equivalent recommended by the manufacturer. Discard used batteries according to the manufacturer's instructions.

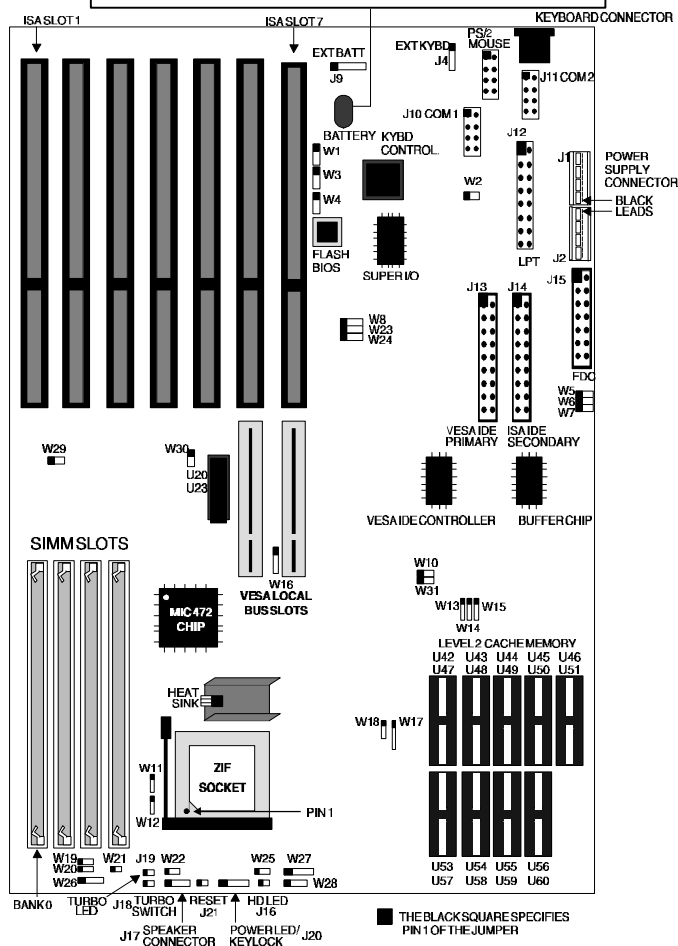


Figure 2-1. JX30WB Rev. 1B System Board

NOTE: Refer to Appendix D for battery disposal instructions.

Jumper Settings

Table 2-1 lists jumper settings for the BIOS operation.

Table 2-1. BIOS Operation Selection

Jumper	Function	Setting
W1	BIOS Recovery Normal (Default)	1-2 2-3
W31	BIOS Write Protect (Default) BIOS Write Enable	1-2 Open

NOTE: Jumper W31 must be reconfigured to update (Flash) the BIOS. If problems occur during the flash procedure, reset W1 to the BIOS Recovery Mode. A special diskette is also needed for the recovery mode. Refer to your computer dealer for the Flash Utility diskette and the special recovery diskette, or call Micronics' BBS number at (510) 651-6837 to download the utility.

Table 2-2 lists jumper settings for the type of video monitor display used with the system board.

Table 2-2. Video Monitor Display Selection

Jumper	Function	Setting
W2	Color (Default) Monochrome	1-2 Open

Jumper Settings (Cont'd)

Table 2-3 lists jumper settings for the printer port configuration.

Table 2-3. Printer Port Configuration Selection

Jumper	Function	Setting
W3	ECP uses DMA1	1-2
	ECP uses DMA3	2-3
	ECP Disabled (Default)	Open
W4	ECP uses DMA1	1-2
	ECP uses DMA3	2-3
	ECP Disabled (Default)	Open
W8	IRQ 7 (Default)	1-2
	IRQ 5	2-3

Table 2-4 lists jumper settings for the CMOS reset selection.

Table 2-4. CMOS Reset Selection

Jumper	Function	Setting
W5	Normal (Default)	1-2
	Reset CMOS	2-3

WARNING: Power must be **off** during CMOS reset procedure.

Jumper Settings (Cont'd)

Table 2-5 lists jumper settings for the SMI configuration.

Table 2-5. SMI Configuration Selection

Jumper	Function	Setting
W6	Break Switch Function	1-2
	Normal (Default)	2-3

Table 2-6 lists jumper settings for the Local Bus IDE.

Table 2-6. Local Bus IDE Selection

Jumper	Function	Setting
W7	Local IDE Enable (Default)	1-2
	Local IDE Disable	2-3

Table 2-7 lists jumper settings for the CPU Clock selection.

Table 2-7. CPU Clock Selection

Jumper	Function	Setting
W10	25 MHz	Open
	33 MHz	1-2

Jumper Settings (Cont'd)

Table 2-8 lists jumper settings for level 2 cache configuration selections.

Table 2-8. Cache Size Selection

Cache	W13	W14	W15	W17	W30
128K	1-2	1-2	1-2	1-2 & 3-4	Open
256K	2-3	2-3	1-2	2-3 & 4-5	Open
512K	2-3	1-2	1-2	1-2 & 3-4	1-2
1M	2-3	2-3	2-3	2-3 & 4-5	1-2

Jumper Settings (Cont'd)

Table 2-9 lists jumper W11 through W21 settings for the type of 486 CPU used on the system board.

Table 2-9. CPU Type Selection (Jumpers W11-W21)

CPU	W11	W12	W18	W19	W20	W21
P24T	1-2 3-4	1-2	Open	1-2	2-3	Open
P24CT	1-2 3-4	1-2	Open	1-2	2-3	Open
P24D	1-2 3-4	2-3	Open	1-2	2-3	1-2
DX4 (3X)	1-2 3-4	2-3	Open	2-3	2-3	Open
DX4 (2.5X)	1-2 3-4	2-3	1-2	2-3	2-3	Open
DX4 (2X)	1-2 3-4	2-3	2-3	2-3	2-3	Open
486 DX2-SL	1-2 3-4	2-3	Open	2-3	2-3	Open
486 DX-SL	1-2 3-4	2-3	Open	2-3	2-3	Open
486 SX-SL	2-3	Open	Open	2-3	2-3	Open
486 DX/DX2	1-2 3-4	2-3	Open	2-3	2-3	Open
AM486 DXL	1-2 3-4	2-3	Open	2-3	2-3	Open
486 SX	2-3	Open	Open	2-3	2-3	Open
487 SX	2-3	1-2	Open	2-3	2-3	Open
M7 (5V)	1-2 3-4	2-3	Open	2-3	1-2	Open
M7 (3.3V)	1-2 3-4	2-3	Open	2-3	1-2	Open

Jumper Settings (Cont'd)

Table 2-10 lists jumper W22 through W28 settings for the type of 486 CPU used on the system board.

Table 2-10. CPU Type Selection (Jumpers W22-W28)

CPU	W22	W23	W24	W25	W26	W27	W28
P24T (5V)	Open	1-2	1-2	1-2	1-2	1-2	3-4
P24CT (3.3V)	Open	1-2	1-2	1-2	1-2	1-2 3-4	3-4
P24D (L1 WB)	2-3	1-2	1-2	1-2	4-5	1-2	1-2 3-4
DX4 (3X)	Open	1-2	2-3	2-3	4-5	1-2 3-4	3-4
DX4 (2.5X)	Open	1-2	2-3	2-3	4-5	1-2 3-4	3-4
DX4 (2X)	Open	1-2	2-3	2-3	4-5	1-2 3-4	3-4
486 DX2-SL	1-2	1-2	2-3	2-3	4-5	1-2 3-4	3-4
486 DX-SL	1-2	1-2	2-3	2-3	4-5	1-2 3-4	3-4
486 SX-SL	1-2	1-2	2-3	2-3	4-5	1-2 3-4	3-4
486 DX/DX2	Open	1-2	2-3	2-3	4-5	1-2 3-4	3-4
AM486 DXL	Open	2-3	1-2	2-3	4-5	1-2 3-4	3-4
486 SX	Open	1-2	2-3	2-3	4-5	1-2 3-4	3-4
487 SX	Open	1-2	2-3	2-3	4-5	1-2 3-4	3-4
M7 (5V)	Open	2-3	1-2	2-3	2-3	2-3	2-3
M7 (3.3V)	Open	2-3	1-2	2-3	2-3	2-3 4-5	2-3

Jumper Settings (Cont'd)

Table 2-11 lists reserved jumpers with factory determined settings. Do not reconfigure these jumpers.

Table 2-11. Reserved Jumpers

Jumper	Function	Setting
W16	Reserved	2-3
W29	Reserved	Open

Jumper Settings (Cont'd.)

Table 2-12 lists jumper settings for peripherals and case connections.

Table 2-12. Peripheral and Case Connections

Jumper	Function	Setting
J1 & J2	Power Supply Connector	
J3	Keyboard Connector	
J4	External Keyboard	
J9	External Battery Connector	
J10	Serial Port A	Can be Disabled at the CMOS configuration screen.
J11	Serial Port B	Can be Disabled at the CMOS configuration screen.
J12	Parallel Port Connector (LPT)	
J13	VESA IDE Connector	Primary
J14	ISA IDE Connector	Secondary
J15	Floppy Disk Connector	
J16	HD LED	
J17	Speaker Connector	1-Speaker; 2-N/C 3-Ground; 4-5V DC
J18	Turbo Switch	
J19	Turbo LED	
J20	Power LED/Keylock	1-Power; 2-N/C; 3-Ground; 4-Keybd Lock; & 5-Ground
J21	Reset	

Setting Up the JX30WB	2-1
Precautions	2-1
Static Electricity	2-1
Office Environment	2-1
JX30WB Components	2-2
Jumper Settings	2-3
 Figure 2-1. JX30WB Rev. 1B System Board	2-2
 Table 2-1. BIOS Operation Selection	2-3
Table 2-2. Video Monitor Display Selection	2-3
Table 2-3. Printer Port Configuration Selection	2-4
Table 2-4. CMOS Reset Selection	2-4
Table 2-5.SMI Configuration Selection	2-5
Table 2-6. Local Bus IDE Selection	2-5
Table 2-7. CPU Clock Selection	2-5
Table 2-8. Cache Size Selection	2-6
Table 2-9. CPU Type Selection (Jumpers W11-W21)	2-7
Table 2-10. CPU Type Selection (Jumpers W22-W28)	2-8
Table 2-11. Reserved Jumpers	2-9
Table 2-12. Peripheral and Case Connections	2-10