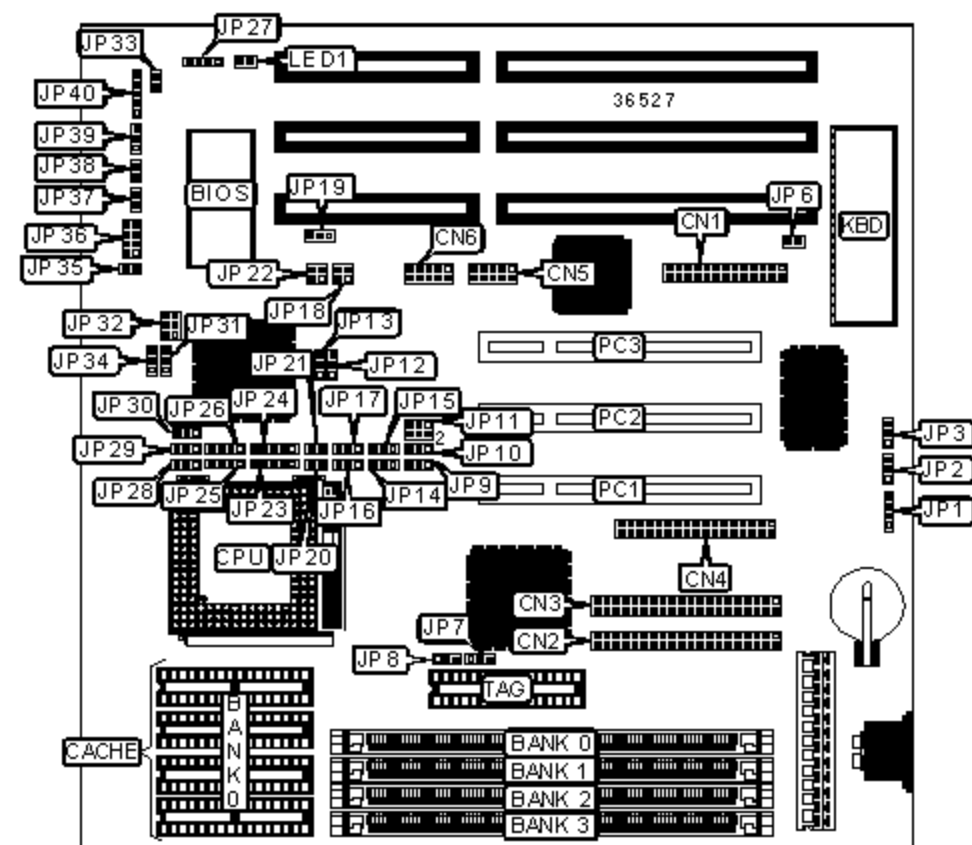


J-MARK COMPUTER CORPORATION

J-446B

Device Type	Mainboard
Processor	AM486DX2/AM486DX4/AM5X86/AM X5/CX486DX2/CX486DX4/ CX5X86/80486SX/80486DX2/80486DX4/P24D/P24T
Processor Speed	25/33/40/50(internal)/50/66(internal)/75(internal)/80(internal)/ 100(internal)/120(internal)MHz
Chip Set	SIS
Maximum Onboard Memory	128MB
Cache	128/256KB
BIOS	Unidentified
Dimensions	330mm x 218mm
I/O Options	32-bit PCI slots (3), floppy drive interface, green PC connector, IDE interfaces (2), parallel port, serial ports (2)



CONNECTIONS

Purpose	Location	Purpose	Location
Parallel port	CN1	IDE interface LED	JP33
IDE interface 2	CN2	Standby mode connector	JP35
IDE interface 1	CN3	Green PC connector	JP36
Floppy drive interface	CN4	Turbo LED	JP37
Serial port 1	CN5	Reset switch	JP38

Serial port 2	CN6	Power LED & keylock	JP40
External battery	JP1	Green PC LED	LED1
Speaker	JP27	32-bit PCI slots	PC1 – PC3

USER CONFIGURABLE SETTINGS

Function		Label	Position
	Monitor type select color	JP6	Closed
	Monitor type select monochrome	JP6	Open
»	Factory configured - do not alter	JP7	Unidentified
»	Factory configured - do not alter	JP8	Unidentified
»	Factory configured - do not alter	JP13	Unidentified
»	Factory configured - do not alter	JP18	Unidentified
»	Factory configured - do not alter	JP21	Unidentified
»	Factory configured - do not alter	JP22	Unidentified
	Turbo enabled	JP39	Pins 2 & 3 closed
	Turbo disabled	JP39	Pins 1 & 2 closed

SIMM CONFIGURATION

Size	Bank 0	Bank 1	Bank 2	Bank 3
1MB	(1) 256K x 36	None	None	None
2MB	(1) 256K x 36	(1) 256K x 36	None	None
3MB	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36	None
4MB	(1) 1M x 36	None	None	None
4MB	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36
6MB	(1) 1M x 36	(1) 256K x 36	(1) 256K x 36	None
8MB	(1) 2M x 36	None	None	None
8MB	(1) 1M x 36	(1) 1M x 36	None	None
9MB	(1) 2M x 36	(1) 256K x 36	None	None
10MB	(1) 2M x 36	(1) 256K x 36	(1) 256K x 36	None
12MB	(1) 2M x 36	(1) 1M x 36	None	None

12MB	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36	None
12MB	(1) 1M x 36	(1) 2M x 36	None	None
16MB	(1) 4M x 36	None	None	None
16MB	(1) 2M x 36	(1) 1M x 36	(1) 1M x 36	None
16MB	(1) 2M x 36	(1) 2M x 36	None	None
16MB	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
17MB	(1) 4M x 36	(1) 256K x 36	None	None
18MB	(1) 4M x 36	(1) 256K x 36	(1) 256K x 36	None
19MB	(1) 4M x 36	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36
20MB	(1) 4M x 36	(1) 1M x 36	None	None
20MB	(1) 2M x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
24MB	(1) 4M x 36	(1) 1M x 36	(1) 1M x 36	None

SIMM CONFIGURATION (CON'T)

Size	Bank 0	Bank 1	Bank 2	Bank 3
24MB	(1) 4M x 36	(1) 2M x 36	None	None
24MB	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36	None
28MB	(1) 4M x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
32MB	(1) 8M x 36	None	None	None
32MB	(1) 4M x 36	(1) 2M x 36	(1) 2M x 36	None
32MB	(1) 4M x 36	(1) 4M x 36	None	None
32MB	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36
33MB	(1) 8M x 36	(1) 256K x 36	None	None
34MB	(1) 8M x 36	(1) 256K x 36	(1) 256K x 36	None
35MB	(1) 8M x 36	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36
36MB	(1) 8M x 36	(1) 1M x 36	None	None
40MB	(1) 8M x 36	(1) 1M x 36	(1) 1M x 36	None
40MB	(1) 8M x 36	(1) 2M x 36	None	None
40MB	(1) 4M x 36	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36
44MB	(1) 8M x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
48MB	(1) 8M x 36	(1) 2M x 36	(1) 2M x 36	None

	(1) 8M x 36	(1) 4M x 36	None	None
48MB	(1) 8M x 36	(1) 4M x 36	None	None
48MB	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36	None
56MB	(1) 8M x 36	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36
64MB	(1) 8M x 36	(1) 4M x 36	(1) 4M x 36	None
64MB	(1) 8M x 36	(1) 8M x 36	None	None
64MB	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36
80MB	(1) 8M x 36	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36
96MB	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36	None
104MB	(1) 2M x 36	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36
112MB	(1) 4M x 36	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36
128MB	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36

CACHE CONFIGURATION

Size	Bank 0	TAG
128KB	(4) 32K x 8	Unidentified
256KB	(2) 32K x 32	Unidentified

CPU SPEED SELECTION

Speed	JP11	JP12
25MHz	Open	Pins 1 & 2 closed
33MHz	Pins 1 & 2, 3 & 4 closed	Pins 1 & 2 closed
40MHz	Pins 1 & 2 closed	Pins 1 & 2 closed
50iMHz	Open	Pins 1 & 2 closed
50MHz	Pins 3 & 4 closed	Pins 2 & 3 closed
66iMHz	Pins 1 & 2, 3 & 4 closed	Pins 1 & 2 closed
75iMHz	Pins 1 & 2, 3 & 4 closed	Pins 1 & 2 closed
80iMHz	Pins 1 & 2 closed	Pins 1 & 2 closed
100iMHz	Pins 1 & 2, 3 & 4 closed	Pins 1 & 2 closed
120iMHz	Pins 1 & 2 closed	Pins 1 & 2 closed

CPU TYPE SELECTION

Type	JP9	JP10	JP14	JP15	JP16
AM 486DX2-66	2 & 3	2 & 3	Open	Open	2 & 3
AM486DX2-80	2 & 3	2 & 3	Open	Open	2 & 3
AM486DX4-100 (WB)	2 & 3	2 & 3	Open	Open	1 & 2
AM486DX4-100 (WT)	2 & 3	1 & 2	Open	1 & 2	1 & 2
AM486DX4-120	2 & 3	1 & 2	Open	1 & 2	1 & 2
AM5X86-P75	2 & 3	1 & 2	Open	1 & 2	1 & 2
AM X5-133	2 & 3	1 & 2	Open	1 & 2	1 & 2
CX486DX2-66	2 & 3	2 & 3	Open	Open	Open
CX486DX2-80	2 & 3	2 & 3	Open	Open	Open
CX486DX4-100	2 & 3	2 & 3	Open	Open	Open
CX 5X86-100	2 & 3	2 & 3	Open	1 & 2	Open
CX 5X86-120	2 & 3	2 & 3	Open	1 & 2	Open
80486DX4-100 (WB)	2 & 3	1 & 2	Open	1 & 2	1 & 2
80486DX4-100 (WT)	2 & 3	2 & 3	Open	Open	Open
80486DX2-66	2 & 3	2 & 3	Open	Open	Open
80486DX2-50	2 & 3	2 & 3	Open	Open	Open
80486SX-25	Open	2 & 3	Open	Open	Open
P24D-66	2 & 3	1 & 2	Open	1 & 2	1 & 2
P24T-63	1 & 2	1 & 2	Open	Open	Open
P24T-83	1 & 2	1 & 2	Open	Open	Open

Note: Pins designated should be in the closed position.

CPU TYPE SELECTION (CON'T)

Type	JP17	JP20	JP23	JP24	JP25
AM 486DX2-66	Open	Open	Open	4 & 5	1 & 2, 3 & 4
AM486DX2-80	Open	Open	Open	4 & 5	1 & 2, 3 & 4
AM486DX4-100 (WB)	Open	Open	Open	4 & 5	1 & 2, 3 & 4
AM486DX4-100 (WT)	Open	Open	Open	4 & 5	1 & 2, 3 & 4

AM486DX4-100 (W1)	2 & 3	Closed	2 & 3	4 & 5	1 & 2, 3 & 4
AM486DX4-120	2 & 3	Closed	2 & 3	4 & 5	1 & 2, 3 & 4
AM5X86-P75	2 & 3	Closed	2 & 3	4 & 5	1 & 2, 3 & 4
AM X5-133	2 & 3	Closed	2 & 3	4 & 5	1 & 2, 3 & 4
CX486DX2-66	1 & 2	Closed	Open	2 & 3	1 & 2, 3 & 4
CX486DX2-80	1 & 2	Closed	Open	2 & 3	1 & 2, 3 & 4
CX486DX4-100	1 & 2	Closed	Open	2 & 3	1 & 2, 3 & 4
CX 5X86-100	2 & 3	Closed	2 & 3	4 & 5	1 & 2, 3 & 4
CX 5X86-120	2 & 3	Closed	2 & 3	4 & 5	1 & 2, 3 & 4
80486DX4-100 (WB)	2 & 3	Closed	2 & 3	4 & 5	1 & 2, 3 & 4
80486DX4-100 (WT)	2 & 3	Closed	1 & 2	4 & 5	1 & 2, 3 & 4
80486DX2-66	2 & 3	Closed	1 & 2	4 & 5	1 & 2, 3 & 4
80486DX2-50	2 & 3	Closed	1 & 2	4 & 5	1 & 2, 3 & 4
80486SX-25	2 & 3	Closed	1 & 2	4 & 5	2 & 3
P24D-66	2 & 3	Closed	2 & 3	4 & 5	1 & 2, 3 & 4
P24T-63	2 & 3	Closed	Open	1 & 2	1 & 2, 3 & 4
P24T-83	2 & 3	Closed	Open	1 & 2	1 & 2, 3 & 4

Note: Pins designated should be in the closed position.

CPU TYPE SELECTION (CON'T)

Type	JP26	JP28	JP29	JP30
AM 486DX2-66	3 & 4	Open	Open	Open
AM486DX2-80	3 & 4	Open	Open	Open
AM486DX4-100 (WB)	3 & 4	Open	Open	Open
AM486DX4-100 (WT)	1 & 2, 3 & 4	Open	1 & 2	Open
AM486DX4-120	1 & 2, 3 & 4	Open	1 & 2	Open
AM5X86-P75	1 & 2, 3 & 4	Open	1 & 2	2 & 3
AM X5-133	1 & 2, 3 & 4	Open	1 & 2	2 & 3
CX486DX2-66	2 & 3	2 & 3	2 & 3	Open
CX486DX2-80	2 & 3	2 & 3	2 & 3	Open
CX486DX4-100	2 & 3	2 & 3	2 & 3	Open

CX 5X86-100	1 & 2, 3 & 4	Open	1 & 2	Open
CX 5X86-120	1 & 2, 3 & 4	Open	1 & 2	Open
80486DX4-100 (WB)	1 & 2, 3 & 4	Open	1 & 2	Open
80486DX4-100 (WT)	3 & 4	Open	Open	Open
80486DX2-66	3 & 4	Open	Open	Open
80486DX2-50	3 & 4	Open	Open	Open
80486SX-25	3 & 4	Open	Open	Open
P24D-66	1 & 2, 3 & 4	Open	1 & 2	Open
P24T-63	3 & 4	1 & 2	1 & 2	Open
P24T-83	3 & 4	1 & 2	1 & 2	Open

Note: Pins designated should be in the closed position.

CPU VOLTAGE SELECTION

Voltage	JP31	JP32	JP34
3.3v	Pins 2 & 3 closed	Pins 5 & 6 closed	Pins 2 & 3 closed
3.45v	Pins 2 & 3 closed	Pins 3 & 4 closed	Pins 2 & 3 closed
4.0v	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 2 & 3 closed
5v	Pins 1 & 2 closed	Open	Pins 1 & 2 closed

CMOS SELECTION

Setting	JP2	JP3
»Normal operation	Pins 1 & 2 closed	Pins 1 & 2 closed
Memory clear	Pins 2 & 3 closed	Pins 2 & 3 closed

BIOS SELECTION

Setting	JP19
»EPROM	Open
12v	Pins 1 & 2 closed
5v	Pins 2 & 3 closed

