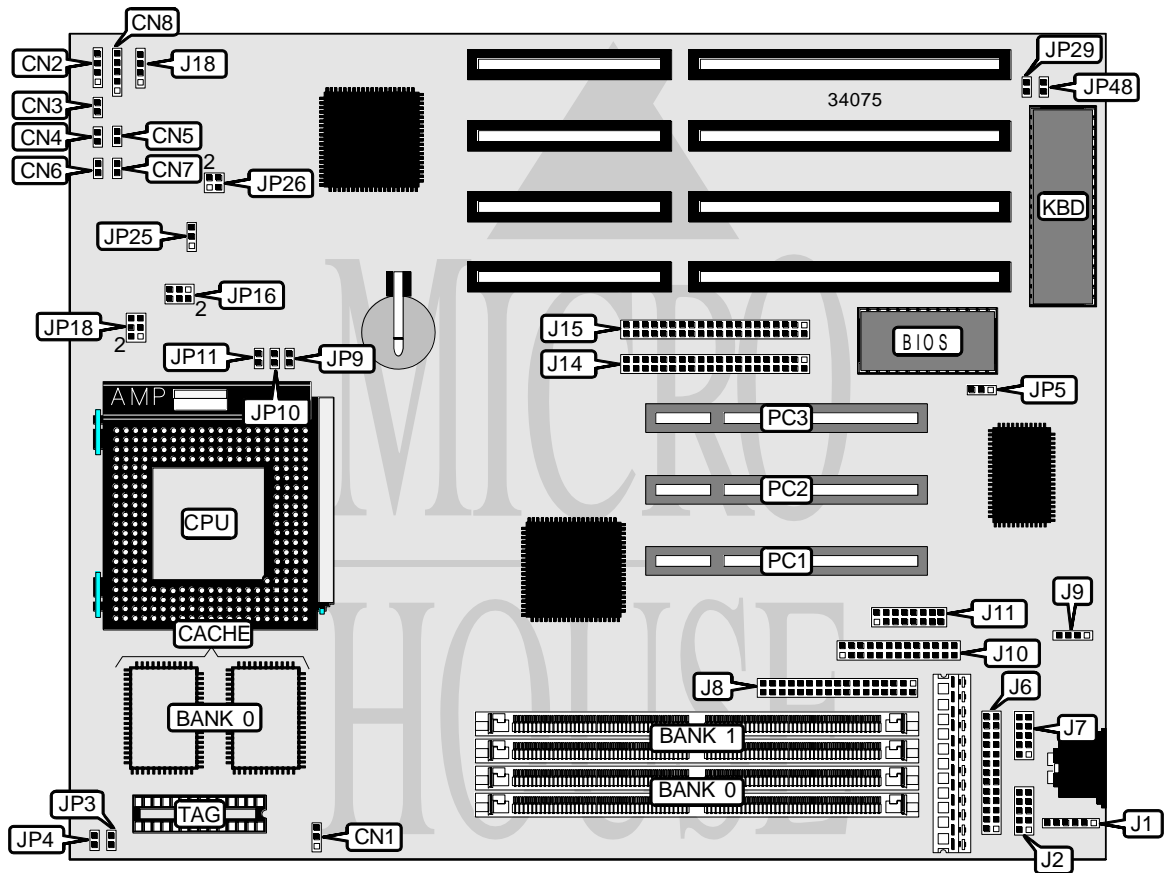


# J-MARK COMPUTER CORPORATION

## J - 6 4 8 A

<b>Processor</b>	CX M1/IBM 6X86/AM K5/Pentium
<b>Processor Speed</b>	75/90/100/120/133/150/166/200MHz
<b>Chip Set</b>	SIS
<b>Video Chip Set</b>	None
<b>Maximum Onboard Memory</b>	512MB (EDO supported)
<b>Maximum Video Memory</b>	None
<b>Cache</b>	256/512KB
<b>BIOS</b>	Award
<b>Dimensions</b>	250mm x 220mm
<b>I/O Options</b>	32-bit PCI slots (3), floppy drive interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse interface, serial ports (2), VGA feature connector, VGA interface, IR connector
<b>NPU Options</b>	None



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# J-MARK COMPUTER CORPORATION

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CONNECTIONS			
Purpose	Location	Purpose	Location
Chassis fan power	CN1	Parallel port	J6
Speaker	CN2	Serial port 2	J7
Reset switch	CN3	Floppy drive interface	J8
Turbo LED	CN4	IR connector	J9
Turbo switch	CN5	VGA feature connector	J10
IDE interface LED	CN6	VGA interface	J11
Green PC connector	CN7	IDE interface 2	J14
Power LED & keylock	CN8	IDE interface 1	J15
PS/2 mouse interface	J1	32-bit PCI slots	PC1 – PC3
Serial port 1	J2		

USER CONFIGURABLE SETTINGS		
Function	Label	Position
í CMOS memory normal operation	J18	Pins 2 & 3 closed
CMOS memory clear	J18	Pins 3 & 4 closed
Flash BIOS voltage select 12v	JP5	Pins 1 & 2 closed
Flash BIOS voltage select 5v	JP5	Pins 2 & 3 closed
í Factory configured - do not alter	JP10	Unidentified
í Factory configured - do not alter	JP18	Unidentified
í Factory configured - do not alter	JP25	Unidentified
Monitor type select color	JP29	Closed
Monitor type select monochrome	JP29	Open
PS/2 mouse IRQ12 enabled	JP48	Closed
PS/2 mouse IRQ12 disabled	JP48	Open

DRAM CONFIGURATION		
Size	Bank 0	Bank 1
4MB	(2) 512K x 36	None
8MB	(2) 1M x 36	None
16MB	(2) 2M x 36	None
16MB	(2) 1M x 36	(2) 1M x 36
24MB	(2) 2M x 36	(2) 1M x 36
32MB	(2) 4M x 36	None
32MB	(2) 2M x 36	(2) 2M x 36
40MB	(2) 4M x 36	(2) 1M x 36
48MB	(2) 4M x 36	(2) 2M x 36
64MB	(2) 8M x 36	None
64MB	(2) 4M x 36	(2) 4M x 36
72MB	(2) 8M x 36	(2) 1M x 36
80MB	(2) 8M x 36	(2) 2M x 36
96MB	(2) 8M x 36	(2) 4M x 36

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# J-MARK COMPUTER CORPORATION

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DRAM CONFIGURATION (CON'T)		
Size	Bank 0	Bank 1
128MB	(2) 8M x 36	(2) 8M x 36
128MB	(2) 16M x 36	None
136MB	(2) 16M x 36	(2) 1M x 36
144MB	(2) 16M x 36	(2) 2M x 36
160MB	(2) 16M x 36	(2) 4M x 36
192MB	(2) 16M x 36	(2) 8M x 36
256MB	(2) 32M x 36	None
256MB	(2) 16M x 36	(2) 16M x 36
264MB	(2) 32M x 36	(2) 1M x 36
272MB	(2) 32M x 36	(2) 2M x 36
288MB	(2) 32M x 36	(2) 4M x 36
320MB	(2) 32M x 36	(2) 8M x 36
384MB	(2) 32M x 36	(2) 16M x 36
512MB	(2) 32M x 36	(2) 32M x 36

Note: Board accepts EDO memory.

CACHE CONFIGURATION		
Size	Bank 0	TAG
256KB	(2) 32K x 32	(1) 32K x 8
512KB	(2) 64K x 32	(1) 32K x 8

CACHE JUMPER CONFIGURATION	
Size	JP3
256KB	Open
512KB	Closed

CPU SPEED SELECTION (CYRIX)						
CPU speed	Clock speed	Multiplier	JP4	JP9	JP11	JP26
120MHz	50MHz	2x	Closed	Open	Closed	1 & 2, 3 & 4
133MHz	66MHz	2x	Closed	Open	Closed	Open
150MHz	60MHz	2x	Closed	Open	Closed	1 & 2
166MHz	66MHz	2x	Closed	Open	Closed	3 & 4

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (IBM)						
CPU speed	Clock speed	Multiplier	JP4	JP9	JP11	JP26
133MHz	55MHz	2x	Closed	Open	Closed	Open
150MHz	60MHz	2x	Closed	Open	Closed	1 & 2
166MHz	66MHz	2x	Closed	Open	Closed	3 & 4

Note: Pins designated should be in the closed position.

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# J-MARK COMPUTER CORPORATION

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CPU SPEED SELECTION (AMD)						
CPU speed	Clock speed	Multiplier	JP4	JP9	JP11	JP26
90MHz	60MHz	1.5x	Open	Open	Open	1 & 2
100MHz	66MHz	2x	Open	Open	Open	3 & 4
133MHz	66MHz	2x	Open	Open	Open	3 & 4

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL)						
CPU speed	Clock speed	Multiplier	JP4	JP9	JP11	JP26
75MHz	50MHz	1.5x	Open	Open	Open	1 & 2, 3 & 4
90MHz	60MHz	1.5x	Open	Open	Open	1 & 2
100MHz	66MHz	1.5x	Open	Open	Open	3 & 4
120MHz	60MHz	2x	Open	Open	Closed	1 & 2
133MHz	66MHz	2x	Open	Open	Closed	3 & 4
150MHz	60MHz	2.5x	Open	Closed	Closed	1 & 2
166MHz	66MHz	2.5x	Open	Closed	Closed	3 & 4
200MHz	66MHz	3x	Open	Closed	Open	3 & 4

Note: Pins designated should be in the closed position.

CPU VOLTAGE SELECTION	
Voltage	JP16
3.3v	Pins 1 & 2 closed
3.45v	Pins 3 & 4 closed
3.52v	Pins 5 & 6 closed