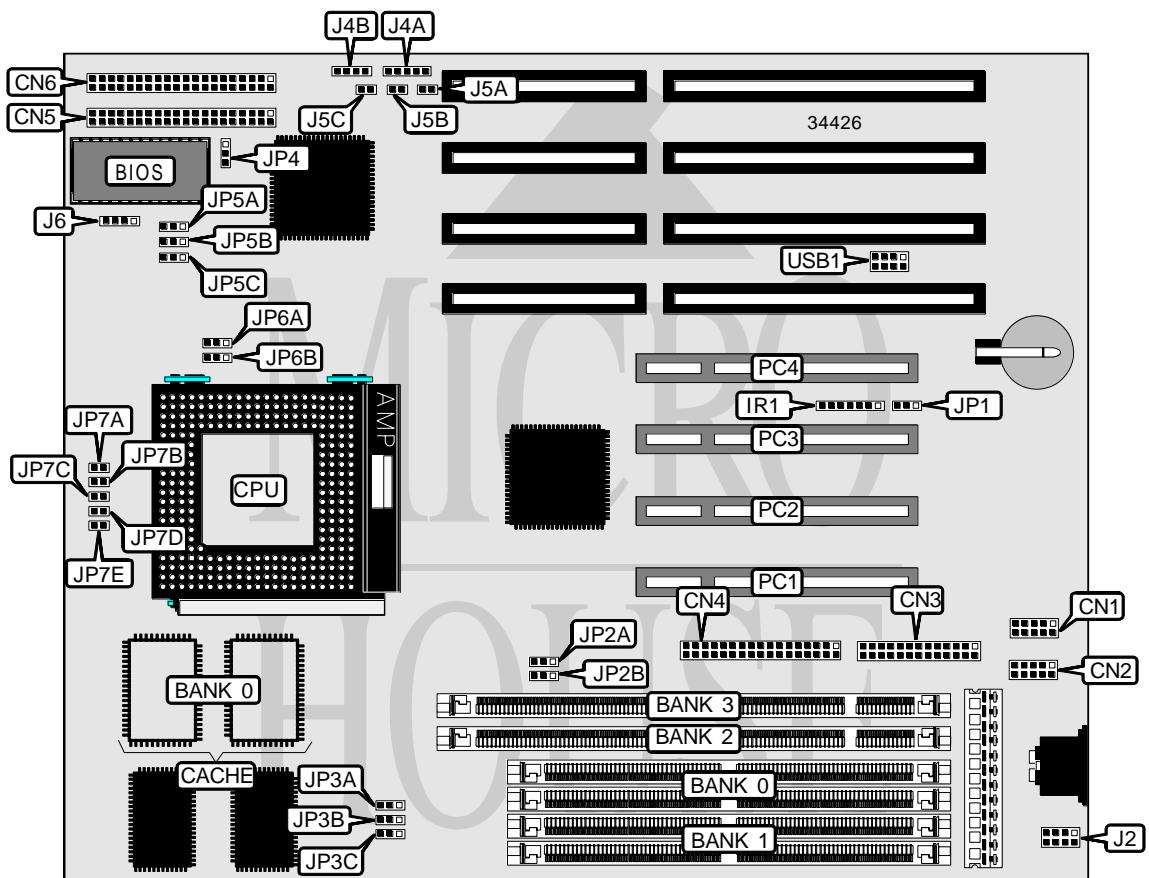


AMPTRON INTERNATIONAL, INC.

P M - 8 7 0 0

Processor	CX 6X86/CX 6X86L/IBM 6X86/IBM 6X86L/AM K5/AM K6/Pentium
Processor Speed	75/90/100/120/133/150/166/180/200/233MHz
Chip Set	Intel
Video Chip Set	None
Maximum Onboard Memory	128MB (EDO supported)
Maximum Video Memory	None
Cache	512KB
BIOS	Award
Dimensions	260mm x 220mm
I/O Options	32-bit PCI slots (4), floppy drive interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse interface, serial ports (2), USB connector
NPU Options	None



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CONNECTIONS			
Purpose	Location	Purpose	Location
Serial port 1	CN1	Power LED & keylock	J4A
Serial port 2	CN2	Speaker	J4B
Parallel port	CN3	Reset switch	J5A
Floppy drive interface	CN4	IDE interface LED	J5B
IDE interface 2	CN5	Turbo LED	J5C
IDE interface 1	CN6	Chassis fan power	J6
IR connector	IR1	32-bit PCI slots	PC1 – PC4
PS/2 mouse interface	J2	USB connector	USB

USER CONFIGURABLE SETTINGS		
Function	Label	Position
í CMOS memory normal operation	JP1	Pins 1 & 2 closed
CMOS memory clear	JP1	Pins 2 & 3 closed
í Factory configured - do not alter	JP4	Unidentified
í Factory configured - do not alter	JP5C	Unidentified

DRAM CONFIGURATION		
Size	Bank 0	Bank 1
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
128MB	(2) 8M x 36	(2) 8M x 36

Note: Board accepts EDO memory.

DIMM CONFIGURATION		
Size	Bank 2	Bank 3
8MB	(1) 1M x 64	None
16MB	(1) 2M x 64	None
16MB	(1) 1M x 64	(1) 1M x 64
24MB	(1) 2M x 64	(1) 1M x 64
32MB	(1) 4M x 64	None
32MB	(1) 2M x 64	(1) 2M x 64

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DIMM CONFIGURATION (CON'T)		
Size	Bank 2	Bank 3
40MB	(1) 4M x 64	(1) 1M x 64
48MB	(1) 4M x 64	(1) 2M x 64
64MB	(1) 8M x 64	None
64MB	(1) 4M x 64	(1) 4M x 64
72MB	(1) 8M x 64	(1) 1M x 64
80MB	(1) 8M x 64	(1) 2M x 64
96MB	(1) 8M x 64	(1) 4M x 64
128MB	(1) 8M x 64	(1) 8M x 64

DIMM VOLTAGE CONFIGURATION		
Voltage	JP2A	JP2B
3.3v	Pins 2 & 3 closed	Pins 2 & 3 closed
5v	Pins 1 & 2 closed	Pins 1 & 2 closed

CACHE CONFIGURATION	
Size	Bank 0
512KB	(2) 64K x 32

CPU SPEED SELECTION (CX 6X86)							
CPU speed	Clock speed	Multiplier	JP3A	JP3B	JP3C	JP5A	JP5B
120MHz	50MHz	2x	2 & 3	2 & 3	2 & 3	2 & 3	1 & 2
133MHz	55MHz	2x	1 & 2	2 & 3	2 & 3	2 & 3	1 & 2
150MHz	60MHz	2x	2 & 3	2 & 3	1 & 2	2 & 3	1 & 2
166MHz	66MHz	2x	2 & 3	1 & 2	2 & 3	2 & 3	1 & 2
200MHz	66MHz	2x	1 & 2	2 & 3	1 & 2	2 & 3	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (IBM 6X86)							
CPU speed	Clock speed	Multiplier	JP3A	JP3B	JP3C	JP5A	JP5B
120MHz	50MHz	2x	2 & 3	2 & 3	2 & 3	2 & 3	1 & 2
133MHz	55MHz	2x	1 & 2	2 & 3	2 & 3	2 & 3	1 & 2
150MHz	60MHz	2x	2 & 3	2 & 3	1 & 2	2 & 3	1 & 2
166MHz	66MHz	2x	2 & 3	1 & 2	2 & 3	2 & 3	1 & 2
200MHz	66MHz	2x	1 & 2	2 & 3	1 & 2	2 & 3	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (CX 6X86L)							
CPU speed	Clock speed	Multiplier	JP3A	JP3B	JP3C	JP5A	JP5B
166MHz	66MHz	2x	2 & 3	1 & 2	2 & 3	2 & 3	1 & 2
200MHz	66MHz	2x	1 & 2	2 & 3	1 & 2	2 & 3	1 & 2

Note: Pins designated should be in the closed position.

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CPU SPEED SELECTION (IBM 6X86L)							
CPU speed	Clock speed	Multiplier	JP3A	JP3B	JP3C	JP5A	JP5B
166MHz	66MHz	2x	2 & 3	1 & 2	2 & 3	2 & 3	1 & 2
200MHz	66MHz	2x	1 & 2	2 & 3	1 & 2	2 & 3	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K5)							
CPU speed	Clock speed	Multiplier	JP3A	JP3B	JP3C	JP5A	JP5B
75MHz	50MHz	1.5x	2 & 3	2 & 3	2 & 3	1 & 2	1 & 2
100MHz	66MHz	1.5x	2 & 3	1 & 2	2 & 3	1 & 2	1 & 2
120MHz	60MHz	1.5x	2 & 3	2 & 3	1 & 2	1 & 2	1 & 2
133MHz	66MHz	1.5x	2 & 3	1 & 2	2 & 3	1 & 2	1 & 2
150MHz	60MHz	2.5x	2 & 3	2 & 3	1 & 2	2 & 3	2 & 3
166MHz	66MHz	2.5x	2 & 3	1 & 2	2 & 3	2 & 3	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K6)							
CPU speed	Clock speed	Multiplier	JP3A	JP3B	JP3C	JP5A	JP5B
166MHz	66MHz	2.5x	2 & 3	1 & 2	2 & 3	2 & 3	2 & 3
200MHz	66MHz	3x	2 & 3	1 & 2	2 & 3	1 & 2	2 & 3
233MHz	75MHz	3.5x	2 & 3	1 & 2	2 & 3	1 & 2	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL)							
CPU speed	Clock speed	Multiplier	JP3A	JP3B	JP3C	JP5A	JP5B
75MHz	50MHz	1.5x	2 & 3	2 & 3	2 & 3	1 & 2	1 & 2
90MHz	60MHz	1.5x	2 & 3	2 & 3	1 & 2	1 & 2	1 & 2
100MHz	66MHz	1.5x	2 & 3	1 & 2	2 & 3	1 & 2	1 & 2
120MHz	60MHz	2x	2 & 3	2 & 3	1 & 2	2 & 3	1 & 2
133MHz	66MHz	2x	2 & 3	1 & 2	2 & 3	2 & 3	1 & 2
150MHz	60MHz	2.5x	2 & 3	2 & 3	1 & 2	2 & 3	2 & 3
166MHz	66MHz	2.5x	2 & 3	1 & 2	2 & 3	2 & 3	2 & 3
180MHz	60MHz	3x	2 & 3	2 & 3	1 & 2	1 & 2	2 & 3
200MHz	66MHz	3x	2 & 3	1 & 2	2 & 3	1 & 2	2 & 3
233MHz	66MHz	3.5x	2 & 3	1 & 2	2 & 3	1 & 2	1 & 2

Note: Pins designated should be in the closed position.

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CPU TYPE SELECTION		
Type	JP6A	JP6B
AM K5	Pins 2 & 3 closed	Pins 2 & 3 closed
AM K6	Pins 1 & 2 closed	Pins 1 & 2 closed
CX 6X86	Pins 2 & 3 closed	Pins 2 & 3 closed
CX 6X86L	Pins 1 & 2 closed	Pins 1 & 2 closed
IBM 6X86	Pins 2 & 3 closed	Pins 2 & 3 closed
IBM 6X86L	Pins 1 & 2 closed	Pins 1 & 2 closed
P54C	Pins 2 & 3 closed	Pins 2 & 3 closed
P55C	Pins 1 & 2 closed	Pins 1 & 2 closed

CPU VOLTAGE SELECTION					
Voltage	JP7A	JP7B	JP7C	JP7D	JP7E
2.5v	Open	Open	Open	Open	Open
2.8v	Open	Open	Open	Open	Closed
2.9v	Open	Open	Open	Closed	Open
3.2v	Open	Open	Closed	Open	Open
3.3v	Open	Closed	Open	Open	Open
3.5v	Closed	Open	Open	Open	Open