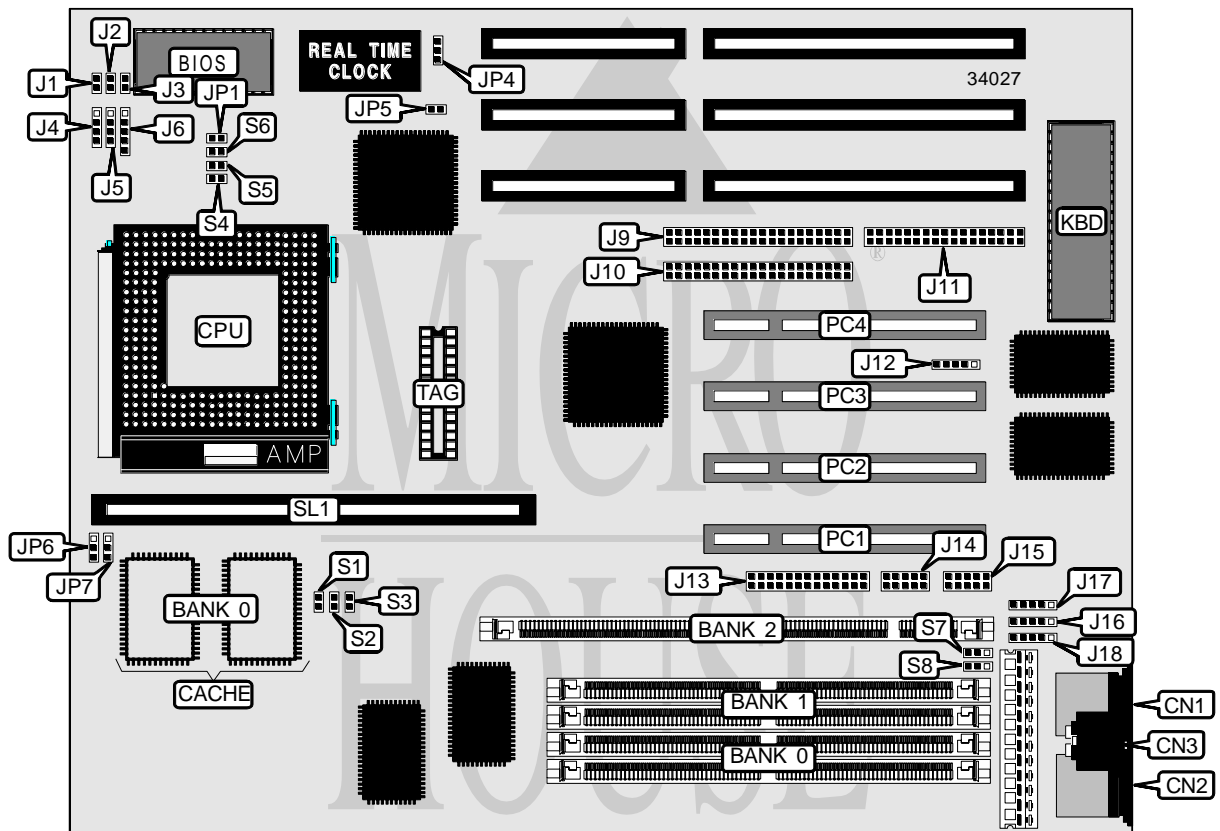


# MAGITRONICS

## A - P 5 9 6 C V - A

<b>Processor</b>	CX M1/AM K5/Pentium
<b>Processor Speed</b>	75/90/100/110/120/133/150/166/180/200MHz
<b>Chip Set</b>	Intel
<b>Video Chip Set</b>	None
<b>Maximum Onboard Memory</b>	128MB (EDO supported)
<b>Maximum Video Memory</b>	None
<b>Cache</b>	256/512KB
<b>BIOS</b>	AMI/Award
<b>Dimensions</b>	270mm x 220mm
<b>I/O Options</b>	16-bit ISA slots (3), 32-bit PCI slots (4), floppy drive interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse interface, serial ports (2), cache slot, IR connector, USB connectors (2), PS/2 mouse, PS/2 keyboard,
<b>NPU Options</b>	None



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# MAGITRONICS

## A - P 5 9 6 C V - A

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CONNECTIONS			
Purpose	Location	Purpose	Location
PS/2 mouse connector	CN1	Floppy drive interface	J11
PS/2 keyboard	CN2	IR connector	J12
Keyboard	CN3	Parallel port	J13
Reset switch	J1	Serial port 2	J14
Green PC connector	J2	Serial port 1	J15
Green PC LED	J3	USB connector 1 (optional)	J16
Speaker	J4	USB connector 2 (optional)	J17
IDE interface LED	J5	PS/2 mouse interface	J18
Power LED & keylock	J6	Cache slot	SL1
IDE interface 1	J9	32-bit PCI slots	PC1 - PC4
IDE interface 2	J10		

USER CONFIGURABLE SETTINGS		
Function	Label	Position
Flash BIOS voltage select 12v	JP4	Pins 1 & 2 closed
Flash BIOS voltage select 5v	JP4	Pins 2 & 3 closed
í CMOS memory normal operation	JP5	Open
CMOS memory clear	JP5	Closed

DIMM/DRAM CONFIGURATION			
Size	Bank 0	Bank 1	Bank 2
4MB	(2) 512 x 32	None	None
8MB	(2) 512 x 32	(2) 512 x 32	None
8MB	None	None	(1) 1M x 64
8MB	(2) 1M x 32	None	None
16MB	(2) 1M x 32	(2) 1M x 32	None
16MB	(2) 2M x 32	None	None
16MB	None	None	(1) 2M x 64
24MB	(2) 2M x 32	(2) 1M x 32	None
24MB	None	(2) 1M x 32	(1) 2M x 64
32MB	None	(2) 4M x 32	None
32MB	None	None	(1) 4M x 64
32MB	(2) 2M x 32	(2) 2M x 32	None
32MB	None	(2) 2M x 32	(1) 2M x 64
40MB	(2) 4M x 32	(2) 1M x 32	None
40MB	None	(2) 1M x 32	(1) 4M x 64
40MB	None	(1) 4M x 64	(1) 1M x 64
48MB	(2) 2M x 32	(2) 4M x 32	None
48MB	None	(2) 2M x 32	(1) 4M x 64
48MB	None	(2) 4M x 32	(1) 2M x 64
64MB	(2) 8M x 32	None	None
64MB	None	None	(1) 8M x 64
64MB	None	(2) 4M x 32	(1) 4M x 64

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# MAGITRONICS

## A - P 5 9 6 C V - A

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DIMM/DRAM CONFIGURATION (CON'T)			
Size	Bank 0	Bank 1	Bank 2
72MB	(2) 8M x 32	(2) 1M x 32	None
72MB	None	(2) 1M x 32	(1) 8M x 64
72MB	None	(2) 8M x 32	(1) 1M x 64
80MB	(2) 8M x 32	(2) 2M x 32	None
80MB	None	(2) 8M x 32	(1) 2M x 64
80MB	None	(2) 2M x 32	(1) 8M x 64
96MB	(2) 8M x 32	(2) 4M x 32	None
96MB	None	(2) 8M x 32	(1) 4M x 64
96MB	None	(2) 4M x 32	(1) 8M x 64
128MB	(2) 4M x 32	(2) 4M x 32	None

Note: Board accepts EDO memory.

DRAM VOLTAGE CONFIGURATION		
Voltage	S7	S8
3.3v	Pins 2 & 3 closed	Pins 2 & 3 closed
5v	Pins 1 & 2 closed	Pins 1 & 2 closed

CACHE CONFIGURATION			
Size	Bank 0	SL1	TAG
256KB	(2) 32K x 32	Not installed	(1) 8K/16K/32K x 8
512KB	(2) 32K x 32	256KB module installed	(1) 8K/16K/32K x 8

CPU SPEED SELECTION (CYRIX)							
CPU speed	Clock speed	Multiplier	JP6	JP7	S1	S2	S3
100MHz	50MHz	2x	1 & 2	2 & 3	Closed	Closed	Open
110MHz	55MHz	2x	1 & 2	2 & 3	Open	Closed	Open
120MHz	60MHz	2x	1 & 2	2 & 3	Closed	Open	Open
133MHz	66MHz	2x	1 & 2	2 & 3	Open	Open	Open
150MHz	60MHz	3x	2 & 3	1 & 2	Open	Open	Closed

Note: Pins designated should be in the closed position. These settings are with the clock generator installed on U8.

CPU SPEED SELECTION (AMD)							
CPU speed	Clock speed	Multiplier	JP6	JP7	S1	S2	S3
75MHz	50MHz	1.5x	1 & 2	1 & 2	Closed	Closed	Open
90MHz	60MHz	1.5x	1 & 2	1 & 2	Closed	Open	Open
100MHz	66MHz	1.5x	1 & 2	1 & 2	Open	Open	Open
120MHz	60MHz	2x	1 & 2	2 & 3	Closed	Open	Open
133MHz	66MHz	2x	1 & 2	2 & 3	Open	Open	Open

Note: Pins designated should be in the closed position. These settings are with the clock generator installed on U8.

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# MAGITRONICS

## A - P 5 9 6 C V - A

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CPU SPEED SELECTION (INTEL)							
CPU speed	Clock speed	Multiplier	JP6	JP7	S1	S2	S3
75MHz	50MHz	1.5x	1 & 2	1 & 2	Closed	Closed	Open
90MHz	60MHz	1.5x	1 & 2	1 & 2	Closed	Open	Open
100MHz	66MHz	1.5x	1 & 2	1 & 2	Open	Open	Open
120MHz	60MHz	2x	1 & 2	2 & 3	Closed	Open	Open
133MHz	66MHz	2x	1 & 2	2 & 3	Open	Open	Open
150MHz	60MHz	2.5x	2 & 3	2 & 3	Closed	Open	Open
166MHz	66MHz	2.5x	2 & 3	2 & 3	Open	Open	Open
180MHz	60MHz	3x	2 & 3	1 & 2	Closed	Open	Open
200MHz	66MHz	3x	2 & 3	1 & 2	Open	Open	Open

Note: Pins designated should be in the closed position. These settings are with the clock generator installed on U8.

CPU VOLTAGE SELECTION					
Voltage	V core	JP1	S4	S5	S6
3.4v (single)	N/A	Closed	Closed	Closed	Closed
3.4v (dual)	2.8v	Closed	Open	Open	Open
3.5v (single)	N/A	Open	Closed	Closed	Closed

Note: These settings are with 2 transistors installed in Q2.