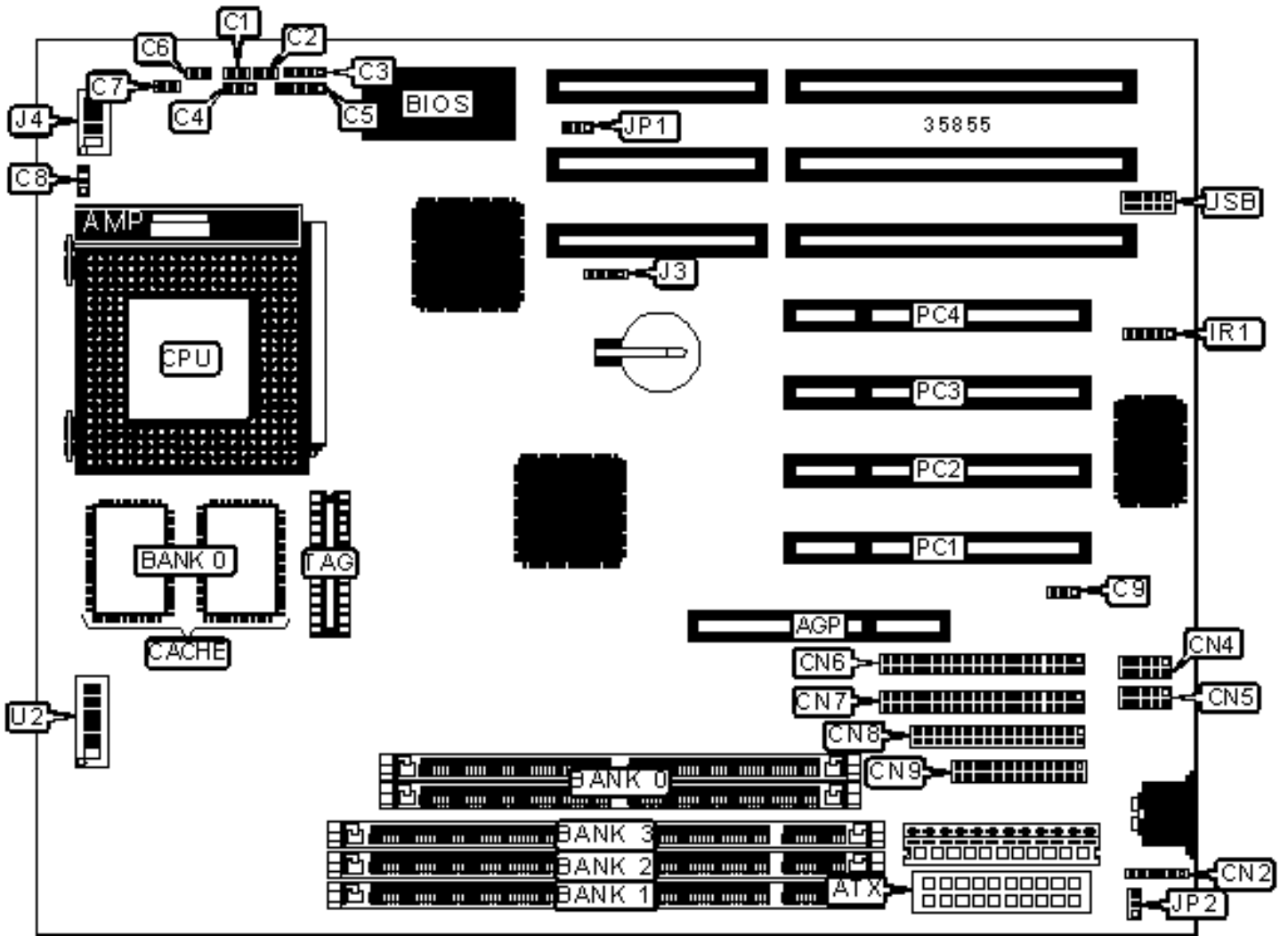


# J-MARK COMPUTER CORPORATION

## J-597A

### Configuration



## CONNECTIONS

Purpose	Location	Purpose	Location
AGP slot	AGP	PS/2 mouse interface	CN2
ATX power connector	ATX	Serial port 2	CN4
Turbo LED	C1	Serial port 1	CN5
Reset switch	C2	IDE interface 2	CN6
Speaker	C3	IDE interface 1	CN7
Turbo switch	C4	Floppy drive interface	CN8
Power LED & keylock	C5	Parallel port	CN9
IDE interface LED	C6	IR connector	IR1
Soft off power supply	C7	32-bit PCI slots	PC1 – PC4
CPU fan power	C8	USB connector	USB
CPU fan power	C9		

## USER CONFIGURABLE SETTINGS

Function	Label	Position
» CMOS memory normal operation	J3	Pins 2 & 3 closed
CMOS memory clear	J3	Pins 3 & 4 closed
Flash BIOS voltage select 12v	JP1	Pins 1 & 2 closed
Flash BIOS voltage select 5v	JP1	Pins 2 & 3 closed
» Factory configured - do not alter	JP2	Unidentified

## SIMM CONFIGURATION

Size	Bank 0
8MB	(2) 1M x 36
16MB	(2) 2M x 36

32MB	(2) 4M x 36
64MB	(2) 8M x 36
128MB	(2) 16M x 36
Note: Board accepts EDO memory.	

<b>DIMM CONFIGURATION</b>			
Size	Bank 0	Bank 1	Bank 2
8MB	(1) 1M x 64	None	None
16MB	(1) 2M x 64	None	None
16MB	(1) 1M x 64	(1) 1M x 64	None
24MB	(1) 2M x 64	(1) 1M x 64	None

<b>DIMM CONFIGURATION (CON'T)</b>			
Size	Bank 0	Bank 1	Bank 2
24MB	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64
32MB	(1) 4M x 64	None	None
32MB	(1) 2M x 64	(1) 1M x 64	(1) 1M x 64
32MB	(1) 2M x 64	(1) 2M x 64	None
40MB	(1) 4M x 64	(1) 1M x 64	None
40MB	(1) 2M x 64	(1) 2M x 64	(1) 1M x 64
48MB	(1) 4M x 64	(1) 1M x 64	(1) 1M x 64
64MB	(1) 8M x 64	None	None
64MB	(1) 4M x 64	(1) 2M x 64	(1) 2M x 64
64MB	(1) 4M x 64	(1) 4M x 64	None
72MB	(1) 8M x 64	(1) 1M x 64	None
80MB	(1) 4M x 64	(1) 4M x 64	(1) 2M x 64

88MB	(1) 8M x 64	(1) 2M x 64	(1) 1M x 64
96MB	(1) 8M x 64	(1) 2M x 64	(1) 2M x 64
96MB	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64
104MB	(1) 8M x 64	(1) 4M x 64	(1) 1M x 64
128MB	(1) 16M x 64	None	None
128MB	(1) 8M x 64	(1) 4M x 64	(1) 4M x 64
128MB	(1) 8M x 64	(1) 8M x 64	None
136MB	(1) 16M x 64	(1) 1M x 64	None
136MB	(1) 8M x 64	(1) 8M x 64	(1) 1M x 64
144MB	(1) 16M x 64	(1) 1M x 64	(1) 1M x 64
144MB	(1) 16M x 64	(1) 2M x 64	None
144MB	(1) 8M x 64	(1) 8M x 64	(1) 2M x 64
152MB	(1) 16M x 64	(1) 2M x 64	(1) 1M x 64
160MB	(1) 16M x 64	(1) 2M x 64	(1) 2M x 64
160MB	(1) 16M x 64	(1) 4M x 64	None
160MB	(1) 8M x 64	(1) 8M x 64	(1) 4M x 64
168MB	(1) 16M x 64	(1) 4M x 64	(1) 1M x 64
192MB	(1) 16M x 64	(1) 4M x 64	(1) 4M x 64
192MB	(1) 16M x 64	(1) 8M x 64	None
192MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64
224MB	(1) 16M x 64	(1) 8M x 64	(1) 4M x 64
256MB	(1) 16M x 64	(1) 8M x 64	(1) 8M x 64
384MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64
Note: Board accepts SDRAM memory.			

## CACHE CONFIGURATION

Size	Bank 0	TAG
512KB	(2) 32K x 64	(1) 32K x 8
1MB	(2) 64K x 64	(1) 32K x 8

CPU SPEED SELECTION (CX 6X86)								
CPU speed	Clock speed	Multiplier	U2/1	U2/2	U2/3	U2/4	U2/5	U2/6
150MHz	60MHz	2x	On	Off	Off	On	Off	Off
166MHz	66MHz	2x	On	Off	Off	Off	Off	Off
200MHz	75MHz	2x	On	Off	Off	Off	On	Off

CPU SPEED SELECTION (IBM 6X86)								
CPU speed	Clock speed	Multiplier	U2/1	U2/2	U2/3	U2/4	U2/5	U2/6
150MHz	60MHz	2x	On	Off	Off	On	Off	Off
166MHz	66MHz	2x	On	Off	Off	Off	Off	Off
200MHz	75MHz	2x	On	Off	Off	Off	On	Off

CPU SPEED SELECTION (CX 6X86MX)								
CPU speed	Clock speed	Multiplier	U2/1	U2/2	U2/3	U2/4	U2/5	U2/6
166MHz	60MHz	2.5x	On	On	Off	On	Off	Off
200MHz	66MHz	2.5x	On	On	Off	Off	Off	Off
200MHz	75MHz	2x	On	Off	Off	Off	On	Off
233MHz	66MHz	3x	Off	On	Off	Off	Off	Off

CPU SPEED SELECTION (IDT C6)								
CPU speed	Clock speed	Multiplier	U2/1	U2/2	U2/3	U2/4	U2/5	U2/6
150MHz	75MHz	2x	On	Off	Off	Off	On	Off

180MHz	60MHz	3x	Off	On	Off	On	Off	Off
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### CPU SPEED SELECTION (AM K5)

CPU speed	Clock speed	Multiplier	U2/1	U2/2	U2/3	U2/4	U2/5	U2/6
90MHz	60MHz	1.5x	Off	Off	Off	On	Off	Off
100MHz	66MHz	1.5x	Off	Off	Off	Off	Off	Off
133MHz	66MHz	1.5x	Off	Off	Off	Off	Off	Off
166MHz	66MHz	2.5x	On	On	Off	Off	Off	Off

### CPU SPEED SELECTION (AM K6)

CPU speed	Clock speed	Multiplier	U2/1	U2/2	U2/3	U2/4	U2/5	U2/6
166MHz	66MHz	2.5x	On	On	Off	Off	Off	Off
200MHz	66MHz	3x	Off	On	Off	Off	Off	Off
233MHz	66MHz	3.5x	Off	Off	Off	Off	Off	Off
266MHz	66MHz	4x	On	Off	On	Off	Off	Off
300MHz	66MHz	4.5x	On	On	On	Off	Off	Off

### CPU SPEED SELECTION (INTEL)

CPU speed	Clock speed	Multiplier	U2/1	U2/2	U2/3	U2/4	U2/5	U2/6
90MHz	60MHz	1.5x	Off	Off	Off	On	Off	Off
100MHz	66MHz	1.5x	Off	Off	Off	Off	Off	Off
120MHz	60MHz	2x	On	Off	Off	On	Off	Off
133MHz	66MHz	2x	On	Off	Off	Off	Off	Off
150MHz	60MHz	2.5x	On	On	Off	On	Off	Off
166MHz	66MHz	2.5x	On	On	Off	Off	Off	Off
200MHz	66MHz	3x	Off	On	Off	Off	Off	Off

### CPU SPEED SELECTION (INTEL MMX)

CPU speed	Clock speed	Multiplier	U2/1	U2/2	U2/3	U2/4	U2/5	U2/6
166MHz	66MHz	2.5x	On	On	Off	Off	Off	Off
200MHz	66MHz	3x	Off	On	Off	Off	Off	Off
233MHz	66MHz	3.5x	Off	Off	Off	Off	Off	Off

### CPU VOLTAGE SELECTION

Voltage	J4/1	J4/2	J4/3	J4/4
Auto	Off	Off	Off	On
2.1v	On	Off	Off	Off
2.2v	Off	On	Off	Off
2.8v	Off	Off	Off	On
2.9v	On	Off	Off	On
3.2v	Off	Off	On	On
3.3v	On	Off	On	On
3.45v	Off	On	On	On
3.52v	On	On	On	On