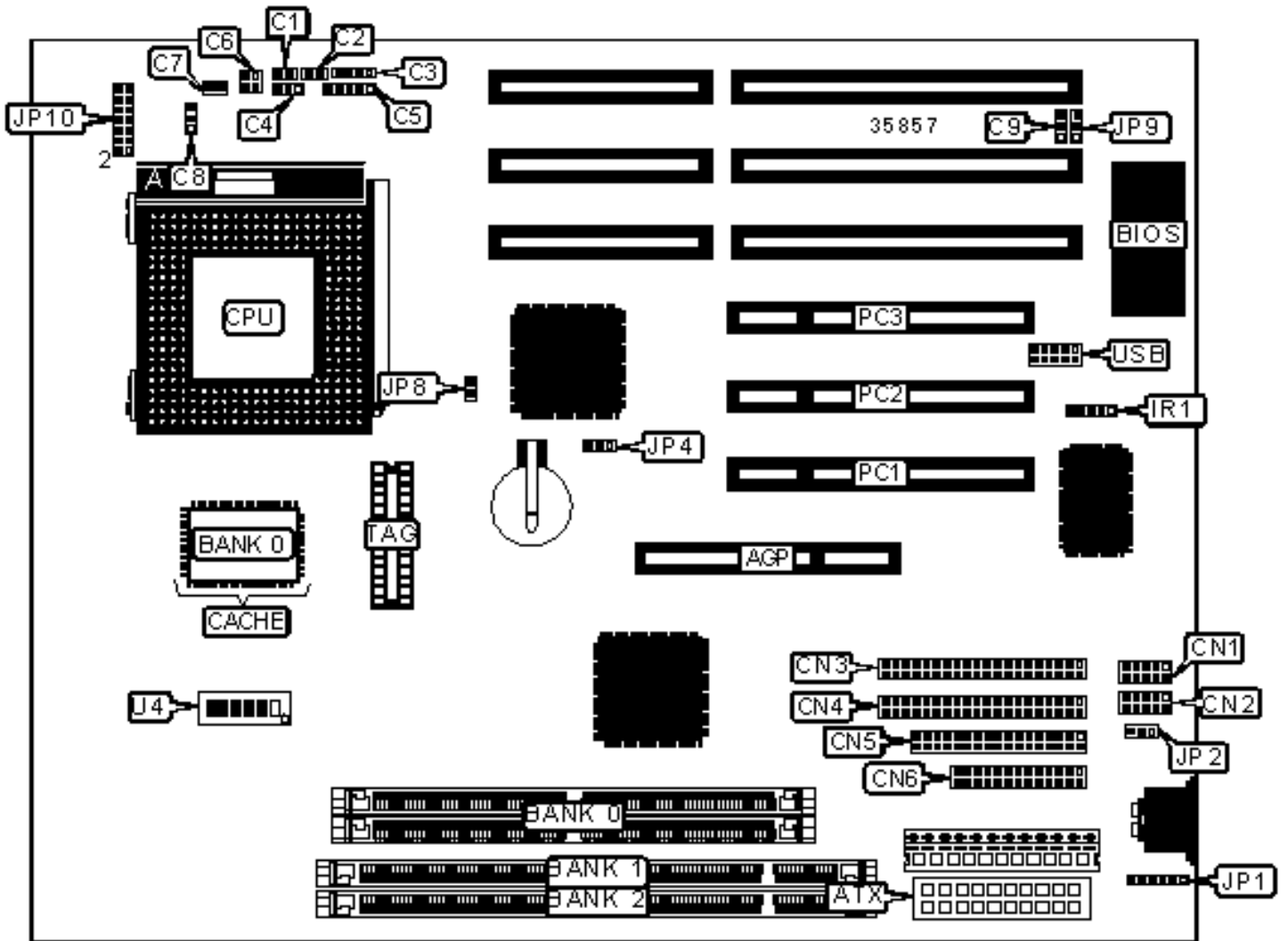


J-MARK COMPUTER CORPORATION

J-591A

Configuration



CONNECTIONS

Purpose	Location	Purpose	Location
AGP slot	AGP	Serial port 2	CN1
ATX power connector	ATX	Serial port 1	CN2
Turbo LED	C1	IDE interface 2	CN3
Reset switch	C2	IDE interface 1	CN4
Speaker	C3	Floppy drive interface	CN5
Turbo switch	C4	Parallel port	CN6
Power LED & keylock	C5	IR connector	IR1
IDE interface LED	C6	PS/2 mouse interface	JP1
Soft off power supply	C7	32-bit PCI slots	PC1 – PC3
Chassis fan power	C8	USB connector	USB
CPU fan power	C9	SCSI interface	

USER CONFIGURABLE SETTINGS

Function	Label	Position
» Keyboard power on disabled	JP2	Pins 2 & 3 closed
Keyboard power on enabled	JP2	Pins 1 & 2 closed
» CMOS memory normal operation	JP4	Pins 1 & 2 closed
CMOS memory clear	JP4	Pins 2 & 3 closed
» Factory configured - do not alter	JP8	Unidentified
» Factory configured - do not alter	JP9	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
256MB	(2) 32M x 36
Note: Board accepts EDO memory.	

DIMM CONFIGURATION		
Size	Bank 1	Bank 2
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
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) 16M x 64	None
128MB	(1) 8M x 64	(1) 8M x 64
136MB	(1) 16M x 64	(1) 1M x 64
144MB	(1) 16M x 64	(1) 2M x 64

160MB	(1) 16M x 64	(1) 4M x 64
192MB	(1) 16M x 64	(1) 8M x 64
256MB	(1) 16M x 64	(1) 16M x 64
Note: Board accepts SDRAM memory.		

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

CPU SPEED SELECTION (CX 6X86)								
CPU speed	Clock speed	Multiplier	U4/1	U4/2	U4/3	U4/4	U4/5	U4/6
150MHz	60MHz	2x	On	Off	Off	On	On	On
166MHz	66MHz	2x	On	Off	Off	Off	On	On
200MHz	75MHz	2x	On	Off	Off	On	On	Off

CPU SPEED SELECTION (IBM 6X86)								
CPU speed	Clock speed	Multiplier	U4/1	U4/2	U4/3	U4/4	U4/5	U4/6
150MHz	60MHz	2x	On	Off	Off	On	On	On
166MHz	66MHz	2x	On	Off	Off	Off	On	On
200MHz	75MHz	2x	On	Off	Off	On	On	Off

CPU SPEED SELECTION (CX 6X86MX)								
CPU speed	Clock speed	Multiplier	U4/1	U4/2	U4/3	U4/4	U4/5	U4/6
166MHz	60MHz	2.5x	On	On	Off	Off	On	On
200MHz	66MHz	2.5x	On	On	Off	Off	On	On
200MHz	75MHz	2x	On	Off	Off	Off	On	Off

233MHz	66MHz	3x	Off	On	Off	On	On	On
233MHz	75MHz	2.5x	On	On	Off	On	On	Off

CPU SPEED SELECTION (IDT C6)

CPU speed	Clock speed	Multiplier	U4/1	U4/2	U4/3	U4/4	U4/5	U4/6
150MHz	75MHz	2x	On	Off	Off	On	On	Off
180MHz	60MHz	3x	Off	On	Off	On	On	On

CPU SPEED SELECTION (AM K5)

CPU speed	Clock speed	Multiplier	U4/1	U4/2	U4/3	U4/4	U4/5	U4/6
90MHz	60MHz	1.5x	Off	Off	Off	On	On	On
100MHz	66MHz	1.5x	Off	Off	Off	Off	On	On
133MHz	66MHz	1.5x	Off	Off	Off	Off	On	On
166MHz	66MHz	2.5x	On	On	Off	Off	On	On

CPU SPEED SELECTION (AM K6)

CPU speed	Clock speed	Multiplier	U4/1	U4/2	U4/3	U4/4	U4/5	U4/6
166MHz	66MHz	2.5x	On	On	Off	Off	On	On
200MHz	66MHz	3x	Off	On	Off	Off	On	On
233MHz	66MHz	3.5x	Off	Off	Off	Off	On	On
266MHz	66MHz	4x	On	Off	On	Off	On	On
300MHz	66MHz	4.5x	On	On	On	Off	On	Off

CPU SPEED SELECTION (INTEL)

CPU speed	Clock speed	Multiplier	U4/1	U4/2	U4/3	U4/4	U4/5	U4/6
90MHz	60MHz	1.5x	Off	Off	Off	On	On	On

100MHz	66MHz	1.5x	Off	Off	Off	Off	On	On
120MHz	60MHz	2x	On	Off	Off	On	On	On
133MHz	66MHz	2x	On	Off	Off	Off	On	On
150MHz	60MHz	2.5x	On	On	Off	On	On	On
166MHz	66MHz	2.5x	On	On	Off	Off	On	On
200MHz	66MHz	3x	Off	On	Off	Off	On	On

CPU SPEED SELECTION (INTEL MMX)

CPU speed	Clock speed	Multiplier	U4/1	U4/2	U4/3	U4/4	U4/5	U4/6
166MHz	66MHz	2.5x	On	On	Off	Off	On	On
200MHz	66MHz	3x	Off	On	Off	Off	On	On
233MHz	66MHz	3.5x	Off	Off	Off	Off	On	On

CPU VOLTAGE SELECTION

Voltage	JP10
2.2v	Pins 1 & 2 closed
2.8v	Pins 3 & 4 closed
2.9v	Pins 5 & 6 closed
3.2v	Pins 7 & 8 closed
3.3v	Pins 9 & 10 closed
3.45v	Pins 11 & 12 closed
3.52v	Pins 13 & 14 closed