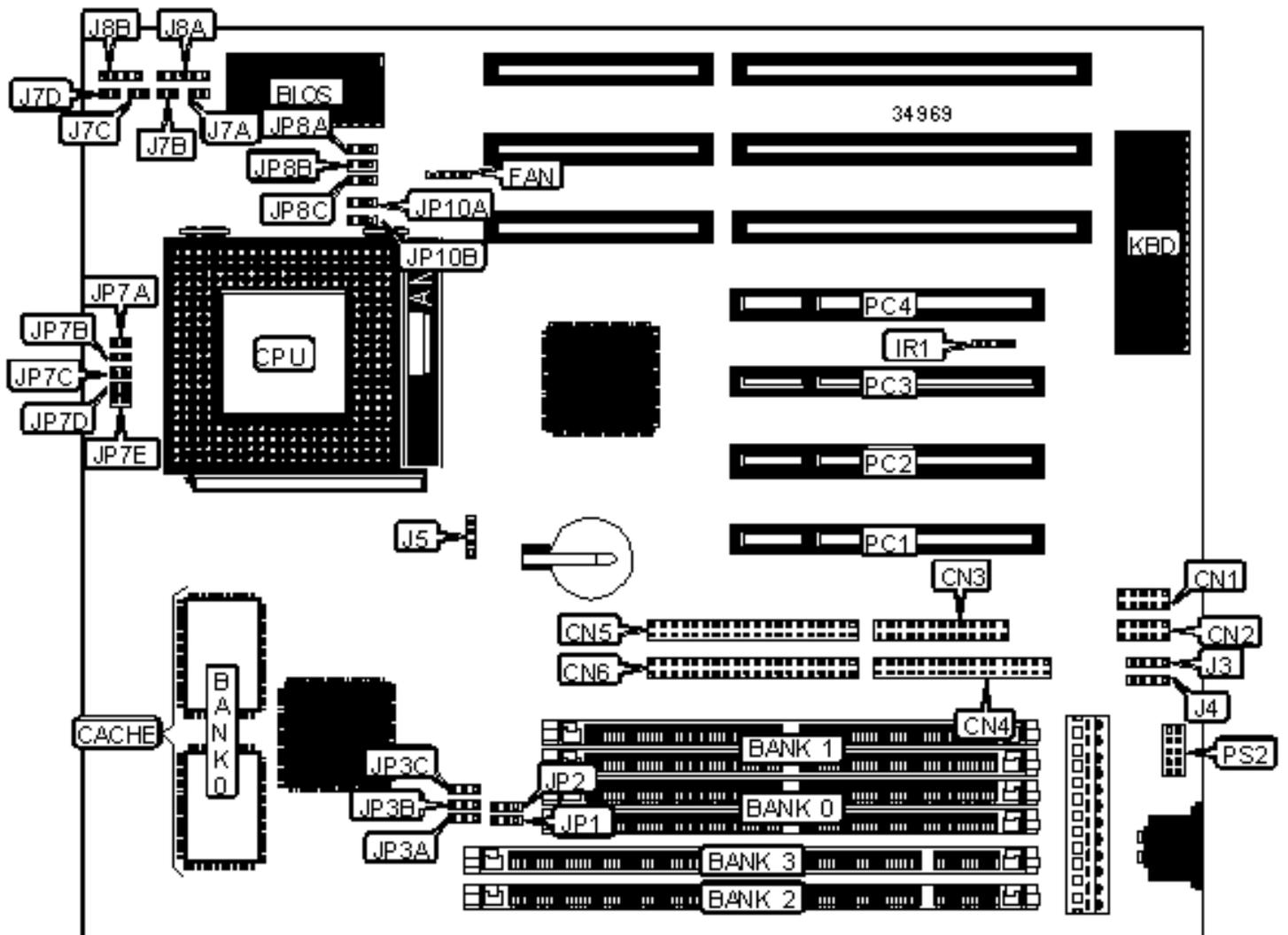


PC WAVE, INC.

M550

Configuration



CONNECTIONS

Purpose	Location	Purpose	Location
Serial port 2	CN1	External battery	J5
Serial port 1	CN2	Reset switch	J7A
Parallel port	CN3	IDE interface LED	J7B
Floppy drive interface	CN4	Green PC LED	J7C
IDE interface 2	CN5	Green PC connector	J7D
IDE interface 1	CN6	Power LED & keylock	J8A
Chassis fan power	FAN	Speaker	J8B
IR connector	IR1	32-bit PCI slots	PC1 – PC4
USB connector 1	J3	PS/2 mouse interface	PS2
USB connector 2	J4		

USER CONFIGURABLE SETTINGS

Function	Label	Position
Battery type select internal	J5	Pins 2 & 3 closed
CMOS memory clear	J5	Pins 3 & 4 closed
» Factory configured – do not alter	JP8C	Unidentified

DIMM/ SIMM CONFIGURATION

Size	Bank 0	Bank 1	Bank 2	Bank 3
8MB	(2) 1M x 36	None	None	None
8MB	None	None	(1) 1M x 64	None
16MB	(2) 2M x 36	None	None	None
16MB	None	None	(1) 2M x 64	None
16MB	(2) 1M x 36	(2) 1M x 36	None	None

16MB	(2) 1M x 36	None	None	(1) 1M x 64
16MB	None	None	(1) 1M x 64	(1) 1M x 64
24MB	None	(2) 2M x 36	(1) 1M x 64	None
32MB	(2) 4M x 36	None	None	None
32MB	None	None	(1) 4M x 64	None
32MB	(2) 2M x 36	None	None	(1) 2M x 64
32MB	None	(2) 2M x 36	(1) 2M x 64	None
40MB	(2) 4M x 36	(2) 1M x 36	None	None
40MB	(2) 4M x 36	None	None	(1) 1M x 64
48MB	(2) 2M x 36	None	None	(1) 4M x 64
48MB	(2) 4M x 36	(2) 2M x 36	None	None
48MB	(2) 4M x 36	None	None	(1) 2M x 64

DIMM/SIMM CONFIGURATION (CON'T)

Size	Bank 0	Bank 1	Bank 2	Bank 3
64MB	(2) 8M x 36	None	None	None
64MB	None	None	None	(1) 8M x 64
64MB	(2) 4M x 36	(2) 4M x 36	None	None
64MB	(2) 4M x 36	None	None	(1) 4M x 64
72MB	(2) 8M x 36	(2) 1M x 36	None	None
72MB	(2) 8M x 36	None	None	(1) 1M x 64
80MB	(2) 2M x 36	None	None	(1) 8M x 64
80MB	(2) 8M x 36	(2) 2M x 36	None	None
80MB	(2) 8M x 36	None	None	(1) 2M x 64
96MB	(2) 4M x 36	None	None	(1) 8M x 64
96MB	(2) 8M x 36	(2) 4M x 36	None	None

96MB	(2) 8M x 36	None	None	(1) 4M x 64
128MB	(2) 8M x 36	(2) 8M x 36	None	None
128MB	(2) 8M x 36	None	None	(1) 8M x 64
192MB	None	(2) 8M x 36	(1) 8M x 64	(1) 8M x 64
256MB	(2) 8M x 36	(2) 8M x 36	(1) 8M x 64	(1) 8M x 64
Note: Board accepts EDO & SDRAM memory. Banks 0 & 1, 2 & 3 are interchangeable.				

DIMM VOLTAGE CONFIGURATION		
Voltage	JP1	JP2
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	JP8A	JP8B
120MHz	50MHz	2x	2 & 3	2 & 3	1 & 2	2 & 3	1 & 2
133MHz	55MHz	2x	2 & 3	1 & 2	2 & 3	2 & 3	1 & 2
150MHz	60MHz	2x	2 & 3	1 & 2	1 & 2	2 & 3	1 & 2
166MHz	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	JP8A	JP8B

120MHz	50MHz	2x	2 & 3	2 & 3	1 & 2	2 & 3	1 & 2
133MHz	55MHz	2x	2 & 3	1 & 2	2 & 3	2 & 3	1 & 2
150MHz	60MHz	2x	2 & 3	1 & 2	1 & 2	2 & 3	1 & 2
166MHz	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	JP8A	JP8B
150MHz	60MHz	2x	2 & 3	1 & 2	1 & 2	2 & 3	1 & 2
166MHz	66MHz	2x	1 & 2	2 & 3	1 & 2	2 & 3	1 & 2
200MHz	75MHz	2x	1 & 2	2 & 3	2 & 3	2 & 3	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (IBM 6X86L)

CPU speed	Clock speed	Multiplier	JP3A	JP3B	JP3C	JP8A	JP8B
150MHz	60MHz	2x	2 & 3	1 & 2	1 & 2	2 & 3	1 & 2
166MHz	66MHz	2x	1 & 2	2 & 3	1 & 2	2 & 3	1 & 2
200MHz	75MHz	2x	1 & 2	2 & 3	2 & 3	2 & 3	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (CX 6X86MX)

CPU speed	Clock speed	Multiplier	JP3A	JP3B	JP3C	JP8A	JP8B
166MHz	66MHz	2.5x	1 & 2	2 & 3	1 & 2	2 & 3	2 & 3
200MHz	66MHz	3x	1 & 2	2 & 3	1 & 2	1 & 2	2 & 3
233MHz	66MHz	3.5x	1 & 2	2 & 3	1 & 2	1 & 2	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (IBM 6X86MX)

CPU speed	Clock speed	Multiplier	JP3A	JP3B	JP3C	JP8A	JP8B
166MHz	66MHz	2.5x	1 & 2	2 & 3	1 & 2	2 & 3	2 & 3
200MHz	66MHz	3x	1 & 2	2 & 3	1 & 2	1 & 2	2 & 3
233MHz	66MHz	3.5x	1 & 2	2 & 3	1 & 2	1 & 2	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K5)

CPU speed	Clock speed	Multiplier	JP3A	JP3B	JP3C	JP8A	JP8B
75MHz	50MHz	1.5x	2 & 3	2 & 3	1 & 2	1 & 2	1 & 2
90MHz	60MHz	1.5x	2 & 3	1 & 2	1 & 2	1 & 2	1 & 2
100MHz	66MHz	1.5x	1 & 2	2 & 3	1 & 2	1 & 2	1 & 2
120MHz	60MHz	2x	2 & 3	1 & 2	1 & 2	2 & 3	1 & 2
133MHz	66MHz	2x	1 & 2	2 & 3	1 & 2	2 & 3	1 & 2
150MHz	60MHz	2.5x	2 & 3	1 & 2	1 & 2	2 & 3	2 & 3
166MHz	66MHz	2.5x	1 & 2	2 & 3	1 & 2	2 & 3	2 & 3
180MHz	60MHz	3x	2 & 3	1 & 2	1 & 2	1 & 2	2 & 3
200MHz	66MHz	3x	1 & 2	2 & 3	1 & 2	1 & 2	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K6)

CPU speed	Clock speed	Multiplier	JP3A	JP3B	JP3C	JP8A	JP8B
166MHz	66MHz	2.5x	1 & 2	2 & 3	1 & 2	2 & 3	2 & 3
200MHz	66MHz	3x	1 & 2	2 & 3	1 & 2	1 & 2	2 & 3
233MHz	66MHz	3.5x	1 & 2	2 & 3	1 & 2	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	JP8A	JP8B
75MHz	50MHz	1.5x	2 & 3	2 & 3	1 & 2	1 & 2	1 & 2
90MHz	60MHz	1.5x	2 & 3	1 & 2	1 & 2	1 & 2	1 & 2
100MHz	66MHz	1.5x	1 & 2	2 & 3	1 & 2	1 & 2	1 & 2
120MHz	60MHz	2x	2 & 3	1 & 2	1 & 2	2 & 3	1 & 2
133MHz	66MHz	2x	1 & 2	2 & 3	1 & 2	2 & 3	1 & 2
150MHz	60MHz	2.5x	2 & 3	1 & 2	1 & 2	2 & 3	2 & 3
166MHz	66MHz	2.5x	1 & 2	2 & 3	1 & 2	2 & 3	2 & 3
180MHz	60MHz	3x	2 & 3	1 & 2	1 & 2	1 & 2	2 & 3
200MHz	66MHz	3x	1 & 2	2 & 3	1 & 2	1 & 2	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL MMX)

CPU speed	Clock speed	Multiplier	JP3A	JP3B	JP3C	JP8A	JP8B
166MHz	66MHz	2.5x	1 & 2	2 & 3	1 & 2	2 & 3	2 & 3
200MHz	66MHz	3x	1 & 2	2 & 3	1 & 2	1 & 2	2 & 3
233MHz	66MHz	3.5x	1 & 2	2 & 3	1 & 2	1 & 2	1 & 2

Note: Pins designated should be in the closed position.

CPU TYPE SELECTION

Type	JP10A	JP10B
AM K5	Pins 1 & 2 closed	Pins 1 & 2 closed
AM K6	Pins 2 & 3 closed	Pins 2 & 3 closed

CX 6X86	Pins 1 & 2 closed	Pins 1 & 2 closed
CX 6X86L	Pins 2 & 3 closed	Pins 2 & 3 closed
CX 6X86MX	Pins 2 & 3 closed	Pins 2 & 3 closed
IBM 6X86	Pins 1 & 2 closed	Pins 1 & 2 closed
IBM 6X86L	Pins 2 & 3 closed	Pins 2 & 3 closed
IBM 6X86MX	Pins 2 & 3 closed	Pins 2 & 3 closed
P54C	Pins 1 & 2 closed	Pins 1 & 2 closed
P55C	Pins 2 & 3 closed	Pins 2 & 3 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