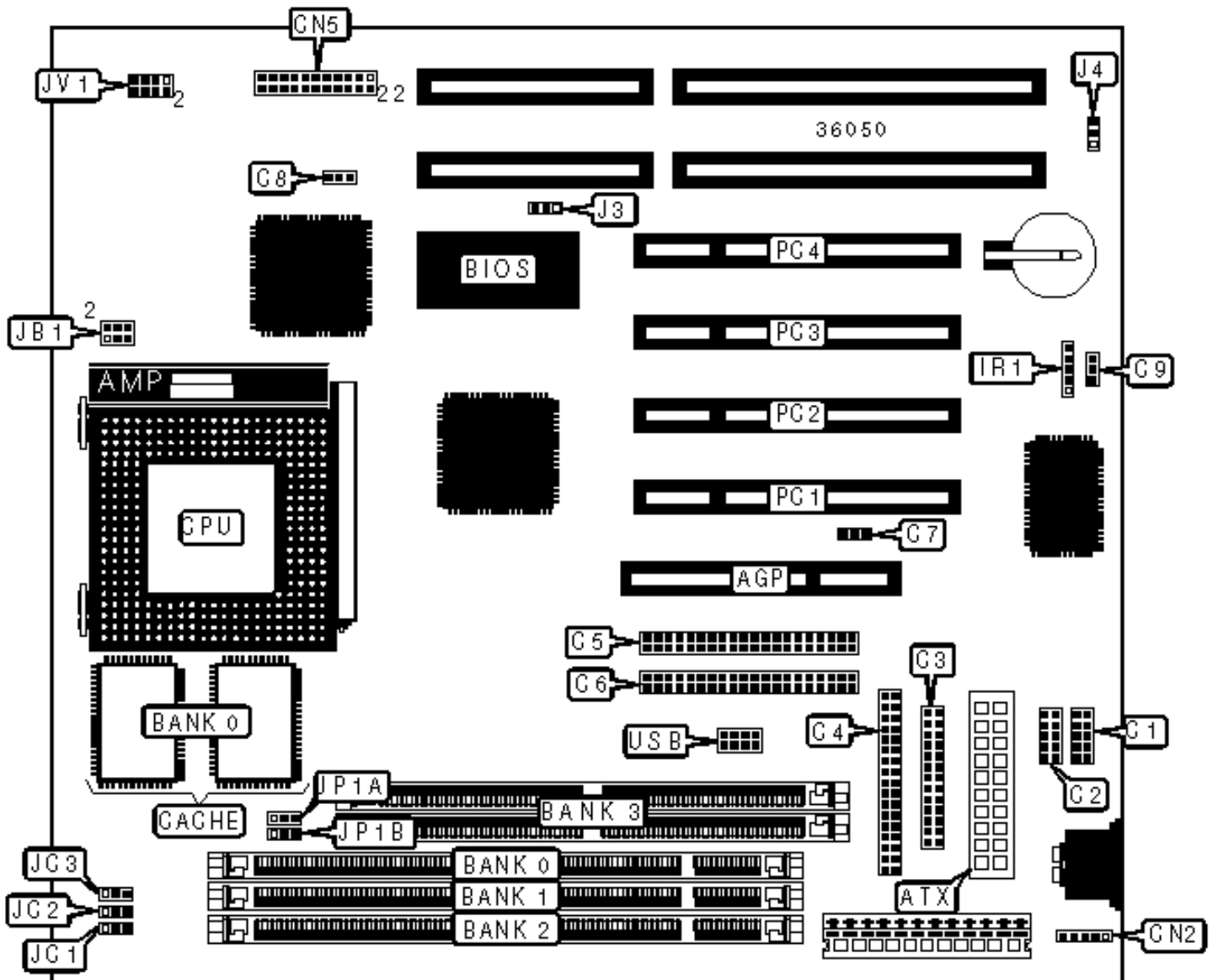


SUPERPOWER COMPUTER CO., LTD.

SP-V586B

Configuration



CONNECTIONS

Purpose	Location	Purpose	Location
AGP slot	AGP	Power LED & keylock	CN5/pins 1 - 5
ATX power connector	ATX	IDE interface LED	CN5/pins 6 & 17
Serial port 1	C1	Green PC connector	CN5/pins 7 & 16
Serial port 2	C2	Reset switch	CN5/pins 8 & 15
Parallel port	C3	Turbo LED	CN5/pins 9 & 14
Floppy drive interface	C4	Green PC LED	CN5/pins 10 & 13
IDE interface 1	C5	Soft off power supply	CN5/pins 11 & 12
IDE interface 2	C6	Speaker	CN5/pins 19 - 22
AGP fan power	C7	IR connector	IR1
CPU fan power	C8	32-bit PCI slots	PC1 - PC4
Wake on LAN connector	C9	USB connector	USB
PS/2 mouse interface	CN2		

USER CONFIGURABLE SETTINGS

Function	Label	Position
Flash BIOS voltage select 12v	J3	Pins 1 & 2 closed
Flash BIOS voltage select 5v	J3	Pins 2 & 3 closed
» CMOS memory normal operation	J4	Pins 1 & 2 closed
CMOS memory clear	J4	Pins 2 & 3 closed

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	Bank 3
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
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

DIMM CONFIGURATION			
Size	Bank 1	Bank 2	Bank 3
48MB	(1) 4M x 64	(1) 1M x 64	(1) 1M x 64
48MB	(1) 4M x 64	(1) 2M x 64	None
48MB	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64
56MB	(1) 4M x 64	(1) 2M 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
72MB	(1) 4M x 64	(1) 4M x 64	(1) 1M x 64
80MB	(1) 8M x 64	(1) 1M x 64	(1) 1M x 64
80MB	(1) 8M x 64	(1) 2M 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) 8M x 64	(1) 4M x 64	None
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
176MB	(1) 16M x 64	(1) 4M x 64	(1) 2M 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
200MB	(1) 16M x 64	(1) 8M x 64	(1) 1M x 64
208MB	(1) 16M x 64	(1) 8M x 64	(1) 2M 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
Note: Board accepts SDRAM memory.			

DIMM VOLTAGE CONFIGURATION		
Voltage	JP1A	JP1B
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	J1/ pins 1 & 2	J2/ pins 3 & 4	J3/ pins 5 & 6	JC1	JC2	JC3
150MHz	60MHz	2x	Closed	Open	Open	1 & 2	1 & 2	2 & 3
166MHz	66MHz	2x	Closed	Open	Open	1 & 2	1 & 2	1 & 2
Note: Pins designated should be in the closed position.								

CPU SPEED SELECTION (CX 6X86L)								
CPU speed	Clock speed	Multiplier	J1/ pins 1 & 2	J2/ pins 3 & 4	J3/ pins 5 & 6	JC1	JC2	JC3
150MHz	60MHz	2x	Closed	Open	Open	1 & 2	1 & 2	2 & 3
166MHz	66MHz	2x	Closed	Open	Open	1 & 2	1 & 2	1 & 2

200MHz	75MHz	2x	Closed	Open	Open	1 & 2	2 & 3	1 & 2
Note: Pins designated should be in the closed position.								

CPU SPEED SELECTION (CX 6X86MX)								
CPU speed	Clock speed	Multiplier	B1/ pins 1 & 2	B2/ pins 3 & 4	B4/ pins 5 & 6	JC1	JC2	JC3
166MHz	66MHz	2x	Closed	Open	Open	1 & 2	1 & 2	1 & 2
200MHz	66MHz	2.5x	Closed	Closed	Open	1 & 2	1 & 2	1 & 2
200MHz	75MHz	2x	Closed	Open	Open	1 & 2	2 & 3	1 & 2
233MHz	75MHz	2.5x	Closed	Closed	Open	1 & 2	2 & 3	1 & 2
300MHz	75MHz	3x	Open	Closed	Open	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	B1/ pins 1 & 2	B2/ pins 3 & 4	B4/ pins 5 & 6	JC1	JC2	JC3
133MHz	66MHz	2x	Closed	Open	Open	1 & 2	1 & 2	1 & 2
150MHz	60MHz	2.5x	Closed	Closed	Open	1 & 2	1 & 2	2 & 3
166MHz	66MHz	2.5x	Closed	Closed	Open	1 & 2	1 & 2	1 & 2
Note: Pins designated should be in the closed position.								

CPU SPEED SELECTION (AM K6)								
CPU speed	Clock speed	Multiplier	B1/ pins 1 & 2	B2/ pins 3 & 4	B4/ pins 5 & 6	JC1	JC2	JC3
166MHz	66MHz	2.5x	Closed	Closed	Open	1 & 2	1 & 2	1 & 2
200MHz	66MHz	3x	Open	Closed	Open	1 & 2	1 & 2	1 & 2
233MHz	66MHz	3.5x	Open	Open	Open	1 & 2	1 & 2	1 & 2
266MHz	66MHz	4x	Closed	Open	Closed	1 & 2	1 & 2	1 & 2
300MHz	66MHz	4.5x	Closed	Closed	Closed	1 & 2	1 & 2	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL)

CPU speed	Clock speed	Multiplier	JV1/ pins 1 & 2	JV2/ pins 3 & 4	JV4/ pins 5 & 6	JC1	JC2	JC3
75MHz	50MHz	1.5x	Open	Open	Open	2 & 3	2 & 3	2 & 3
90MHz	60MHz	1.5x	Open	Open	Open	1 & 2	1 & 2	2 & 3
100MHz	66MHz	1.5x	Open	Open	Open	1 & 2	1 & 2	1 & 2
120MHz	60MHz	2x	Closed	Open	Open	1 & 2	1 & 2	2 & 3
133MHz	66MHz	2x	Closed	Open	Open	1 & 2	1 & 2	1 & 2
150MHz	60MHz	2.5x	Closed	Closed	Open	1 & 2	1 & 2	2 & 3
166MHz	66MHz	2.5x	Closed	Closed	Open	1 & 2	1 & 2	1 & 2
200MHz	66MHz	3x	Open	Closed	Open	1 & 2	1 & 2	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL MMX)

CPU speed	Clock speed	Multiplier	JV1/ pins 1 & 2	JV2/ pins 3 & 4	JV4/ pins 5 & 6	JC1	JC2	JC3
166MHz	66MHz	2.5x	Closed	Closed	Open	1 & 2	1 & 2	1 & 2
200MHz	66MHz	3x	Open	Closed	Open	1 & 2	1 & 2	1 & 2
233MHz	66MHz	3.5x	Open	Open	Open	1 & 2	1 & 2	1 & 2

Note: Pins designated should be in the closed position.

CPU VOLTAGE SELECTION (DUAL)

Voltage	JV1/pins 1 & 2	JV1/pins 3 & 4	JV1/pins 5 & 6	JV1/pins 7 & 8
2.0v	Open	Open	Open	Open
2.1v	Closed	Open	Open	Open
2.2v	Open	Open	Closed	Open

2.3v	Closed	Closed	Open	Open
2.4v	Open	Open	Closed	Open
2.5v	Closed	Open	Closed	Open
2.6v	Open	Closed	Closed	Open
2.7v	Closed	Closed	Closed	Open
2.8v	Open	Open	Open	Closed
2.9v	Closed	Open	Open	Closed
3.0v	Open	Closed	Closed	Open
3.1v	Closed	Closed	Open	Closed
3.2v	Open	Open	Closed	Closed
3.3v	Open	Closed	Closed	Closed
3.5v	Closed	Closed	Closed	Closed