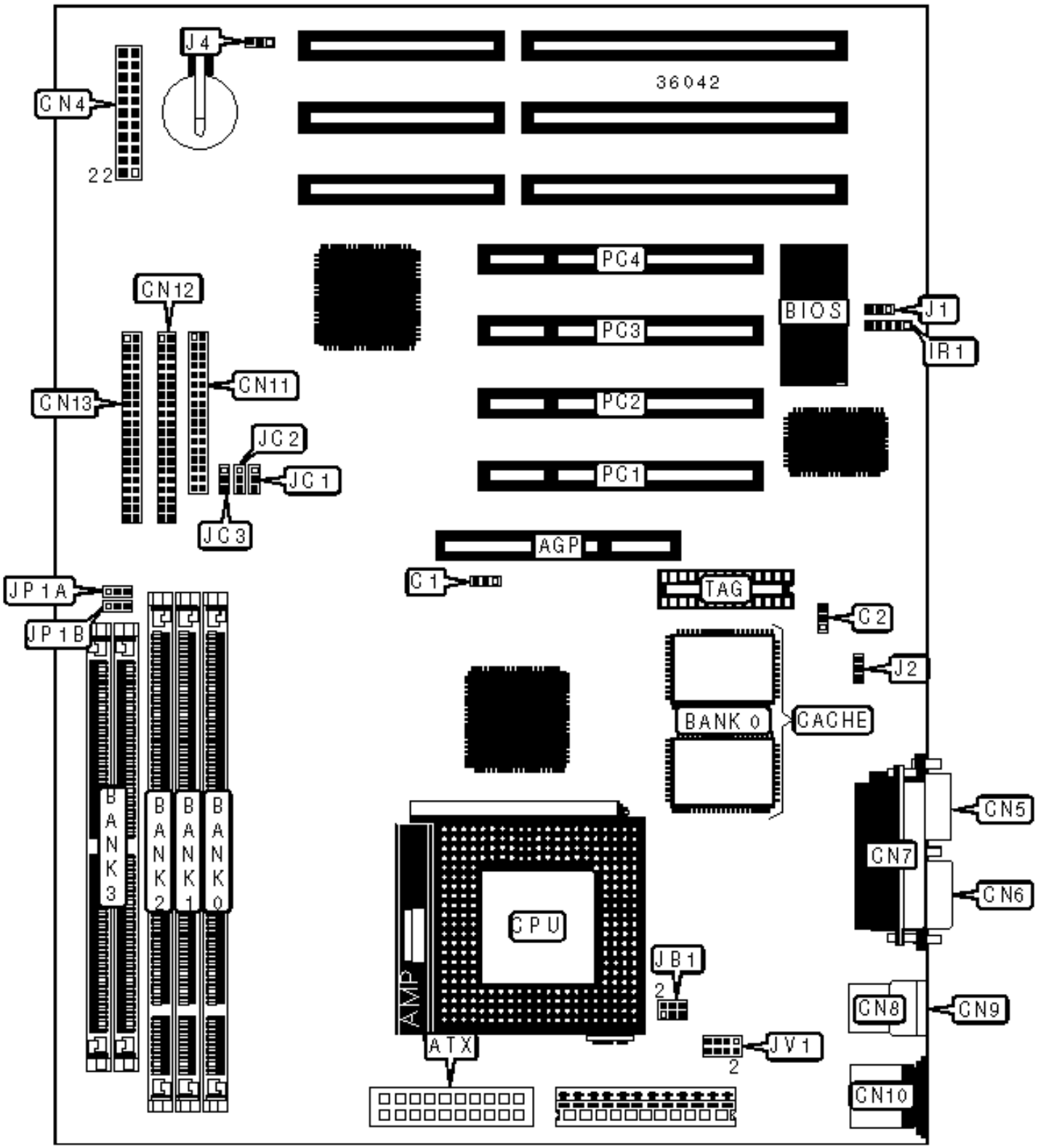
SUPERPOWER COMPUTER CO., LTD.

SP-V586A

Configuration



CONNECTIONS

Purpose	Location	Purpose	Location
AGP slot	AGP	Serial port 2	CN5
ATX power connector	ATX	Serial port 1	CN6
Chassis fan power	C1	Parallel port	CN7
Chassis fan power	C2	USB connector 1	CN8
Power LED & keylock	CN4/pins 1 - 5	USB connector 2	CN9
IDE interface LED	CN4/pins 6 & 17	PS/2 mouse port	CN10
Green PC connector	CN4/pins 7 & 16	Floppy drive interface	CN11
Reset switch	CN4/pins 8 & 15	IDE interface 2	CN12
Turbo LED	CN4/pins 9 & 14	IDE interface 1	CN13
Green PC LED	CN4/pins 10 & 13	IR connector	IR1
Soft off power supply	CN4/pins 11 & 12	Wake on LAN connector	J2
Speaker	CN4/pins 19 - 22	32-bit PCI slots	PC1 - PC4

USER CONFIGURABLE SETTINGS

Function		Label	Position
	Flash BIOS voltage select 12v	J1	Pins 2 & 3 closed
	Flash BIOS voltage select 5v	J1	Pins 1 & 2 closed
»	CMOS memory normal operation	J4	Pins 1 & 2 closed
	CMOS memory clear	J4	Pins 2 & 3 closed

SIMM CONFIGURATION

Size	Bank 3
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 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
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 (CON'T)			
Size	Bank 0	Bank 1	Bank 2
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
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
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 1 & 2 closed	Pins 1 & 2 closed
5v	Pins 2 & 3 closed	Pins 2 & 3 closed

CACHE CONFIGURATION

Size	Bank 0	TAG
256KB	(2) 32K x 32	Unidentified
512KB	(2) 64K x 32	Unidentified

CPU SPEED SELECTION (CX 6X86)

CPU speed	Clock speed	Multiplier	JB1/ pins 1 & 2	JB2/ pins 3 & 4	JB4/ pins 5 & 6	JC1	JC2	JC3
150MHz	60MHz	2x	Closed	Open	Open	2 & 3	1 & 2	1 & 2
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	JB1/ pins 1 & 2	JB2/ pins 3 & 4	JB4/ pins 5 & 6	JC1	JC2	JC3
150MHz	60MHz	2x	Closed	Open	Open	2 & 3	1 & 2	1 & 2

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	JB1/ pins 1 & 2	JB2/ pins 3 & 4	JB4/ 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	JB1/ pins 1 & 2	JB2/ pins 3 & 4	JB4/ 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	2 & 3	1 & 2	1 & 2
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	JB1/ pins 1 & 2	JB2/ pins 3 & 4	JB4/ 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	JB1/ pins 1 & 2	JB2/ pins 3 & 4	JB4/ 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	2 & 3	1 & 2	1 & 2
100MHz	66MHz	1.5x	Open	Open	Open	1 & 2	1 & 2	1 & 2
120MHz	60MHz	2x	Closed	Open	Open	2 & 3	1 & 2	1 & 2
133MHz	66MHz	2x	Closed	Open	Open	1 & 2	1 & 2	1 & 2
150MHz	60MHz	2.5x	Closed	Closed	Open	2 & 3	1 & 2	1 & 2
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	JB1/ pins 1 & 2	JB2/ pins 3 & 4	JB4/ 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

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