SUPERPOWER COMPUTER CO., LTD.

SP-A586B

Configuration
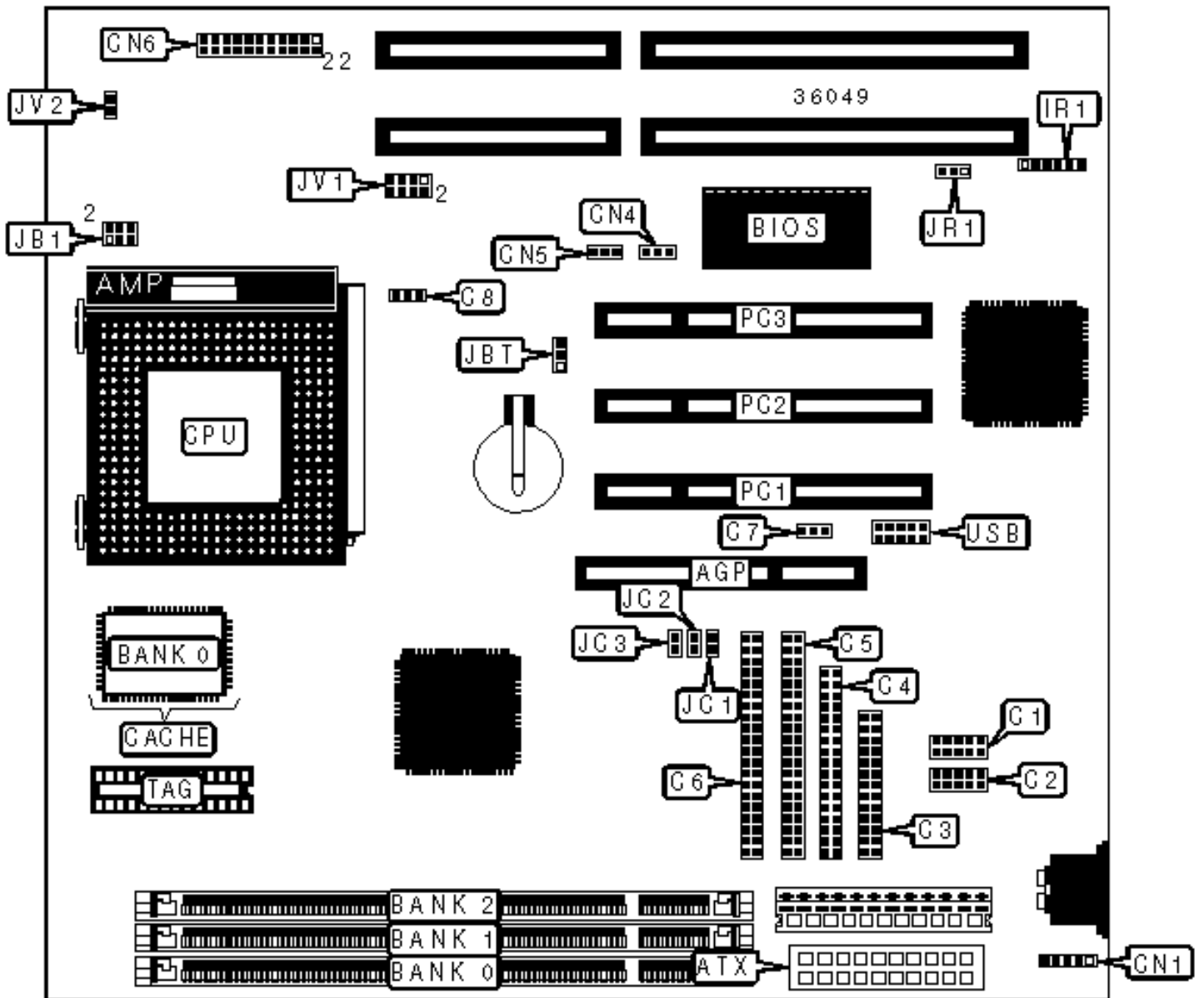
CONNECTIONS

Purpose	Location	Purpose	Location
AGP slot	AGP	Wake on LAN connector	CN5
ATX power connector	ATX	Power LED & keylock	CN6/pins 1 – 5
Serial port 1	C1	IDE interface LED	CN6/pins 6 & 17
Serial port 2	C2	Green PC connector	CN6/pins 7 & 16
Parallel port	C3	Reset switch	CN6/pins 8 & 15
Floppy drive interface	C4	Turbo LED	CN6/pins 9 & 14
IDE interface 2	C5	Green PC LED	CN6/pins 10 & 13
IDE interface 1	C6	Soft off power supply	CN6/pins 11 & 12
AGP fan power	C7	Speaker	CN6/pins 19 - 22
Chassis fan power	C8	IR connector	IR1
PS/2 mouse interface	CN1	32-bit PCI slots	PC1 – PC3
Wake on LAN connector	CN4	USB connector	USB

USER CONFIGURABLE SETTINGS

	Function	Label	Position
»	CMOS memory normal operation	JBT	Pins 1 & 2 closed
	CMOS memory clear	JBT	Pins 2 & 3 closed
	Flash BIOS voltage select 12v	JR1	Pins 1 & 2 closed
	Flash BIOS voltage select 5v	JR1	Pins 2 & 3 closed

DIMM CONFIGURATION

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

Size	Bank 0	Bank 1	Bank 2
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
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

DIMM CONFIGURATION (CON'T)			
Size	Bank 0	Bank 1	Bank 2
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
112MB	(1) 8M x 64	(1) 4M x 64	(1) 2M 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
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
224MB	(1) 16M x 64	(1) 8M x 64	(1) 4M x 64
256MB	(1) 32M x 64	None	None
256MB	(1) 16M x 64	(1) 8M x 64	(1) 8M x 64
264MB	(1) 32M x 64	(1) 1M x 64	None
272MB	(1) 32M x 64	(1) 1M x 64	(1) 1M x 64
272MB	(1) 32M x 64	(1) 2M x 64	None
288MB	(1) 32M x 64	(1) 2M x 64	(1) 2M x 64
288MB	(1) 32M x 64	(1) 4M x 64	None
320MB	(1) 32M x 64	(1) 4M x 64	(1) 4M x 64
320MB	(1) 32M x 64	(1) 8M x 64	None

384MB	(1) 32M x 64	(1) 8M x 64	(1) 8M x 64
384MB	(1) 32M x 64	(1) 16M x 64	None
384MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64
512MB	(1) 32M x 64	(1) 16M x 64	(1) 16M x 64
512MB	(1) 32M x 64	(1) 32M x 64	None
768MB	(1) 32M x 64	(1) 32M x 64	(1) 32M x 64
Note: Board accepts EDO & SDRAM memory.			

CACHE CONFIGURATION

Size	Bank 0	TAG
512KB	(1) 64K x 64	Unidentified

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	Closed	Closed	Closed
166MHz	66MHz	2x	Closed	Open	Open	Open	Closed	Closed
200MHz	75MHz	2x	Closed	Open	Open	Closed	Closed	Open

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	Open	Closed	Closed
200MHz	66MHz	2.5x	Closed	Closed	Open	Open	Closed	Closed
200MHz	75MHz	2x	Closed	Open	Open	Closed	Closed	Open
233MHz	75MHz	2.5x	Closed	Closed	Open	Closed	Closed	Open
300MHz	75MHz	3x	Open	Closed	Open	Closed	Closed	Open

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	Open	Closed	Closed
200MHz	66MHz	3x	Open	Closed	Open	Open	Closed	Closed
233MHz	66MHz	3.5x	Open	Open	Open	Open	Closed	Closed
266MHz	66MHz	4x	Closed	Open	Closed	Open	Closed	Closed
300MHz	66MHz	4.5x	Closed	Closed	Closed	Open	Closed	Closed

CPU SPEED SELECTION (AM K6-2)

CPU speed	Clock speed	Multiplier	JB1/ pins 1 & 2	JB2/ pins 3 & 4	JB4/ pins 5 & 6	JC1	JC2	JC3
250MHz	100MHz	2.5x	Closed	Closed	Open	Open	Open	Open
266MHz	66MHz	4x	Closed	Open	Closed	Open	Closed	Closed
300MHz	66MHz	4.5x	Open	Closed	Open	Open	Closed	Closed
333MHz	66MHz	5x	Open	Open	Open	Open	Closed	Closed
350MHz	100MHz	3x	Open	Open	Open	Open	Open	Open

CPU SPEED SELECTION (INTEL)

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	Open	Closed	Closed
150MHz	60MHz	2.5x	Closed	Closed	Open	Closed	Closed	Closed
166MHz	66MHz	2.5x	Closed	Closed	Open	Open	Closed	Closed
200MHz	66MHz	3x	Open	Closed	Open	Open	Closed	Closed

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	Open	Closed	Closed

200MHz	66MHz	3x	Open	Closed	Open	Open	Closed	Closed
233MHz	66MHz	3.5x	Open	Open	Open	Open	Closed	Closed
266MHz	66MHz	4x	Closed	Open	Closed	Open	Closed	Closed

CPU VOLTAGE SELECTION (SINGLE)

Voltage	JV2
3.3v	Closed
3.45v	Open

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