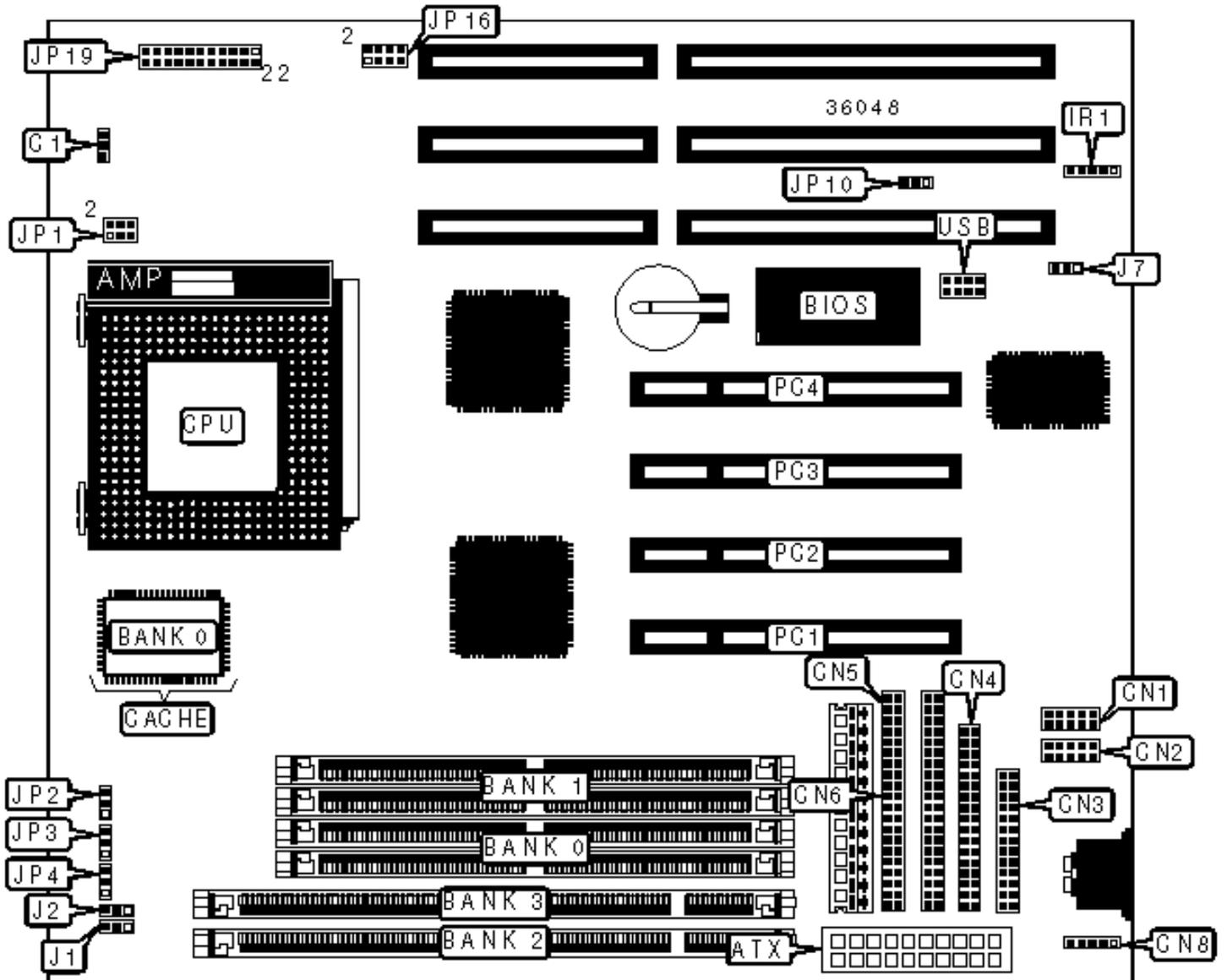


SUPERPOWER COMPUTER CO., LTD.

SP-586TB

Configuration



CONNECTIONS

Purpose	Location	Purpose	Location
ATX power connector	ATX	Power LED & keylock	JP19/pins 1 – 5
CPU fan power	C1	IDE interface LED	JP19/pins 6 & 17
Serial port 2	CN1	Green PC connector	JP19/pins 7 & 16
Serial port 1	CN2	Reset switch	JP19/pins 8 & 15
Parallel port	CN3	Turbo LED	JP19/pins 9 & 14
Floppy drive interface	CN4	Green PC LED	JP19/pins 10 & 13
IDE interface 1	CN5	Soft off power supply	JP19/pins 11 & 12
IDE interface 2	CN6	Speaker	JP19/pins 19 - 22
PS/2 mouse interface	CN8	32-bit PCI slots	PC1 – PC4
IR connector	IR1	USB connector	USB

USER CONFIGURABLE SETTINGS

Function	Label	Position
» CMOS memory normal operation	J7	Pins 1 & 2 closed
CMOS memory clear	J7	Pins 2 & 3 closed
Flash BIOS voltage select 12v	JP10	Pins 1 & 2 closed
Flash BIOS voltage select 5v	JP10	Pins 2 & 3 closed

SIMM CONFIGURATION

Size	Bank 0	Bank 1
8MB	(2) 1M x 36	None
16MB	(2) 2M x 36	None
16MB	(2) 1M x 36	(2) 1M x 36
24MB	(2) 2M x 36	(2) 1M x 36

32MB	(2) 4M x 36	None
32MB	(2) 2M x 36	(2) 2M x 36
40MB	(2) 4M x 36	(2) 1M x 36
48MB	(2) 4M x 36	(2) 2M x 36
64MB	(2) 8M x 36	None
64MB	(2) 4M x 36	(2) 4M x 36
72MB	(2) 8M x 36	(2) 1M x 36
80MB	(2) 8M x 36	(2) 2M x 36
96MB	(2) 8M x 36	(2) 4M x 36
128MB	(2) 8M x 36	(2) 8M x 36
128MB	(2) 16M x 36	None
136MB	(2) 16M x 36	(2) 1M x 36
144MB	(2) 16M x 36	(2) 2M x 36
160MB	(2) 16M x 36	(2) 4M x 36
192MB	(2) 16M x 36	(2) 8M x 36
256MB	(2) 16M x 36	(2) 16M x 36

Note: Board accepts EDO memory.

DIMM CONFIGURATION

Size	Bank 2	Bank 3
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.		

DIMM VOLTAGE CONFIGURATION

Voltage	J1	J2
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	(1) 64K x 64

CPU SPEED SELECTION (CX 6X86)

CPU speed	Clock speed	Multiplier	JP1/ pins 1 & 2	JP2/ pins 3 & 4	JP4/ pins 5 & 6	JP2	JP3	JP4
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	JP1/ pins 1 & 2	JP2/ pins 3 & 4	JP4/ pins 5 & 6	JP2	JP3	JP4
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	JP1/ pins 1 & 2	JP2/ pins 3 & 4	JP4/ pins 5 & 6	JP2	JP3	JP4
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	JP1/ pins 1 & 2	JP2/ pins 3 & 4	JP4/ pins 5 & 6	JP2	JP3	JP4
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	JP1/ pins 1 & 2	JP2/ pins 3 & 4	JP4/ pins 5 & 6	JP2	JP3	JP4
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 (AM K6-2)

CPU speed	Clock speed	Multiplier	JP1/ pins 1 & 2	JP2/ pins 3 & 4	JP4/ pins 5 & 6	JP2	JP3	JP4
266MHz	66MHz	4x	Closed	Open	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	JP1/ pins 1 & 2	JP2/ pins 3 & 4	JP4/ pins 5 & 6	JP2	JP3	JP4
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	JP1/ pins 1 & 2	JP2/ pins 3 & 4	JP4/ pins 5 & 6	JP2	JP3	JP4
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	JP16/pins 1 & 2	JP16/pins 3 & 4	JP16/pins 5 & 6	JP16/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

