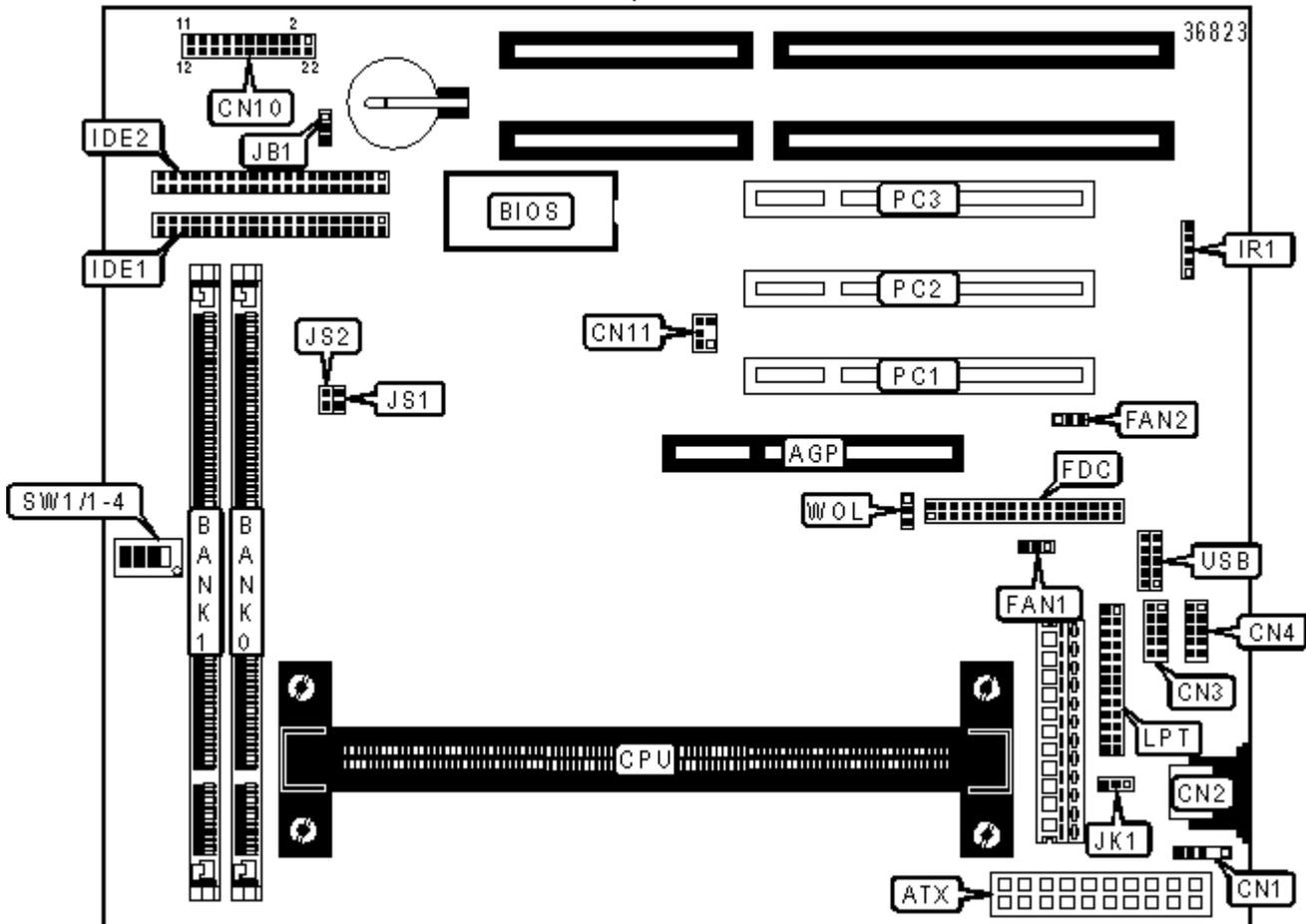


# SUPERPOWER COMPUTER CO., LTD

SP-6BB

<b>Device Type</b>	Mainboard
<b>Processor</b>	Celeron/Pentium II/Pentium III
<b>Processor Speed</b>	233/266/300/333/366/400/450/500MHz
<b>Chip Set</b>	Intel 440BX
<b>Maximum Onboard Memory</b>	512MB (EDO & SDRAM supported)
<b>Cache</b>	0/128/256/512KB (located on the CPU)
<b>BIOS</b>	Award
<b>Dimensions</b>	220mm x 240mm
<b>I/O Options</b>	32-bit PCI slots (3), floppy drive interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse interface, serial interfaces (2), IR connector, USB interface, ATX power connector, AGP slot



## CONNECTIONS

Purpose	Location	Purpose	Location
AGP slot	AGP	PC speaker	CN10/Pins 19 - 22
ATX power connector	ATX	SB-link connector	CN11
PS/2 mouse interface	CN1	CPU fan power	FAN1
PS/2 keyboard port	CN2	System fan power	FAN2
Serial interface 2	CN3	Floppy drive interface	FDC

Serial interface 1	CN4	IDE interface 1	IDE1
Power LED & keylock	CN10/Pins 1 - 5	IDE interface 2	IDE2
IDE interface LED	CN10/Pins 6 & 17	IR connector	IR1
Green PC connector	CN10/Pins 7 & 16	Parallel interface	LPT
Reset switch	CN10/Pins 8 & 15	32-bit PCI slots	PC1 - PC3
Turbo LED	CN10/Pins 9 & 14	USB interface	USB
Green PC LED	CN10/Pins 10 & 13	Wake-on-LAN connector	WOL
Power switch	CN10/Pins 11 & 12		

### USER CONFIGURABLE SETTINGS

Function		Label	Position
	CPU speed auto-detect setting enabled	JS1	Closed
	CPU speed auto-detect setting disabled	JS1	Open
»	CMOS memory normal operation	JB1	Pins 1 & 2 closed
	CMOS memory clear	JB1	Pins 2 & 3 closed
	Keyboard wake-up enabled	JK1	Pins 2 & 3 closed
	Keyboard wake-up disabled	JK1	Pins 1 & 2 closed

Note: When JS1 is set JS2 will be over ridden.

### DIMM CONFIGURATION

Size	Bank 0	Bank 1
16MB	(1) 2M x 64	None
24MB	(1) 2M x 64	(1) 1M x 64
32MB	(1) 2M x 64	(1) 2M x 64
32MB	(1) 4M x 64	None
40MB	(1) 4M x 64	(1) 1M x 64
48MB	(1) 4M x 64	(1) 2M x 64
64MB	(1) 4M x 64	(1) 4M x 64

64MB	(1) 8M x 64	None
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) 8M x 64	(1) 8M x 64
128MB	(1) 16M x 64	None
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
256MB	(1) 32M x 64	None
272MB	(1) 32M x 64	(1) 2M x 64
288MB	(1) 32M x 64	(1) 4M x 64
320MB	(1) 32M x 64	(1) 8M x 64
384MB	(1) 32M x 64	(1) 16M x 64
512MB	(1) 32M x 64	(1) 32M x 64

Note: Board supports EDO & SDRAM memory.

#### CACHE CONFIGURATION

Note: 512KB cache is located on the Pentium III CPUs. 256KB/512KB cache is located on the Pentium II CPUs. 128KB cache is located on the Celeron 300A and greater CPUs.

#### CPU SPEED SELECTION (CELERON)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	JS2
233MHz	66MHz	3.5x	On	Off	Off	On	Closed
266MHz	66MHz	4x	On	On	On	Off	Closed
300MHz	66MHz	4.5x	On	Off	On	Off	Closed
333MHz	66MHz	5x	On	On	Off	Off	Closed

366MHz	66MHz	5.5x	On	Off	Off	Off	Closed
400MHz	66MHz	6x	Off	On	On	On	Closed

#### CPU SPEED SELECTION (PENTIUM II)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	JS2
233MHz	66MHz	3.5x	On	Off	Off	On	Closed
266MHz	66MHz	4x	On	On	On	Off	Closed
300MHz	66MHz	4.5x	On	Off	On	Off	Closed
300MHz	100MHz	3x	On	On	Off	On	Open
333MHz	66MHz	5x	On	On	Off	Off	Closed
350MHz	100MHz	3.5x	On	Off	Off	On	Open
366MHz	66MHz	5.5x	On	Off	Off	Off	Closed
400MHz	100MHz	4x	On	On	On	Off	Open
450MHz	100MHz	4.5x	On	Off	On	Off	Open

#### CPU SPEED SELECTION (PENTIUM III)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	JS2
450MHz	100MHz	4.5x	On	Off	On	Off	Open
500MHz	100MHz	5x	On	On	Off	Off	Open