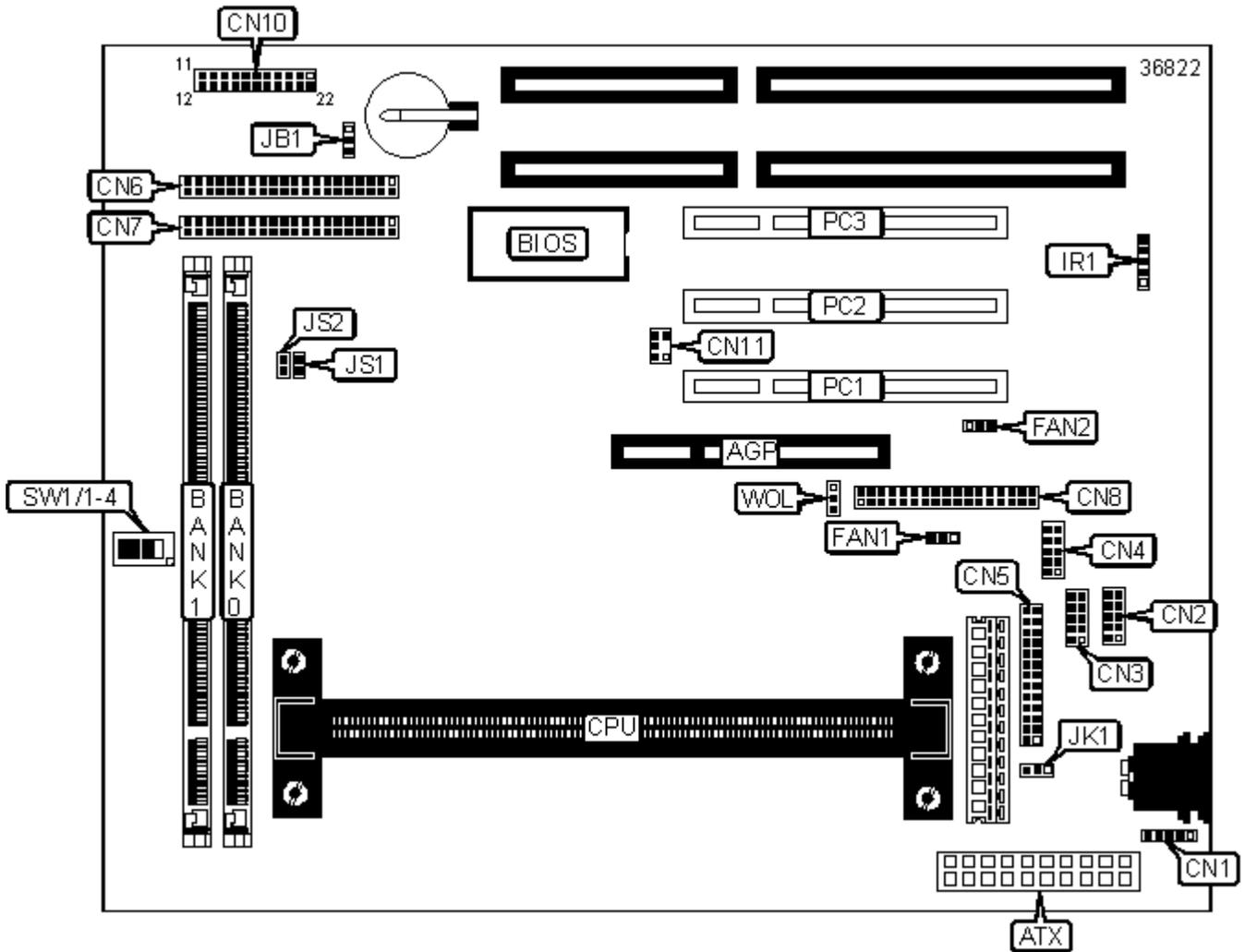


# SUPERPOWER COMPUTER CO., LTD.

SP-6BV

<b>Device Type</b>	Mainboard
<b>Processor</b>	Celeron/Pentium II
<b>Processor Speed</b>	200/233/266/300/333/350/366/400/450/500/550/600MHz
<b>Chip Set</b>	VIA
<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>	240mm x 220mm
<b>I/O Options</b>	32-bit PCI slots (3), floppy drive interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse port, PS/2 mouse interface, serial interfaces (2), IR connector, USB interface, ATX power connector, AGP slot, SB-link connector



## CONNECTIONS

Purpose	Location	Purpose	Location
AGP slot	AGP	Green PC switch	CN10/Pins 7 & 16
ATX power connector	ATX	Reset switch	CN10/Pins 8 & 15
PS/2 mouse interface	CN1	Turbo LED	CN10/Pins 9 & 14

Serial interface 1	CN2	Green PC LED	CN10/Pins 10 & 13
Serial interface 2	CN3	Power switch	CN10/Pins 11 & 12
USB interface	CN4	PC speaker	CN10/Pins 19 - 22
Parallel port	CN5	SB-link connector	CN11
IDE interface 2	CN6	CPU fan power	FAN1
IDE interface 1	CN7	System fan power	FAN2
Floppy drive interface	CN8	IR connector	IR1
Power LED & keylock	CN10/Pins 1 - 5	Wake-on-LAN connector	WOL
IDE interface LED	CN10/Pins 6 & 17	32-bit PCI slots	PC1 - PC3

### USER CONFIGURABLE SETTINGS

Function		Label	Position
»	CMOS memory normal operation	JB1	Pins 1 & 2 closed
	CMOS memory clear	JB1	Pins 2 & 3 closed
	Power-on keyboard enabled	JK1	Pins 2 & 3 closed
	Power-on keyboard disabled	JK1	Pins 1 & 2 closed
	CPU bus speed automatic detection enabled	JS1	Closed
	CPU bus speed automatic detection disabled	JS1	Open
	CPU bus speed select 66MHz	JS2	Closed
	CPU bus speed select 100MHz	JS2	Open

Note: Enabling CPU bus speed automatic detection overrides any setting on JS2.

### DIMM CONFIGURATION

Size	Bank 0	Bank 1
8MB	(1) 1M x 64	None
16MB	(1) 1M x 64	(1) 1M x 64
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
264MB	(1) 32M x 64	(1) 1M x 64
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: 256KB/512KB cache is located on the Pentium II CPUs. 128KB cache is located on the Celeron 300A and greater CPUs.

#### CPU SPEED SELECTION

<b>CPU speed</b>	<b>Clock speed</b>	<b>Multiplier</b>	<b>SW1/1</b>	<b>SW1/2</b>	<b>SW1/3</b>	<b>SW1/4</b>
200MHz	66MHz	3x	On	On	Off	On
233MHz	66MHz	3.5x	On	Off	Off	On
266MHz	66MHz	4x	On	On	On	Off
300MHz	66MHz	4.5x	On	Off	On	Off
300MHz	100MHz	3x	On	On	Off	On
333MHz	66MHz	5x	On	On	Off	Off
350MHz	100MHz	3.5x	On	Off	Off	On
366MHz	66MHz	5.5x	On	Off	Off	Off
400MHz	66MHz	6x	Off	On	On	On
400MHz	100MHz	4x	On	On	On	Off
450MHz	100MHz	4.5x	On	Off	On	Off
500MHz	100MHz	5x	On	On	Off	Off
550MHz	100MHz	5.5x	On	Off	Off	Off
600MHz	100MHz	6x	Off	On	On	On