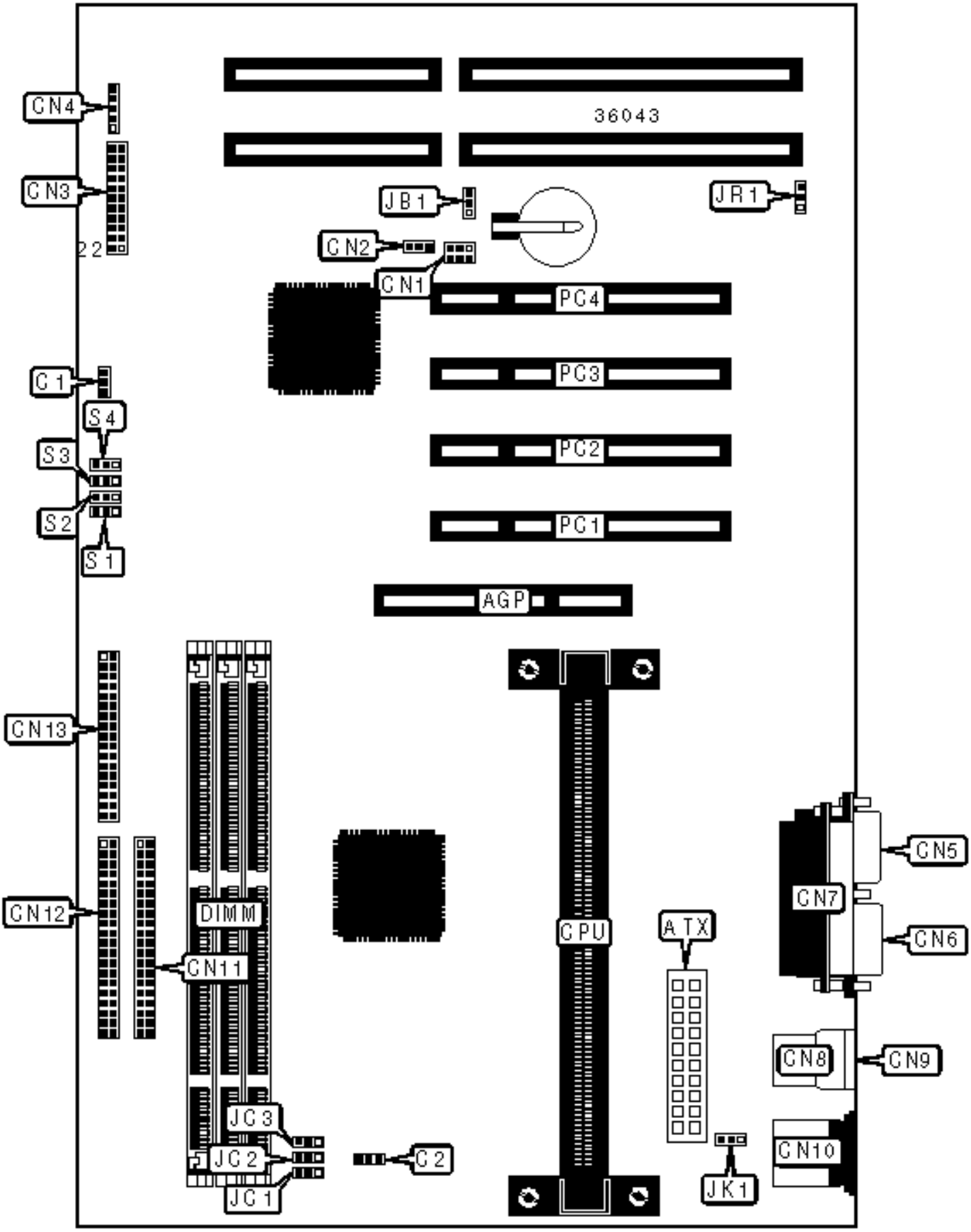
SUPERPOWER COMPUTER CO., LTD.

SP-6XS

Configuration


CN4
CN3
22
36043
JB1
JR1
CN2
CN1
PC4
PC3
PC2
PC1
C1
S4
S3
S2
S1
AGP
CN13
CN12
DIMM
CN11
CPU
ATX
CN5
CN7
CN6
CN8
CN9
CN10
JC3
JC2
JC1
C2
JK1

CONNECTIONS

Purpose	Location	Purpose	Location
AGP slot	AGP	Speaker	CN3/pins 19 - 22
ATX power connector	ATX	Audio in - CD-ROM	CN4
Chassis fan power	C1	Serial port 2	CN5
Chassis fan power	C2	Serial port 1	CN6
SB-link connector	CN1	Parallel port	CN7
Wake on LAN connector	CN2	USB connector 1	CN8
Power LED & keylock	CN3/pins 1 - 5	USB connector 2	CN9
IDE interface LED	CN3/pins 6 & 17	PS/2 mouse port	CN10
Green PC connector	CN3/pins 7 & 16	IDE interface	CN11
Reset switch	CN3/pins 8 & 15	IDE interface	CN12
Turbo LED	CN3/pins 9 & 14	Floppy drive interface	CN13
Green PC LED	CN3/pins 10 & 13	32-bit PCI slots	PC1 - PC4
Soft off power supply	CN3/pins 11 & 12		

USER CONFIGURABLE SETTINGS

Function		Label	Position
»	CMOS memory normal operation	JB1	Pins 2 & 3 closed
	CMOS memory clear	JB1	Pins 1 & 2 closed
	5v keyboard	JK1	Pins 1 & 2 closed
	Keyboard wake up enabled	JK1	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
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

DIMM CONFIGURATION (CON'T)			
Size	Bank 0	Bank 1	Bank 2
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
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
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
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) 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

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

Note: 256KB/512KB cache is located on the Pentium II CPU.

CPU FREQUENCY SELECTION

Speed	BUS CLK	JC1	JC2	JC3
66MHz	66MHz	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
66MHz	75MHz	Pins 2 & 3 closed	Pins 2 & 3 closed	Pins 1 & 2 closed
66MHz	83MHz	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 2 & 3 closed
66MHz	95MHz	Pins 1 & 2 closed	Pins 2 & 3 closed	Pins 2 & 3 closed
100MHz	100MHz	Pins 2 & 3 closed	Pins 2 & 3 closed	Pins 2 & 3 closed
100MHz	112MHz	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
100MHz	124MHz	Pins 1 & 2 closed	Pins 2 & 3 closed	Pins 1 & 2 closed
100MHz	133MHz	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 2 & 3 closed

CPU MULTIPLIER SELECTION

Multiplier	S1	S2	S3	S4
3x	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 2 & 3 closed

3.5x	Pins 1 & 2 closed	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 2 & 3 closed
4x	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 2 & 3 closed	Pins 1 & 2 closed
4.5x	Pins 1 & 2 closed	Pins 2 & 3 closed	Pins 2 & 3 closed	Pins 1 & 2 closed
5x	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 2 & 3 closed	Pins 2 & 3 closed
5.5x	Pins 1 & 2 closed	Pins 2 & 3 closed	Pins 2 & 3 closed	Pins 2 & 3 closed
6x	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
6.5x	Pins 2 & 3 closed	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
7x	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 2 & 3 closed
7.5x	Pins 2 & 3 closed	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 2 & 3 closed
8x	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 2 & 3 closed	Pins 1 & 2 closed