

# PowerEdge SP Pentium

## System Board, PowerEdge SP 5xx -- Jumper Settings

Jumper	Description	Function
SCSI	jumpered * unjumpered	Integrated SCSI terminated Intgrtd SCSI not terminated
50MHz	unjumpered	Reserved
60MHz	jumpered unjumpered	60MHz microprcssr used 60MHz microprcssr not used
66MHz	jumpered unjumpered	66MHz microprcssr used 66MHz microprcssr not used
AUDIO	unjumpered	Reserved
CrdBIOS	unjumpered	Reserved
EISA	jumpered unjumpered *	EISA config cleared at boot EISA config saved at boot
BOOT	unjumpered	Reserved

\* Default

## System Board, PowerEdge SP 5xx -- Switch Settings

Switch	Description	Function
VGA	ON * OFF	Built in VGA on Built in VGA off
PASSWD	ON * OFF	Password on Password off
IOADDR	ON * OFF	I/O cntrlr set to 26Eh-26Fh I/O cntrlr set to 398h-399h
BIOS	ON * OFF	Flash BIOS update on Flash BIOS update off

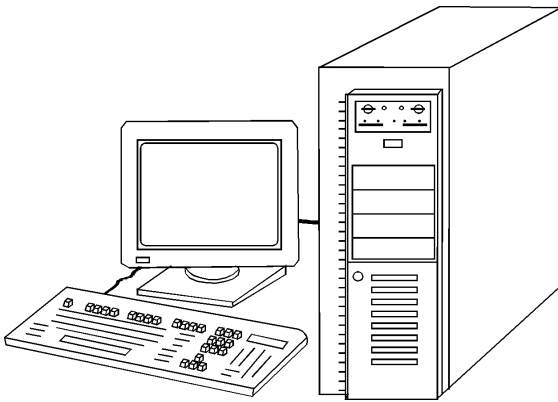
\* Default

## SCSI BackPlane Board, PowerEdge SP 5xx DSA Host Adapter Settings -- Switch Settings

Switch	Setting	Description
SW0	OFF	SCSI Bay A=ID4
SW1	OFF	SCSI Bay B=ID1
SW2	OFF	SCSI Bay C=ID2
SW3	ON	SCSI Bay D=ID3

## SCSI BackPlane Board, PowerEdge SP 5xx-2 DSA Host Adapter Settings -- Switch Settings

Switch	Setting	Description
SW0	ON	SCSI Bay A=ID4
SW1	OFF	SCSI Bay B=ID1
SW2	OFF	SCSI Bay C=ID2
SW3	ON	SCSI Bay D=ID3



Dell PowerEdge SP Pentium

## SPECIFICATIONS

### Processor

- **PowerEdge SP 5xx:** Intel Pentium 60/66 Mhz
- **PowerEdge SP 5xx-2:** Intel single or dual Pentium 90/100MHz

### Memory

- **PowerEdge SP 5xx:** 8MB standard, expands to 192MB
- **PowerEdge SP 5xx-2:** 8MB standard, expands to 512MB

### I/O Expansion Slots

- **PowerEdge SP 5xx:** 6-EISA, 2-PCI slots
- **PowerEdge SP 5xx-2:** 5-EISA, 1-PCI and 1-shared PCI/EISA

### Diskette Drive

- 3.5", 1.44MB

### Integrated Features

- Parallel, serial (2), video PCI local bus

### Internal Expansion Bays

- 4-user accessible, 4-internal drive bays

### I/O Architecture

- EISA and PCI

### Power Supply

- 300 Watt

### Diagnostics

- Normal Post Diags performed on Power UP of system.
- Dell system support diskette or QAPLus/FE software
- Troubleshoot according to errors found during test

### CMOS Access

- QAPLus/FE

## Tools and Software Requirements

- Flat bladed screwdriver
- Needle nose pliers
- Anti-static wrist strap
- Diagnostics and formatted blank diskettes

## SCSI BackPlane Board, PowerEdge SP 5xx and 5xx-2 Non-DSA Host Adapter Settings - Switch Settings

Switch	Setting	Description
SW0	OFF	SCSI Bay A=ID0
SW1	OFF	SCSI Bay B=ID1
SW2	OFF	SCSI Bay C=ID2
SW3	OFF	SCSI Bay D=ID3

**Note:** This board is an option and may not be present

## System Board, PowerEdge SP 5xx-2 -- Switch Settings

Switch	Description	Function
There are no switches on the system board		

## System Board, PowerEdge SP 5xx-2 -- Jumper Settings

Jumper	Description	Function
Passwrld	jumpered* unjumpered	Turns on system password Turns off system password
BIOS	jumpered* unjumpered	Flash BIOS update is on Flash BIOS update is off
SCSI	jumpered* unjumpered	Integrated SCSI terminated Intgrtd SCSI not terminated
EISA	jumpered unjumpered*	EISA config cleared at boot EISA config saved at boot
VGA	jumpered* unjumpered	On board VGA is turned on On board VGA is turned off
Crdbios	unjumpered	Reserved
60MHz	jumpered unjumpered	60/90 MHz microprcssr used 60/90 MHz microprcssr not used
66MHz	jumpered unjumpered	66/100 MHz microprcssr used 66/100 Mhz microprcssr not used

\* Default

## Removal Procedures

Before beginning removal complete the following steps.

1. Turn off the computer and any peripheral devices.
2. Disconnect AC power cord from outlet and system
3. Disconnect all peripheral devices from computer

### System Cover

How to remove the cover

1. Unlock the security key lock
2. Remove 3 cover mounting screws on rear
3. Slide the cover forward until it stops, grasp the top of the cover and lift it straight up and off

## Field Replaceable Units

Memory	OEM Part	IBM Part
4MB SIMM	34794	22H3028
4MB SIMM	30380	22H2930
4MB SIMM	30346	22H3126
8MB SIMM	38424	22H3194
8MB SIMM	34795	22H3029
8MB SIMM	30401	22H3128
16MB SIMM	47047	22H3196

Memory	OEM Part	IBM Part
16MB SIMM	44219	22H3226
32MB SIMM	41227	22H3195

Controller	OEM Part	IBM Part
Adapter 1740A, E/S	36325	22H2863
Adapter 2740A, E/S	77871	22H3401
HD,E/S,32B	74548	22H3389
Cntrlr Card w/o FDD	47281	22H3171

Video Boards	OEM Part	IBM Part
PCI, 3MB VRAM CARD	46601	22H3335
PCI, 1MB VRAM CARD	73569	22H3336

CD-ROM Drives	OEM Part	IBM Part
656/748 Int, F5	68670	22H3402
680MB, S, F5	75201	22H3299
680MB CD-ROM	45556	22H3236
680MB CD-ROM	73319	22H3388

Microprocessors	OEM Part	IBM Part
P5 CPU, 90MHz	75446	22H3325
P54C, 100MHz	76515	22H3415

Internal Hard Drives	OEM Part	IBM Part
1.6GB	43537	22H3151
170MB, I, F3	47105	22H3391
1GB	69089	22H3317
1GB	71441	22H3177
230MB	41343	22H3233
270MB, INT, F3	47940	22H3392
2GB	76343	22H3405
2GB, S, F3	46588	22H3152
320MB	76062	22H3225
330MB	28882	22H3148
330MB Maxtor	47107	22H3021
450MB	49720	22H3210
500MB	71442	22H3301
528MB	47941	22H3209
700MB	38690	22H3120

System Bds.	OEM Part	IBM Part
PLN, SP/XE 560	41254	22H3398
PLN, SP/XE 566	41255	22H3399
PLN, P90, PCI, INTEL	76984	22H3328
PLN, 586, PCI, INTEL	75173	22H3323
PLN, SP/XE 590	65211	22H3412
PLN, P54C/P54CM	77713	22H3413
PLN, SP/XE 5100	65212	22H3414
SYS BD 80586 W/O CPU	05552	70H8790

## Field Replaceable Units (Continued)

<b>Tape Drives</b>	<b>OEM Part</b>	<b>IBM Part</b>
250MB	14861	22H2735
525MB	49886	22H3223
80/250MB	76448	22H3333
4/8GB, F5, DDS2/DAT, INT	10945	22H3416
4/8GB, DDS2/DAT, ALOAD	10946	22H3332
20GB, F5	71443	22H3417
20GB INT	76036	22H3418

<b>Diskette Drives</b>	<b>OEM Part</b>	<b>IBM Part</b>
1.44MB 3 mode	79788	22H3403
3H, F3, HH	79789	22H3404
FD, 3H, F3, HH, NN	24524	22H3208
FD, 5H, F5, HH, NN	26590	22H3290
FD, 2.88M, F3, HH	31102	22H3145
FD, 1.2M, F5	37473	22H3230
FD, 1.44M, F3	37474	22H3390

<b>Miscellaneous</b>	<b>OEM Part</b>	<b>IBM Part</b>
Power supply	74520	22H3307
Power supply 300W	46350	22H3393
14.4K, int. modem	48682	22H3406
24/96 bd internal modem	27863	22H2741
14.4, int modem	72995	22H3180