

ProLiant 5000

| Processor/System Boards | Assembly | Spare Part |
|----------------------------------|------------|------------|
| P6 Processor Board w/o Processor | 004893-101 | 219409-001 |
| System I/O Board, P6, PCI-EISA | 004902-001 | 219287-001 |
| System I/O Board, P6, PCI-EISA | 004902-002 | 241810-001 |

SW1 Switch Settings (004902)

| SW | Function | Set to ON | Set to OFF * |
|----|----------------------------|---|---|
| S1 | VIDEO DISABLE | Disables integrated video controller | Enables the integrated video controller |
| S2 | CONFIGURATION LOCK | Disables configuration changes | Enables configuration changes |
| S3 | CHASSIS | System installed in rack chassis | System installed in tower chassis |
| S4 | DISKETTE BOOT OVERRIDE | Enables system booting from diskette drive regardless of config setting | System booting from the diskette drive is controlled by config settings |
| S5 | POWER-ON PASSWORD | Clears password | System booting is password protected if a password is set |
| S6 | CONFIGURATION MEMORY CLEAR | Clears the configuration memory | |

* Default.

Jumper Settings For SCSI ID

| Device in Drive Bay | SCSI ID | PIN 3 ID2 | PIN 2 ID1 | PIN 1 ID0 |
|---------------------|---------|-----------|-----------|-----------|
| 6 | 6 | ON | ON | OFF |
| 5 | 5 | ON | OFF | ON |

NOTE: SCSI IDs for bays 0-3 are preset to 0-3 respectively. No two drives can have the same SCSI ID.

| Microprocessors | Spare Part |
|---------------------------|------------|
| P6/166, 512k w/ Heat Sink | 219408-001 |
| P6/200, 256k w/ Heat Sink | 221068-001 |
| P6/200, 512k w/ Heat Sink | 219407-001 |

| Memory Boards/Modules | Speed | Assembly | Spare Part |
|-----------------------|-------|------------|------------|
| 16 MB DIMM | 60 ns | | 219390-001 |
| 32 MB DIMM | 60 ns | | 219391-001 |
| 64 MB DIMM | 60 ns | | 219392-001 |
| 128 MB DIMM | 60 ns | | 219393-001 |
| P6 Memory Board, FP | | 004905-001 | 219286-001 |
| P6 Memory Board, FP | | 004905-002 | 219487-001 |

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| Controller Boards | Assembly | Spare Part |
|--|------------|------------|
| 10 T, PCI UTP Controller | 006064 | 242501-001 |
| 10/100 TX PCI UTP Controller | 005139 | 169849-001 |
| 4/16 TR PCI IBM UTP/STP Controller | N/A | 199764-001 |
| 50-Pin to 68-Pin Adapter (standard to wide) ** | | 189638-001 |
| 68-Pin to 50-Pin Adapter (wide to standard) ** | | 189631-001 |
| Dual-Channel Wide-Ultra SCSI-3 Controller | N/A | 295626-001 |
| Fast SCSI-2 Controller | 002682 | 142040-001 |
| Fast-Wide SCSI-2/E Controller | 003529 | 199634-001 |
| Fast-Wide SCSI-2/P Controller | 003654-001 | 199633-001 |
| NetFlex Controller | 002709 | 142041-001 |
| NetFlex Controller Token Ring Module | 142035 | 142042-001 |
| NetFlex-2 DualPort ENET Controller | 003101 | 142151-001 |
| NetFlex-2 DualPort TR Controller | 003104 | 142195-001 |
| NetFlex-2 ENET-TR Controller | 003382 | 142222-001 |
| NetFlex-2 TR Controller | 003647 | 199521-001 |
| NetFlex-3 100 Base-TX UTP Module | 004183 | 169805-001 |
| NetFlex-3 100 VG-AnyLAN UTP Module | 004189 | 169803-001 |
| NetFlex-3/E Controller | 004162 | 169801-001 |
| NetFlex-3/P Controller | 004165 | 169811-003 |
| SMART Array Controller* | 002969 | 142130-001 |
| | 003596 | 181132-001 |
| SMART-2/E Array Controller* | 194771 | 194752-001 |
| SMART-2/P Wide-Ultra Array Controller* | 194799 | 194754-001 |
| SMART-2/P Array Controller | 194770 | |
| SMART-2DH Array Controller | 295244 | 295243-001 |
| Wide-Ultra Controller | 003654-002 | 272515-001 |

* Ultra speeds not supported externally. Ultra drives will operate at Fast-Wide speeds.

** Cable adapters are supported *only* between the controller and internal SCSI cable. Adapters are NOT supported between the device and the cable. "SMART" controllers use adapter 189638-001. "SMART-2/E & 2/P" controllers use adapter 189631.

| Miscellaneous Internal | Assembly | Spare Part |
|--|------------|---------------------------|
| Hot-Pluggable Drive Backplane Board, Wide SCSI | 004542-001 | 188490-001 |
| Hot-Pluggable Tray Adapter (Fast SCSI-2) | 146729-003 | 146781-001 |
| Hot-Pluggable Tray Adapter (Fast-Wide SCSI-2) | 146729-004 | 199656-001 |
| | | Replaced w/ 199880-001 |
| Pass-Through Board, Wide SCSI | 004349-001 | 199612-001 |
| Processor Terminator Board, P6 | 005082 | 219388-001 |
| Regulator Module | 005003 | 219209-001 |

Miscellaneous External

See "ProLiant Storage System" section for information on:

- * External hot-pluggable hard drives
- * Stand-By Recovery Server Option and cables
- * On-Line Recovery Server Option and cables

See "SCSI Storage Expander" section for information on:

- * External non-pluggable hard drives
- * External tape drives

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| Hard Drives | Spare Part |
|---|---------------------------|
| 1.05 GB Hot-Pluggable Fast SCSI-2 | 146717-001 |
| 1.05 GB Non Hot-Pluggable Fast SCSI-2 | 146799-001 |
| 1.6" Drive Tray, Fast-SCSI-2 Connector | 146781-001 |
| 1.6" Drive Tray, Fast-Wide Connector | 199656-001 |
| | Replaced w/ 199880-001 |
| 1" Drive Tray, Fast-SCSI-2 Connector * | 242593-001 |
| 1" Drive Tray, Fast-Wide Connector* | 199880-001 |
| 1" Drive Tray, SCA Connector* | 242801-001 |
| 2.1 GB Hot-Pluggable Fast-SCSI-2 | 199428-001 |
| 2.1 GB Hot-Pluggable FW SCSI-2 | 199643-001 |
| | Replaced w/ 199878-001 |
| 2.1 GB Hot-Pluggable FW SCSI-2 1" | 199878-001 |
| 2.1 GB Hot-Pluggable Wide Ultra 1" ¹ | 242603-001 |
| 2.1 GB Non Hot-Pluggable Fast-SCSI-2 | 142272-001 |
| 2.1 GB Non Hot-Pluggable FW SCSI-2 | 199644-001 |
| 2.1 GB Non Hot-Pluggable Wide Ultra 1" ¹ | 242604-001 |
| 4.3 GB Hot-Pluggable Fast-SCSI-2 | 199584-001 |
| 4.3 GB Hot-Pluggable FW SCSI-2 | 199598-001 |
| 4.3 GB Hot-Pluggable Wide Ultra 1" ¹ | 242622-001 |
| 4.3 GB Non Hot-Pluggable Fast-SCSI-2 | 199585-001 |
| 4.3 GB Non Hot-Pluggable FW SCSI-2 | 199599-001 |
| 4.3 GB Non Hot-Pluggable Wide Ultra 1" ¹ | 242606-001 |
| 9.1 GB Hot-Pluggable Wide SCSI 1.6" ¹ | 199888-001 |
| 9.1 GB Non Hot-Pluggable Fast-SCSI-2 | 199885-001 |
| 9.1 GB Non Hot-Pluggable Wide Ultra 1.6" ¹ | 199886-001 |
| 18.2 GB Hot-Pluggable Wide Ultra 1.6" SCSI-3 | 313764-001 |

¹ Requires Optional Wide Ultra Controller and/or Cabling to use Wide Ultra Speeds.

* 1" Drive Tray Kits contain 1" and 1.6" covers without side-springs.

| CD-ROM Drives | Spare Part |
|---------------|------------|
| QuadSpeed | 184783-001 |

| Diskette Drives | Spare Part |
|--------------------|--------------|
| 1.2 MB | DISCONTINUED |
| 1.44 MB (optional) | 112565-001 |
| 1.44 MB (standard) | 144207-201 |

| Tape Drives | Spare Part | Tape Cartridge | Spare Part |
|-----------------------|------------|---------------------|------------|
| 525 MB ACA | 142073-001 | 525 MB QIC Cart. | 119504-001 |
| 1.2 GB Tape Drive | 199615-001 | 1.2 GB QIC Cart. | 199625-001 |
| 2/4 GB DAT | 142074-201 | 1.3 GB 60 M DDS1 | 131167-001 |
| | | 2.0 GB 90 M DDS1 | 131148-001 |
| | | DDS1 Cleaning Cart. | 131194-001 |
| 2/8 GB DAT Clam Gray | 142074-001 | 1.3 GB 60 M DDS1 | 131167-001 |
| | | 2.0 GB 90 M DDS1 | 131148-001 |
| | | DAT Cleaning Cart. | 131194-001 |
| 2/8 GB DAT Beach Gray | 142074-201 | 1.3 GB 60 M DDS1 | 131167-001 |
| | | 2.0 GB 90 M DDS1 | 131148-001 |
| | | DDS1 Cleaning Cart. | 131194-001 |
| 4/8 GB DAT | 295163-001 | 4.0 GB 120M DDS2 | 199496-001 |
| | | DDS2 Cleaning Cart. | 242618-001 |

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| Tape Drives | Spare Part | Tape Cartridge | Spare Part |
|--|-------------------|---|--------------------------|
| 4/16 GB TurboDAT Clam Gray | 199464-001 | 4.0 GB 120M DDS2 DDS2 Cleaning Cart. | 199496-001 242618-001 |
| 4/16 GB TurboDAT Beach Gray | 199464-201 | 4.0 GB 120M DDS2 DDS2 Cleaning Cart. | 199496-001 242618-001 |
| 10/20 Table Top DLT | 199676-001 | 10/20 GB Data Cart. | 199703-001 |
| 10/20 Internal DLT | 199746-001 | DLT Cleaning Cart. | 199705-001 |
| 15/30 Table Top DLT | 242469-001 | 15/30 GB Data Cart. | 242467-001 |
| 15/30 Internal DLT | 242468-001 | DLT Cleaning Cart. | 199705-001 |
| 35/70 Table Top DLT | 242854-B21 | 35/70 GB Data Cart. | 295394-001 |
| 35/70 Internal DLT | 242853-B21 | DLT Cleaning Cart. | 199705-001 |
| TurboDAT Autoloader (internal) Beach Gray | 199466-201 | 4 Cartridge Magazine 12 Cartridge Magazine | 199467-001 199468-001 |
| TurboDAT Autoloader (internal) Clam Gray | 199466-001 | 4 Cartridge Magazine 12 Cartridge Magazine | 199467-001 199468-001 |

| Cables | Spare Part |
|---|-------------------|
| 2 Channel Ethernet "Y" Cable | 197134-001 |
| Diskette Drive Signal Cable | 143706-001 |
| DLT Active Terminator | 199715-001 |
| DLT, 18", Daisy Chain (Table Top) | 199713-001 |
| DLT, 6', Standard to Centronix | 199714-001 |
| DLT, 6', Wide to Centronix | 199780-001 |
| DualPort Ethernet Loopback (2 CH NIC) | 142254-001 |
| External 100-Pin to 50-Pin Cable | 142159-001 |
| External SCSI Signal Cable, 6' | 146776-001 |
| Internal Fast-Wide SCSI-2 Cable, 23" | 189637-003 |
| Internal SCSI 2-device Cable w/ Terminator, 36" | 148728-001 |
| LED Cables | 148585-001 |
| Loop Back Cable, NetFlex | 142054-001 |

28.8k-bps Modem

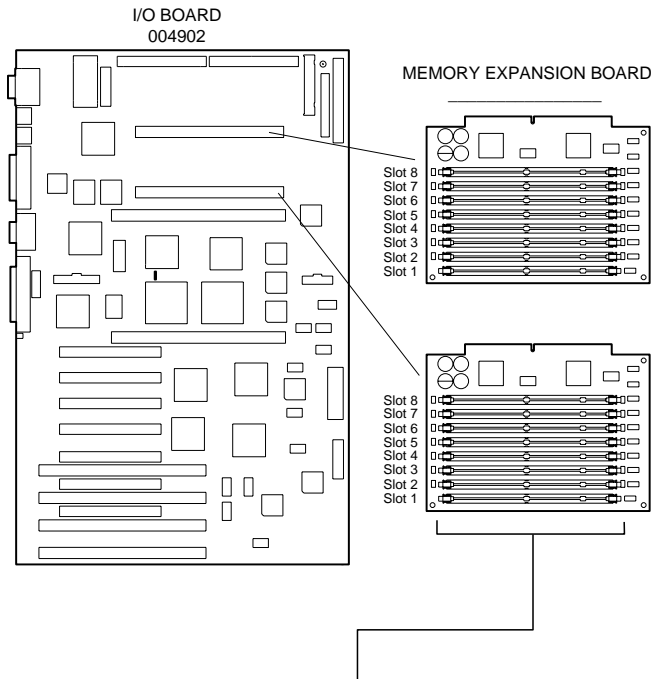
| Country | Assembly | Spare Part | RJ-11 Phone Cable |
|----------------|-----------------|-------------------|------------------------------|
| U.S. | 223610-002 | 259214-002 | 127949-001 |

| ROM Information | Spare Part |
|------------------------|-------------------|
| Drive Backplane ROM | 146705-001 |
| Option ROMPaq | 142207-001 |
| System ROMPaq | 143198-001 |

| Battery/Power Supply | Spare Part |
|--|-------------------|
| 488 Watt Redundant Power Supply (Option) | 163828-001 |
| Battery Alk, 4.5v, 600ma, RTC | 160274-001 |
| Power Supply, 540W | 219448-001 |

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Memory Upgrade Chart



DIMMS MUST BE ADDED IN SETS OF 4 OF THE SAME SIZE AND SPEED
AND DIVIDED EVENLY BETWEEN BOTH MEMORY BOARDS
IN SLOTS 1 AND 2 ON EACH MEMORY BOARD
THEN SLOTS 3 AND 4 ON EACH MEMORY BOARD
THEN SLOTS 5 AND 6 ON EACH MEMORY BOARD
THEN SLOTS 7 AND 8 ON EACH MEMORY BOARD



64-MB 60ns Single Bank DIMMS (4 x 16 MB)
OPTION PN 219282-001

128-MB 60ns Double Bank DIMMS (4 x 32 MB)
OPTION PN 219283-001

256-MB 60ns Single Bank DIMMS (4 x 64 MB)
OPTION PN 219284-001

512-MB 60ns Double Bank DIMMS (4 x 128 MB)
OPTION PN 219285-001