

ProLiant 2000/4000

System Boards*	Assembly	Spare Part
486/50 Processor Board **	003164	136812-001
486/50 Processor Board ***	003474	148672-001
5/66 Processor Board	002443-004	148677-001
5/90 Processor Board	004495-001	163848-001
	004495-011	
5/100 Processor Board	003756	163832-001
5/100 Processor Board	005154-001	184793-001
5/133 Processor Board	004715	213417-001
5/166 Processor Board	005590-001	213466-001
System I/O Board (5/66, 5/90, 5/100)	004486	163707-001
System I/O Board (486/50, 5/66, 5/100)	003116/003	148550-001
	862	

* All processor boards listed in this table ship with a processor chip installed.

** Dual-Processor capable.

*** Quad-Processor capable.

SW2 Switch Settings (003116, 003862, 004486)

SW	Function	Position	Status
S1	VIDEO DISABLE If ROM detects optional video board, this switch is ignored and integrated video disabled.	OFF *	ENABLED
		ON	DISABLED
S2	PROCESSOR ENABLE S2 configures system for 3rd and 4th processors. Enables 2nd fan sensing. Up to 2 processors can be used when S2 disabled	OFF	DISABLED
		ON	ENABLED
S3	RESERVED	OFF *	
S4	DISKETTE BOOT ENABLE When S4 ON, system can be booted from diskette no matter what configuration reads.	OFF *	DISABLED
		ON	ENABLED
S5	POWER-ON PASSWORD DEFEAT Password set in configuration.	OFF *	DISABLED
		ON	ENABLED
S6	NV RAM Invalidates NV RAM and configuration is cleared when S6 is ON (enabled)	OFF *	DISABLED
		ON	ENABLED

* Default.

Memory Boards/Modules	Speed	Assembly	Spare Part
Memory Expansion Board		002563-001	139947-001
4 MB Memory Module	70 ns	118665-004	141754-001
4 MB Memory Module	80 ns	118665-002	118741-001
8 MB Memory Module	70 ns	129041-002	141755-001
8 MB Memory Module	80 ns	129041-001	128954-001
16 MB Memory Module	70 ns	137143-003	149947-001
16 MB Memory Module	80 ns	137143-002	139143-001
32 MB Memory Module	70 ns	139973-002	149948-001
32 MB Memory Module	80 ns	139973-001	139949-001

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Controller Boards	Assembly	Spare Part
SMART Array Controller*	002969	142130-001
	003596	181132-001
SMART-2DH Array Controller	295244	295243-001
SMART-2/E Array Controller*	194771	194752-001
Fast SCSI-2 Controller	002682	142040-001
Fast-Wide SCSI-2/E Controller	003529	199634-001
NetFlex Controller	002709	142041-001
NetFlex Controller Token Ring Module	142035	142042-001
NetFlex-2 ENET-TR Controller	003382	142222-001
NetFlex-2 DualPort ENET Controller	003101	142151-001
NetFlex-2 TR Controller	003647	199521-001
NetFlex-2 DualPort TR Controller	003104	142195-001
NetFlex-3/E Controller	004162	169801-001
NetFlex-3/P Controller	004165	169811-003
NetFlex-3 100 Base-TX UTP Module	004183	169805-001
NetFlex-3 100 VG-AnyLAN UTP Module	004189	169803-001
10/100 TX PCI UTP Controller	005139	169849-001
10 T, PCI UTP Controller	006064	242501-001
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
SMART-2DH Array Controller	295244	295243-001

* Cable adapters are supported *only* between the controller and the 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	Page
2400 Baud Modem ^{1*}	001768-002	121308-002	X
2400 Baud Modem ^{2*}	001732-002	121250-001	X
SpeedPaq 144/I Data and Fax Modem*	003002	147453-001	E-5
Hot-Pluggable Drive Tray		146781-001	X
Hot-Pluggable Drive Backplane	004192-001	190060-001	X
SCSI Pass-Through Board	003418-001	142266-001	X

* Refer to Appendix E for country-specific modem part numbers.

¹ Outside North America.

² North America.

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

¹ Requires Optional Fast-Wide SCSI-2 Backplane Upgrade.

² Limited to Fast-Wide SCSI Bus Speeds.

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

CD-ROM Drives	Spare Part
Tray Load, Internal	142223-001
Tray Load, External	199430-001
Caddy Load	133881-001
Quad Speed, Tray Load, Internal	184783-001
8X, IDE	295934-001

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

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
2/8-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
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
4/16-GB TurboDAT Clam Gray	199464-001	4.0 GB 120M DDS2	199496-001
		DDS2 Cleaning Cart.	242618-001

Continued

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Tape Drives	Spare Part	Tape Cartridge	Spare Part
4/16-GB TurboDAT	199464-201	4.0 GB 120M DDS2	199496-001
Beach Gray		DDS2 Cleaning Cart.	242618-001
4/8-GB DAT	295163-001	4.0 GB 120M DDS2	199496-001
		DDS2 Cleaning Cart.	242618-001
TurboDAT Autoloader	199466-001	4 Cartridge Magazine	199467-001
(internal) Clam Gray		12 Cartridge Magazine	199468-001
TurboDAT Autoloader	199466-201	4 Cartridge Magazine	199467-001
(internal) Beach Gray		12 Cartridge Magazine	199468-001
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

Cables	Spare Part
Internal SCSI Hard Drive Cable *	148589-001
External SCSI Signal Cable	146776-001
Internal SCSI 2-Device Cable	148728-001
LED Cables	148585-001
Diskette Drive Signal Cable	143706-001
DualPort Ethernet Loopback	142254-001
Dual AUI Breakout Cable	197134-001
DLT, 6', Standard to Centronix	199714-001
DLT, 6', Wide to Centronix	199780-001
DLT, 18", Daisy Chain (Table Top)	199713-001
DLT Active Terminator	199715-001

* ProLiant 2000.

28.8k-bps Modem

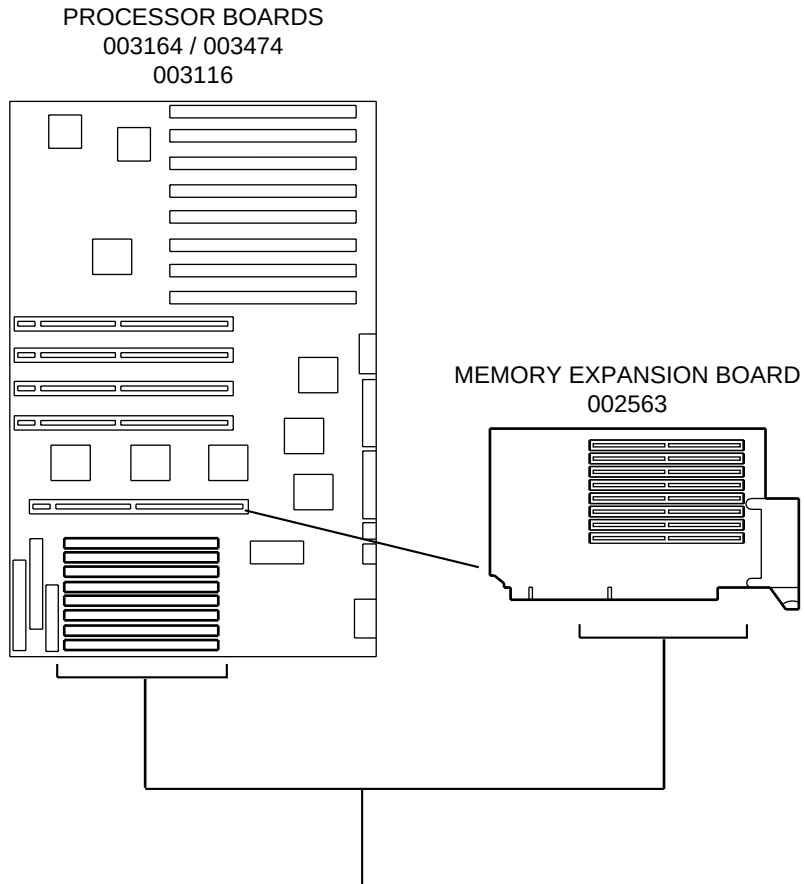
Country	Assembly	Spare Part	RJ-11 Phone Cable	Option
U.S.	223610-002	259214-002	127949-001	259213-001

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

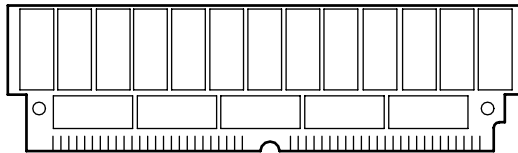
Power Supply/Battery	Spare Part
Clock/Battery	149344-001
Power Supply, 445W	148569-001
Power Supply, 488W	163827-001
Redundant Power Supply, 488W	163828-001

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Memory Upgrade Chart



SIMMS MUST BE ADDED IN SETS OF 4 OF THE SAME SIZE AND SPEED
UP TO 256 MB ON THE SYSTEM BOARD AND
UP TO 256 MB ON THE EXPANSION BOARD FOR
UP TO 512 MEGABYTES TOTAL SYSTEM MEMORY



- 16-MB 70ns (4 x 4MB) - OPTION PN 149949-001
- 32-MB 70ns (4 x 8MB) - OPTION PN 149912-001
- 32-MB 80ns (4 x 8MB) - OPTION PN 136817-001
- 64-MB 70ns (4 x 16MB) - OPTION PN 149913-001
- 64-MB 80ns (4 x 16MB) - OPTION PN 149341-001
- 128-MB 70ns (4 x 32MB) - OPTION PN 149914-001
- 128-MB 80ns (4 x 32MB) - OPTION PN 139918-001