

8 MHz DESKPRO 286

SERVICE SUPPORT DISCONTINUED

System Boards	Assembly	Spare Part
80286 System Board	000094, 000361	Not Available

80286 System Board Jumper Settings (000094)

Jumper	Pins	Function
ED	1 to 2 2 to 3	Third party monochrome (MDA only) Compaq VDU, Compaq EGA, compatible EGA, RGBI, or VGC/VGA (default)
ES	1 to 2 2 to 3	CPU boot speed 8 MHz (default) CPU boot speed 6 MHz
EM		Reserved

80286 System Board SW1 Switch Settings (000361)

1	2	3	4	5	6	7	8	Function
ON								64K x 1 DRAM
OFF								256K x 1 DRAM (default)
	ON	ON						Disable RAM and ROM
	ON	OFF						0 - 256 KB base memory
	OFF	ON						0 - 512 KB base memory
	OFF	OFF						Enable all base memory (default)
			OFF	OFF				64K x 1 DRAM
			ON	ON				256K x 1 DRAM. No extended memory (default)
150 ns (or faster) 256Kx1 chips only			ON	OFF				Enable bank 2 for 1.0 to 1.5 MB of memory
			OFF	ON				Enable banks 2 and 3 for 1.0 to 2.0 MB of memory
			OFF	OFF				Enable all banks for 1.0 to 2.5 MB of memory
					OFF			CPU boot speed 8 MHz (default)
					ON			CPU boot speed 6 MHz
						OFF		Reserved
							ON	Compaq VDU and EGA, compatible EGA, RGBI, or VGC/VGA (default)
							OFF	Third party monochrome (MDA only)

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Memory Boards	Assembly	Spare Part
512/2048 KB Memory Expansion Board *	000307, 000308	Not Available
System Memory Board	000130, 000178, 000382	Not Available

* See Volume 2 Appendix, Multiproduct Boards, for settings.

System Memory Board Jumper Settings (000130 Not PAL dependent)

Memory Type	Jumper Settings	Address Range Enabled
64K x 1 chips	E1 to E2, E5 to E6	0 - 640 Kbytes
64K x 1 chips	E2 to E3, E4 to E5	0 - 512 Kbytes
256K x 1 chips	E2 to E3	0 - 640 Kbytes *
	E5 to E6	1 - 2.5 Megabytes
256K x 1 chips	E2 to E3, E4 to E5	0 - 640 Kbytes

* 640 Kbytes to 1 megabyte reserved.

System Memory Board Jumper Settings (000178 * and 000382 **) - PAL in U90

Memory Type	E1 Jumper Pins	Address Range Enabled
64K x 1 chips	1 to 2, 5 to 6	0 - 640 Kbytes
64K x 1 chips	1 to 2, 4 to 5	0 - 512 Kbytes
64K x 1 chips *	2 to 3, 4 to 5	0 - 256 Kbytes
256K x 1 chips	2 to 3	0 - 640 Kbytes ***
	5 to 6	1 - 2.5 Megabytes
256K x 1 chips **	2 to 3, 4 to 5	0 - 640 Kbytes

* Only valid with 102665 PAL.

** Only valid with 105615 PAL.

*** 640 Kbytes to 1 megabyte reserved.

Memory Chips	Spare Part
64K x 1 (150 ns) DRAM	Not Available
256K x 1 (150 ns) DRAM	Not Available

Controller Boards	Assembly	Spare Part
Hard Drive Controller Board *	WD1002WAH	102778-001
Multipurpose Controller Board *	000142	Not Available
	000181-001	
	000181-021	
Multipurpose Hard Drive Controller Board *	000336, 000519, 000815	104174-001
ESDI Hard Drive Controller Board (3:1) *	WD1005WAH	Not Available
ESDI 130/300 MB Hard Drive Controller Board (1:1) *	WD1007AWAH	Not Available

* See Volume 2 Appendix, Multiproduct Boards, for settings.

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Video Boards	Assembly	Spare Part
Enhanced Color Graphics Board (EGA/CECGB) * **	000410	Not Available
Enhanced Color Graphics Board (EGA/CECGB) * **	000471	109196-001
Video Display Controller Board (VDU) **	000031, 000160, 000345, 000525	101340-001
Video Graphics Controller Board (VGC/VGA) * **	000806, 001241, 109360	109253-001

* ECG and VGC require system ROM F or later.

** See Volume 2 Appendix, Multiproduct Boards, for settings.

Miscellaneous	Assembly	Spare Part
Serial/Parallel Interface Board *	000570, 000990	106886-001
2400 Baud Internal Modem	001070	Not Available

* See Volume 2 Appendix, Multiproduct Boards, for settings.

Hard Drives

Size	Type	Inter-leave	Integrated	Min. ROM	Spare Part	Controller Assembly
20 MB	2	4:1	No	A	Not Available	WD1002WAH
30 MB	6	3:1	No	F	Not Available	WD1002WAH
40 MB	17	3:1	Yes	F	Not Available	000336 000519 000815
40 MB	17 22	1:1	Yes	F R.2	Not Available	000336 000519 000815
70 MB	12	2:1	No	F	Not Available	WD1002WAH
130 MB*	25 35**	3:1 1:1	No	F	Not Available	WD1005WAH WD1007AWAH

* Came formatted as type 35 for the WD1007AWAH controller. If used with the WD1005WAH controller (type 25), you must perform an unconditional format followed by a surface analysis using Diagnostics 5.04 or greater.

** MS-DOS 3.1 or earlier supports type 25 only. MS-DOS 3.2 or later supports either type. Use type 25 if the application software supports only 17 sectors per track.

Tape Drives

Size	Spare Part	Tape Cartridge	Spare Part
10 MB	Not Available	10 MB (DC1000)	Not Available
40 MB	108081-001 (black bezel) 120330-001 (gray bezel)	40 MB (DC2000)	108142-001

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Diskette Drives	Spare Part
360 KB	102928-001 (black bezel) 120329-001 (gray bezel)
1.2 MB	102775-001 (black bezel) 120331-001 (gray bezel)
1.44 MB *	113263-001 (black bezel) 113264-001 (gray bezel)

* Requires MS-DOS Version 3.31 Revision A if installed as drive B, and MS-DOS Version 3.31 Revision B if installed as drive A. Requires minimum system ROM N.3.

Cables			
Cable Function	Used With	Spare Part	Description
Diskette/Tape Signal *	All Diskette Drives, All Tape Drives	101380-002	
Mass Storage Power *	All Diskette Drives, Tape Drives, and Hard Drives	101137-001	
Hard Drive Signal	20 MB Hard Drive	100625-003	34 Pin
	30 MB Hard Drive	100625-004	20 Pin
	70 MB Hard Drive		
Hard Drive Signal *	40 MB Hard Drive	108086-001	
Hard Drive Signal	40 MB Hard Drive (Dual Drives)	108087-001	
Hard Drive Signal **	130 MB Hard Drive	100625-005	34 Pin
		100625-006	20 Pin

* Part of Cable Kit 108146-001.

** Part of Cable Kit 108249-001.

Processor/Coprocessor Locations		
Part	System Bd Assembly	Location
80286-8 Processor	000094	U60
80286-8 Processor	000361	U3
80287-3 or 80287-8 Coprocessor	000094	U74
80287-3 or 80287-8 Coprocessor	000361	U17

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SERVICE SUPPORT DISCONTINUED

System ROM Information

System Memory Board Assembly	System ROM Locations	System Option ROM Locations
000130	U82 ODD, U88 EVEN	U78 ODD, U85 EVEN
000178 and 000382	U84 ODD, U92 EVEN	U79 ODD, U89 EVEN
000361	U92 ODD, U49 EVEN	U116 ODD, U75 EVEN

System ROM Revisions (Spare Part 105035-001)

Revision	Number on ODD ROM	Number on EVEN ROM
A	102667-001	102669-001
B	102667-002	102669-002
C	102667-003	102669-003
D	105620-001	105622-001
E	106261-001	106263-001
F	106437-001	106438-001
G	106580-001	106581-001
J	106778-001	106779-001
K	106778-002	106779-002
M	106970-001	106971-001
N.3	106970-002	106971-002
P.1	109739-001	109740-001
R.2	109739-002	109740-002
S.1	109739-003	109740-003

Power Supply/Battery	Spare Part
Power Supply	102927-001 (110V) 102342-001 (220V)
Lithium Battery	160272-001