

12 MHz DESKPRO 286

SERVICE SUPPORT DISCONTINUED

System Boards	Assembly	Spare Part
80286 System Board	000555, 000700	Not Available

80286 System Board SW1 Switch Settings (000555, 000700)

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)
100 ns (or faster) 256Kx1 chips			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 12 MHz (default)
					ON			CPU boot speed 8 MHz
						OFF		Reserved
							ON	Compaq VDU and EGA, compatible EGA, RGBI, or VGC/VGA (default)
							OFF	Third party monochrome (MDA only)

80286 System Board Jumper Settings (000555, 000700)

Jumper E5	Function
1 - 2	CPU boot speed 12 MHz
2 - 3	CPU boot speed 12 MHz except 8 MHz when accessing diskette drive (default)

Memory Boards	Assembly	Spare Part
512/2048 KB Memory Expansion Board	000307, 000308	Not Available

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

Memory Chips	Spare Part
256K x 1 (100 ns) DRAM	Not Available

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Controller Boards	Assembly	Spare Part
Hard Drive Controller Board *	WD1002WAH	102778-001
ESDI Hard Drive Controller Board (3:1) *	WD1005WAH	Not Available
ESDI 130/300 MB Hard Drive Controller Board (1:1) *	WD1007AWAH	Not Available
Tape Adapter Board (135 MB and 150/250 MB Tape Drive) *	000774	113259-001
Multipurpose Hard Drive Controller Board *	000815	Not Available
ESDI External 300/600 MB Hard Drive Controller Board *	001091	115839-001
15 MHz ESDI Controller Board *	001283, 001628	121667-001
ESDI/Diskette Controller Board *	001472	115374-001

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

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
Advanced Graphics 1024 Board (AG1024) ***	109958	114201-001
Advanced Graphics Memory Board	109959	114202-001

* ECG and VGC require system ROM K or later.

** Required for the Advanced Graphics Color Monitor to display both normal VGA and high resolution video (single monitor configuration).

*** 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.

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Hard Drives

Size	Type	Inter-leave	Integrated	Minimum ROM	Spare Part	Controller Assembly
20 MB	2	1:1	Yes	K	Not Available	000815
20 MB	2	3:1	Yes	K	Not Available	000815
40 MB	17	3:1	Yes	K	Not Available	000815
40 MB	17	1:1	Yes	K	Not Available	000815
***	22			R.2		
40 MB	43	1:1	Yes	K	Not Available	000815

70 MB	12	2:1	No	K	Not Available	WD1002WAH
130 MB	25	3:1	No	K	Not Available	WD1005WAH
MB	35	1:1				WD1007AWAH
****	*****					
Hard Drive Expansion Unit						001091
						001283
						001472
						001628

*** Requires MS-DOS 3.2 or later.

**** 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	Spare Part	Tape Cartridge	Spare Part
40 MB	108081-001 (black bezel) 120330-001 (gray bezel)	40 MB (DC2000)	108142-001
135 MB	113218-001 (black bezel) 113227-001 (gray bezel)	135 MB (DC600XTD)	113234-001
150/250 MB	115368-001 (black bezel) 115367-001 (gray bezel)	150 MB (DC600XTD) 250 MB (DC6250)	113234-001 115298-001

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 system ROM N.3 or later for use with MS-DOS and system ROM P.1 or later for use with MS OS/2 Version 1.1. 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.

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SERVICE SUPPORT DISCONTINUED

Cables

Cable Function	Used With	Spare Part	Description
Diskette/Tape Signal *	All Diskette Drives 40 MB Tape Drive	101380-002	
Mass Storage Power *	All Drives	101137-001	
Tape Signal	135 MB Tape Drive	113198-001	
	150/250 MB Tape Drive	115196-001	
Hard Drive Signal	70 MB Hard Drive	100625-003	34 Pin
		100625-004	20 Pin
Hard Drive Signal *	20 MB Hard Drive 40 MB Hard Drive	108086-001	
Hard Drive Signal	Dual 20 MB & 40 MB Hard Drives	108087-001	
Hard Drive Signal **	130 MB Hard Drive	100625-005	34 Pin
		100625-006	20 Pin
External I/O	Expansion Units	115810-001	34 Pin
		100625-006	20 Pin
Telephone Cable (U.S. and Canada)	Modem	112666-001	
VGA Pass Through	Advanced Graphics System	114229-001	

* Part of Cable Kit 108146-001.

** Part of Cable Kit 108249-001.

Processor/Coprocessor Locations

Part	Location
80286-12 Processor	U3
80287-8 Coprocessor	U17

System ROM Information

System ROM Location	System Option ROM Location
U92 ODD, U49 EVEN	U116 ODD, U75 EVEN

System ROM Revisions (Spare Part 105035-001)

Revision	PN on ODD ROM	PN on EVEN ROM
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

Power Supply/Battery	Spare Part
Power Supply	108065-001
Lithium Battery	160272-001