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*COMPAQ SERVICE  
QUICK REFERENCE GUIDE*

# DP286e

## COMPAQ DESKPRO 286e

### BOARD COMPATIBILITY LIST

<u>Product</u>	<u>Assy No.</u>	<u>Spare Part No.</u>	<u>Page</u>
<b>SYSTEM BOARDS</b>			
80286 System	001226	117469-001	B3/84
<b>MEMORY BOARDS</b>			
4MB Memory Module	000758/000993/ 001166-001/002	113226-001	X
1MB Memory Module	000762/000981/ 001256 001259	113225-001	X
1MB 16-Bit Mem Exp	001244	117471-001	84
4MB 16-Bit Mem Exp	001247	117470-001	85
<b>CONTROLLER BOARDS</b>			
Tape Adapter	000774	113259-001	A-3
ESDI External 300/600	001091	115839-001	A-3
15 MHz ESDI Cntrl	001283/001628	115188-001	A-4
ESDI/Diskette Cntrl	001472	115374-001	A-4
<b>VIDEO BOARDS</b>			
Advanced Graphics 1024	109958	114201-001	A-8
Advanced Graphics Memory	109959	114202-001	X
VGA Pass-Through	001430	114241-001	X
<b>MISCELLANEOUS</b>			
Serial/Parallel Interface	000570	106886-001	A-8
Serial/Parallel Interface	000990	106886-001	A-9
2400-Baud Int Modem	001070	112693-001	X

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### FIXED DISK DRIVES

Drive Size	Drive Type	Inter-leave	Inte-grated	Min ROM	Spare Part No.	Controller Assy No.
20 MB	2	1:1	Y	B.3	114465-001	N/A
40 MB	22	1:1	Y	B.3	112526-001	N/A
40 MB	43	1:1	Y	B.3	112526-001	N/A
84 MB	27	1:1	Y	B.3	112438-001	N/A
110 MB	33	1:1	Y	B.3	112525-001	N/A
300 MB <sup>1</sup>	38	1:1	N	B.3	113219-001	001091 001283 <sup>2</sup> 001472 <sup>2</sup> 001628

<sup>1</sup> Used in Fixed Disk Expansion Unit. Requires MS-DOS 3.3 or later

<sup>2</sup> Disable diskette circuitry when using as a fixed disk drive controller

### TAPE DRIVES

Drive Size	Spare Part No.	Tape Cartridge	Spare Part No.
40/60 MB	112524-001	40 MB (DC2000)	108142-001
		60 MB	122086-001
80/120 MB	122087-001	80 MB	116966-001
		120 MB	116967-001
		135 MB (DC600 XTD)	113234-001
135 MB	112523-001	135 MB (DC600 XTD)	113234-001
150/250 MB	115220-001	150 MB (DC600 XTD)	113234-001
		250 MB	115298-001

### DISKETTE DRIVES

Size	Spare Part No.
360 KB	112567-001
1.2 MB	112566-001
1.44 MB*	112565-001

\* 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.

### CABLE INFORMATION

Cable Function	Used With	Spare Part No.
Diskette/Tape Signal	All Diskette Drives 40/60-MB Tape	113594-001
Mass Storage Power	All Diskette & Tape Drives	113596-001 112669-003
Mass Storage Power	All Internal FDD Drive C	101741-001
Mass Storage Power	All Internal FDD Drive D	101741-004
Tape Signal	135-, 150/250- & 80/120-MB Tape	113198-002
FDD Signal	All Internal FDD Drive C	113595-001
FDD Signal	All Internal FDD Drive D	112528-001
External I/O	Expansion Unit	115810-001
Telephone Cable	Modem	112668-001
VGA Pass-Through	Adv Graphics	114229-001

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### BOARD JUMPER/SWITCH SETTINGS

#### SYSTEM BOARD (001226)

##### SW1 SETTINGS

1	2	3	4	5	6	Function
ON*	ON*					Base Memory 640 KB
ON	OFF					Base Memory 512 KB
OFF	OFF					Base Memory 256 KB
OFF	ON					Reserved
		ON				Option ROM enable
		OFF*				Option ROM disable
			ON*			CPU boot speed 12 MHz except 8 MHz when accessing diskette drive
			OFF			CPU boot speed 12 MHz
				OFF		Reserved
					ON*	EGA, RGBI, or VGC
					OFF	3rd-party monochrome (MDA only)

\* Default

#### SYSTEM BOARD (001226)

##### SW2 SETTINGS

1	2	3	4	5	6	7	8	Function
OFF*								Primary diskette & fixed disk drive address select (3FX & 1FX)
ON								Secondary diskette & fixed disk drive address select (37X & 17X)
	OFF*							Enable power-on pass- word
	ON							Disable power-on pass- word
		OFF*						Enable integrated fixed disk drive controller
		ON						Disable integrated fixed disk drive controller
			OFF*	OFF*				Serial interface COM1 (3FX, IRQ4)
			ON	OFF				Serial interface COM2 (2FX, IRQ3)
			OFF	ON				Reserved
			ON	ON				Disable serial interface
					ON*	OFF*		Select printer interface LPT1 or LPT2 (38X)
					OFF	ON		Select printer interface LPT2 (37X)
					OFF	OFF		Reserved
					ON	ON		Disable printer interface
							ON	Disable integrated VGC
							OFF*	Enable integrated VGC

\* Default

Continued

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## COMPAQ DESKPRO 286e

### BOARD JUMPER/SWITCH SETTINGS

#### SYSTEM BOARD (001226)

Jumper	Setting	Function
E4	1-2	Enable IRQ12 from bus, disable pointing device
E4	2-3*	Enable pointing device interface
E11	1-2	8-MHz coprocessor
E11	2-3*	12-MHz coprocessor

\* Default

#### EXTENDED/EXPANDED MEMORY JUMPER SETTINGS

JUMPERS	MEMORY EXPANSION OPTION	EXTENDED	EXPANDED	EXTENDED MEMORY	EXPANDED MEMORY
E9 E8 E7	MODULE B	1-2	2-3	E9 E8 E7	MODULE B
E6 E5 E4	MODULE A	1-2	2-3	E6 E5 E4	MODULE A
E3 E2 E1	MEMORY EXPANSION BOARD	1-2	2-3	E3 E2 E1	MEMORY EXPANSION BOARD DEFAULT

Mem Exp Bd	Mem Mod A	Mem Mod B	1-MB Expansion Board (001244) Jumper Settings			Total Mem	Ext Mem	Exp Mem
			E1-E3	E4-E6	E7-E9			
1 MB			1-2 EXT	2-3*	2-3*	2 MB	1 MB	
			2-3 EXP	2-3*	2-3*	2 MB		1 MB
1 MB	1 MB		1-2 EXT	1-2 EXT	2-3*	3 MB	2 MB	
			1-2 EXT	2-3 EXP	2-3*	3 MB	1 MB	1 MB
			2-3 EXP	2-3 EXP	2-3*	3 MB		2 MB
1 MB	1 MB	1 MB	1-2 EXT	1-2 EXT	1-2 EXT	4 MB	3 MB	
			1-2 EXT	1-2 EXT	2-3 EXP	4 MB	2 MB	1 MB
			1-2 EXT	2-3 EXP	2-3 EXP	4 MB	1 MB	2 MB
1 MB	4 MB		1-2 EXT	1-2 EXT	2-3*	6 MB	5 MB	
			1-2 EXT	2-3 EXP	2-3*	6 MB	1 MB	4 MB
			2-3 EXP	2-3 EXP	2-3*	6 MB		5 MB
1 MB	1 MB	4 MB	1-2 EXT	1-2 EXT	1-2 EXT	7 MB	6 MB	
			1-2 EXT	1-2 EXT	2-3 EXP	7 MB	2 MB	4 MB
			1-2 EXT	2-3 EXP	2-3 EXP	7 MB	1 MB	5 MB
1 MB	4 MB	1 MB	1-2 EXT	1-2 EXT	1-2 EXT	7 MB	6 MB	
			1-2 EXT	1-2 EXT	2-3 EXP	7 MB	5 MB	1 MB
			1-2 EXT	2-3 EXP	2-3 EXP	7 MB	1 MB	5 MB
1 MB	4 MB	4 MB	1-2 EXT	1-2 EXT	1-2 EXT	10 MB	9 MB	
			1-2 EXT	1-2 EXT	2-3 EXP	10 MB	5 MB	4 MB
			1-2 EXT	2-3 EXP	2-3 EXP	10 MB	1 MB	8 MB

\* Default

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## COMPAQ DESKPRO 286e

### EXTENDED/EXPANDED MEMORY JUMPER SETTINGS (Cont'd)

Mem Exp Bd	Mem Mod A	Mem Mod B	4-MB Expansion Board (001247) Jumper Settings			Total Mem	Ext Mem	Exp Mem
			E1-E3	E4-E6	E7-E9			
4 MB			1-2 EXT	2-3*	2-3*	5 MB	4 MB	
			2-3 EXP	2-3*	2-3*	5 MB		4 MB
4 MB	1 MB		1-2 EXT	1-2 EXT	2-3*	6 MB	5 MB	
			1-2 EXT	2-3 EXP	2-3*	6 MB	4 MB	1 MB
			2-3 EXP	2-3 EXP	2-3*	6 MB		5 MB
4 MB	1 MB	1 MB	1-2 EXT	1-2 EXT	1-2 EXT	7 MB	6 MB	
			1-2 EXT	1-2 EXT	2-3 EXP	7 MB	5 MB	1 MB
			1-2 EXT	2-3 EXP	2-3 EXP	7 MB	4 MB	2 MB
4 MB	4 MB		1-2 EXT	1-2 EXT	2-3*	9 MB	8 MB	
			1-2 EXT	2-3 EXP	2-3*	9 MB	4 MB	4 MB
			2-3 EXP	2-3 EXP	2-3*	9 MB		8 MB
4 MB	1 MB	4 MB	1-2 EXT	1-2 EXT	1-2 EXT	10 MB	9 MB	
			1-2 EXT	1-2 EXT	2-3 EXP	10 MB	5 MB	4 MB
			1-2 EXT	2-3 EXP	2-3 EXP	10 MB	4 MB	5 MB
4 MB	4 MB	1 MB	1-2 EXT	1-2 EXT	1-2 EXT	10 MB	9 MB	
			1-2 EXT	1-2 EXT	2-3 EXP	10 MB	8 MB	1 MB
			1-2 EXT	2-3 EXP	2-3 EXP	10 MB	4 MB	5 MB
4 MB	4 MB	4 MB	1-2 EXT	1-2 EXT	1-2 EXT	13 MB	12 MB	
			1-2 EXT	1-2 EXT	2-3 EXP	13 MB	8 MB	4 MB
			1-2 EXT	2-3 EXP	2-3 EXP	13 MB	4 MB	8 MB

\* Default

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## COMPAQ DESKPRO 286e

### PROCESSOR/COPROCESSOR LOCATIONS

PROCESSOR (80286-12)	COPROCESSOR (80287-8 or 80C287-12)
U102	U124

### SYSTEM ROM INFORMATION

#### SYSTEM ROM LOCATIONS

System Board Assy	System ROM Locations
001226	U78 ODD U61 EVEN

#### SYSTEM ROM REVISIONS (Spare Part No. 117481-001)

Rev.	PN on ODD ROM	PN on EVEN ROM
B.3	117507-003	117508-003
C.1	117507-004	117508-004
C.3	117507-005	117508-005

### POWER SUPPLY

Spare Part No. 112570-001

### BATTERY/CLOCK MODULE

Spare Part No. 107872-001



MEMORY MODULE  
113131-001



MEMORY MODULE  
113132-001

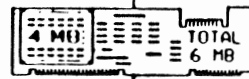
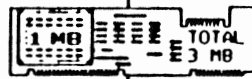
1 Megabyte 16 Bit  
Memory Expansion Board  
117428-001

Total Memory: 1 Megabyte

SYSTEM BOARD



4 Megabyte 16 Bit  
Memory Expansion Board  
117429-001



## COMPAQ DESKPRO 286e MEMORY UPGRADE CHART