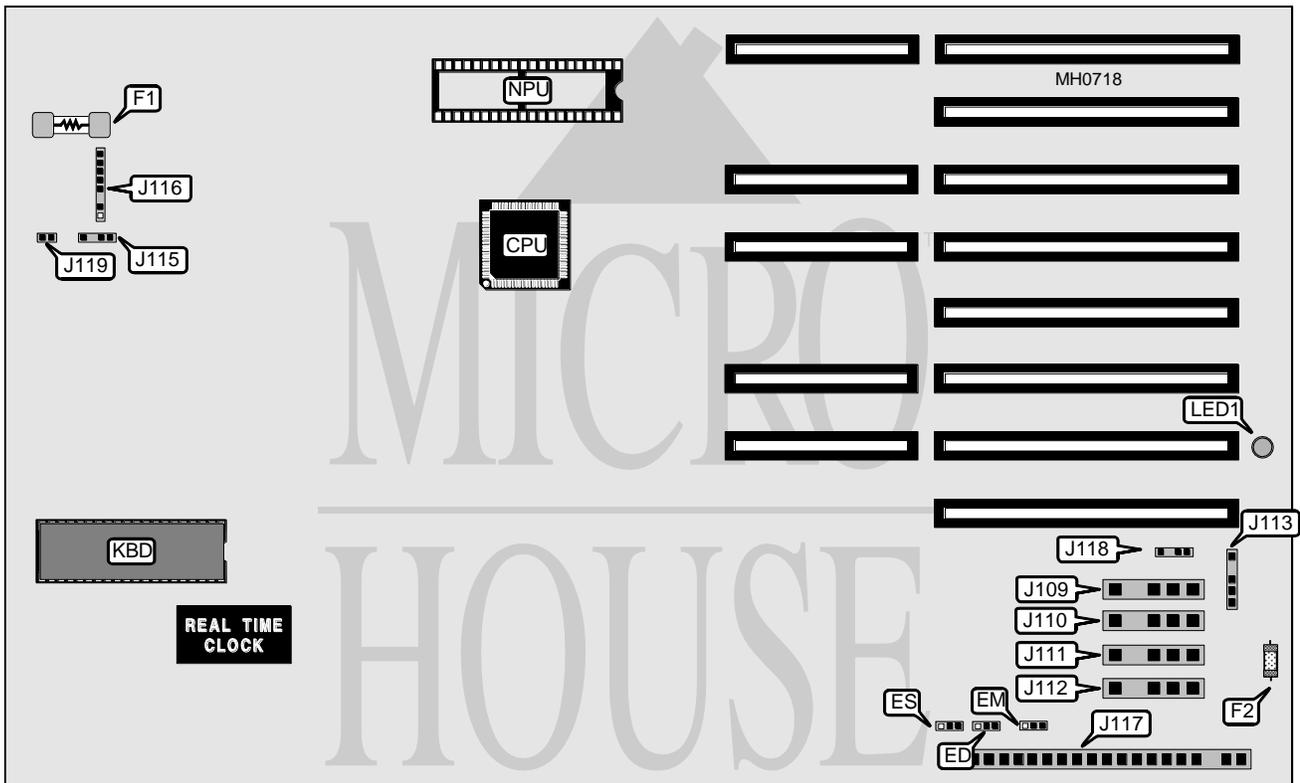


# COMPAQ COMPUTER CORPORATION DESKPRO 286 (VERSION 1)

<b>Processor</b>	80286
<b>Processor Speed</b>	8MHz
<b>Chip Set</b>	ETEQ
<b>Max. Onboard DRAM</b>	2.125MB (on system memory card)
<b>Cache</b>	None
<b>BIOS</b>	Compaq
<b>Dimensions</b>	330mm x 218mm
<b>I/O Options</b>	Proprietary system memory card
<b>NPU Options</b>	80287



CONNECTIONS			
Purpose	Location	Purpose	Location
Keyboard power fuse	F1	Speaker	J115
Monitor power fuse	F2	Proprietary keyboard plug	J116
Fixed drive power	J109	Main power	J117
Fixed drive/tape backup power	J110	External battery	J118
Floppy drive power	J111	Keylock	J119
Floppy drive power	J112	Onboard power LED	LED1
Monitor power	J113		

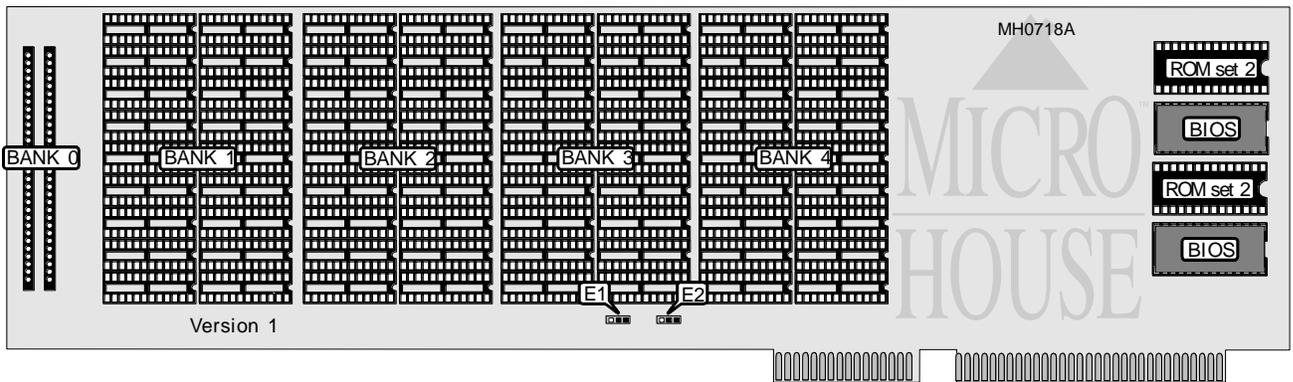
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# COMPAQ COMPUTER CORPORATION DESKPRO 286 (VERSION 1)

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USER CONFIGURABLE SETTINGS		
Function	Jumper	Position
í Monitor type select Compaq graphics/color	ED	pins 2 & 3 closed
Monitor type select monochrome other than Compaq	ED	pins 1 & 2 closed
í Factory configured - do not alter	EM	pins 1 & 2 closed
í CPU speed select switchable at keyboard	ES	pins 1 & 2 closed
CPU speed select forced slow	ES	pins 2 & 3 closed

## SYSTEM MEMORY CARD (VERSION 1)



ROM JUMPER CONFIGURATION				
ROM type	Size	Speed	BIOS ROM / Jumper block E	ROM set 2 / Jumper block E
Static	8K x 8	250ns	pins 7&8, 10&11, 13&14 closed	pins 1&2, 4&5, 22&23 closed
1 Static	16K x 8	250ns	pins 8&9, 10&11, 13&14 closed	pins 2&3, 4&5, 22&23 closed
Static	32K x 8	250ns	pins 8&9, 11&12, 13&14 closed	pins 2&3, 5&6, 22&23 closed
Dynamic	8K x 8	150ns	pins 7&8, 10&11, 14&15 closed	pins 1&2, 4&5, 20&21 closed
Dynamic	16K x 8	150ns	pins 8&9, 10&11, 14&15 closed	pins 2&3, 4&5, 20&21 closed
2 Dynamic	32K x 8	150ns	pins 8&9, 11&12, 14&15 closed	pins 2&3, 5&6, 20&21 closed

Note: Settings are accomplished by cutting the conductors on the bottom of the board and re-soldering the indicated locations.  
 1) Default for BIOS ROM  
 2) Default for ROM set 2

**WARNING: Modifying the factory configurations will void the manufacturers warranty!**

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# COMPAQ COMPUTER CORPORATION

## DESKPRO 286 (VERSION 1)

### SYSTEM MEMORY CARD (VERSION 1 CONTINUED)

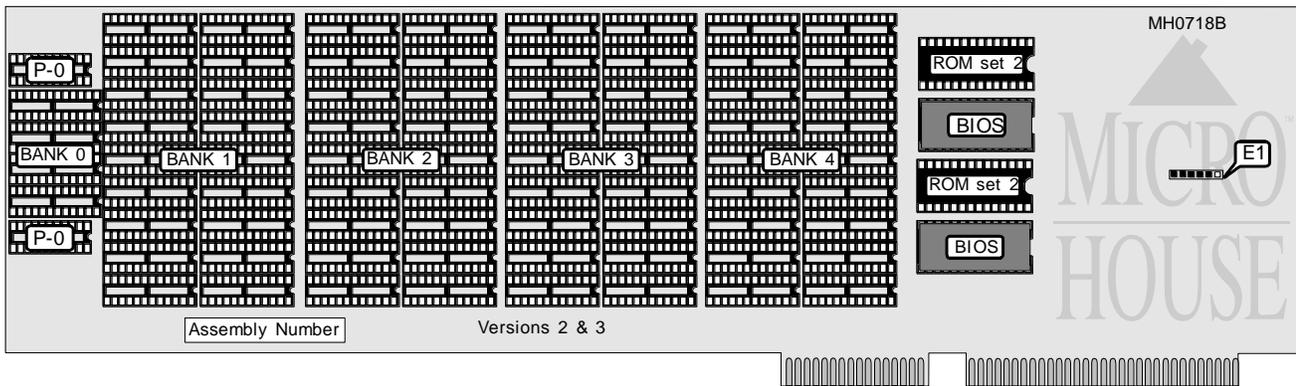
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DRAM CONFIGURATION					
Size	Bank 0	Bank 1	Bank 2	Bank 3	Bank 4
256KB	(2) 64K x 9	(18) 4164	NONE	NONE	NONE
512KB	(2) 64K x 9	(18) 4164	(18) 4164	(18) 4164	NONE
640KB	(2) 64K x 9	(18) 4164	(18) 4164	(18) 4164	(18) 4164
640KB	(2) 64K x 9	(18) 41256	NONE	NONE	NONE
1.125MB	(2) 64K x 9	(18) 41256	(18) 41256	NONE	NONE
1.625MB	(2) 64K x 9	(18) 41256	(18) 41256	(18) 41256	NONE
2.125MB	(2) 64K x 9	(18) 41256	(18) 41256	(18) 41256	(18) 41256

Note: Bank 0 is permanently affixed to the memory board and is not alterable.

DRAM JUMPER CONFIGURATION		
Size	E1	E2
256KB	pins 1 & 2 closed	pins 2 & 3 closed
512KB	pins 1 & 2 closed	pins 1 & 2 closed
640KB	pins 1 & 2 closed	pins 2 & 3 closed
640KB	pins 2 & 3 closed	pins 1 & 2 closed
1.125MB	pins 2 & 3 closed	pins 2 & 3 closed
1.625MB	pins 2 & 3 closed	pins 2 & 3 closed
2.125MB	pins 2 & 3 closed	pins 2 & 3 closed

### SYSTEM MEMORY CARD (VERSIONS 2 & 3)



Note: Versions 2 & 3 are differentiated by their assembly numbers  
 Version 2 has assembly #'s 000178-XXX  
 Version 3 has assembly #'s 000382-XXX

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COMPAQ COMPUTER CORPORATION  
 DESKPRO 286 (VERSION 1)  
 SYSTEM MEMORY CARD (VER. 2&3 CONTINUED)

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DRAM CONFIGURATION						
Size	Bank 0	P-0	Bank 1	Bank 2	Bank 3	Bank 4
256KB	(4) 4464	(2) 4164	(18) 4164	NONE	NONE	NONE
512KB	(4) 4464	(2) 4164	(18) 4164	(18) 4164	(18) 4164	NONE
640KB	(4) 4464	(2) 4164	(18) 4164	(18) 4164	(18) 4164	(18) 4164
* 640KB	(4) 4464	(2) 4164	(18) 41256	NONE	NONE	NONE
1.125MB	(4) 4464	(2) 4164	(18) 41256	(18) 41256	NONE	NONE
1.625MB	(4) 4464	(2) 4164	(18) 41256	(18) 41256	(18) 41256	NONE
2.125MB	(4) 4464	(2) 4164	(18) 41256	(18) 41256	(18) 41256	(18) 41256

Notes: Version 3 of the system memory board does not support the second 640KB configuration using (18) 41256 chips in bank 1.  
 Bank 0 is permanently affixed to the memory board and is not alterable.

DRAM JUMPER CONFIGURATION		
Size	Version 2 E1	Version 3 E1
256KB	pins 1 & 2 and 4 & 5 closed	pins 2 & 3 and 4 & 5 closed
512KB	pins 1 & 2 and 4 & 5 closed	pins 1 & 2 and 4 & 5 closed
640KB	pins 1 & 2 and 5 & 6 closed	pins 1 & 2 and 5 & 6 closed
640KB	pins 2 & 3 and 4 & 5 closed	N/A
1.125MB	pins 2 & 3 and 5 & 6 closed	pins 2 & 3 and 5 & 6 closed
1.625MB	pins 2 & 3 and 5 & 6 closed	pins 2 & 3 and 5 & 6 closed
2.125MB	pins 2 & 3 and 5 & 6 closed	pins 2 & 3 and 5 & 6 closed

ROM JUMPER CONFIGURATION				
ROM type	Size	Speed	BIOS ROM/Jumper Block E2	ROM set 2/Jumper Block E3
Static	8K x 8	250ns	pins 1&2, 4&5, 7&8 closed	pins 1&2, 4&5, 7&8 closed
1 Static	16K x 8	250ns	pins 2&3, 4&5, 7&8 closed	pins 2&3, 4&5, 7&8 closed
Static	32K x 8	250ns	pins 2&3, 5&6, 7&8 closed	pins 2&3, 5&6, 7&8 closed
Dynamic	8K x 8	150ns	pins 1&2, 4&5, 8&9 closed	pins 1&2, 4&5, 8&9 closed
Dynamic	16K x 8	150ns	pins 2&3, 4&5, 8&9 closed	pins 2&3, 4&5, 8&9 closed
2 Dynamic	32K x 8	150ns	pins 2&3, 5&6, 8&9 closed	pins 2&3, 5&6, 8&9 closed

Notes: Settings are accomplished by cutting the conductors on the bottom of the board and re-soldering the indicated locations.  
 1) Default for BIOS ROM  
 2) Default for ROM set 2

WARNING: Modifying the factory configurations will void the manufacturers warranty!