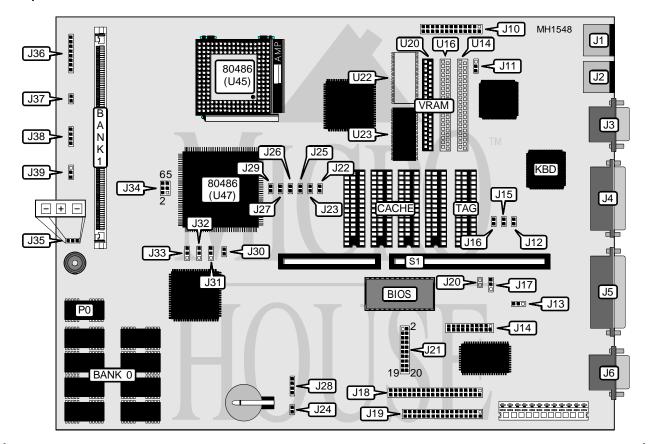
Processor	80486SX/80487SX/80486DX/ODP486SX/80486DX2
Processor Speed	20/25/33/40/50(internal)/66(internal)MHz
Chip Set	ACC
Max. onboard DRAM	36MB
SRAM Cache	32/128/512KB
BIOS	Phoenix
Dimensions	330mm x 240mm
I/O Options	Fax/modem daughterboard, floppy drive interface, game port, IDE interface, multi-function connector (IDE interface LED, reset, keylock, turbo switch, turbo-LED, non-turbo LED), parallel port, PS/2 keyboard port, PS/2 mouse port, serial port, VGA port, video feature connector
NPU Options	None



CONNECTIONS				
Purpose Location Purpose			Location	
PS/2 keyboard	J1	Floppy drive interface	J19	
PS/2 mouse	J2	Proprietary fax/modem daughterboard	J21	
VGA port	J3	External battery	J28	
Game port	J4	External fan power (+12V DC)	J35	
Parallel port	J5	Multi-function connector	J36	
Serial port	J6	Keylock	J37	
Video feature connector	J10	Speaker	J38	
Audio interface connector (unused)	J14	Riser card	S1	
IDE interface	J18			

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USER CONFIGURABLE SETTINGS				
Function	Jumper/Switch	Position		
í Onboard Game port enabled	J15	Closed		
Onboard Game port disabled	J15	Open		
í PS/2 mouse port enabled (IRQ12)	J27	Closed		
PS/2 mouse port disabled	J27	Open		
í Monitor type select color	J12	Closed		
Monitor type select monochrome	J12	Open		
í Onboard I/O ports enabled	J16	Closed		
Onboard I/O ports disabled	J16	Open		
í Hard drive boot from DOS boot block	J17	pins 2 & 3 closed		
Hard drive boot from custom boot block	Hard drive boot from custom boot block J17 pins 1 & 2 close			
í Flash BIOS write protect enabled J20 Open				
Flash BIOS write protect disabled	J20	Closed		
í Onboard battery enabled	J24	Closed		
Onboard battery disabled	J24	Open		
í Speaker select internal	J39	pins 1 & 2 closed		
Speaker select external J39 pins 2 & 3 closed				
Note: Parallel port, serial port, floppy drive interface, and IDE interface are configured through the BIOS setup options.				
J20 is only a trace, and has not been implemented in any production models of the board.				

DRAM CONFIGURATION (NO MEMORY SOLDERED TO BOARD)			
Size Bank 0			
2MB	(1) 512K x 36		
4MB	(1) 1M x 36		
8MB	(1) 2M x 36		
16MB	(1) 4M x 36		
32MB	(1) 8M x 36		

DRAM CONFIGURATION (4MB OF MEMORY SOLDERED TO BOARD)						
Size	Size Bank O Parity O (PO) Bank 1					
4MB	(8) 441000	(1) 441000	NONE			
6MB	(8) 441000	(1) 441000	(1) 512K x 36			
8MB	(8) 441000	(1) 441000	(1) 1M x 36			
12MB	(8) 441000	(1) 441000	(1) 2M x 36			
20MB	(8) 441000	(1) 441000	(1) 4M x 36			
36MB	(8) 441000	(1) 441000	(1) 8M x 36			
Note: Bank 0 is soldered to the board.						

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ONBOARD VIDEO CONFIGURATION				
Onboard Video IRQ J11 J22				
í Enabled IRQ9 pins 2 & 3 closed Closed				
Enabled None pins 2 & 3 closed Open				
Disabled N/A pins 1 & 2 closed N/A				

	VRAM CONFIGURATION					
	Size	Bank 0 (U23)	Bank 1 (U20)	Bank 1 (U22)		
	512KB	(1) 256K x 16 DIP	NONE	NONE		
1MB	1MB factory installed (1) 256K x 16 DIP NONE (1) 256K x 16 DIP					
1M	1MB user installed (1) 256K x 16 DIP (1) 256K x 16 ZIP NONE					
Note:	Note: If board is factory installed with 1MB of VRAM, a second 256K x 16 DIP will soldered on the board at U22.					
If board is factory configured with 512KB of VRAM, U22 will only be a trace, and a 40-pin ZIP socket will be						
installed at location U20. If the ZIP socket is present, there will also be traces for 2 additional zip sockets						
	at U14 and U16. Sockets installed on ZIP socket traces will not function.					

PARALLEL PORT IRQ CONFIGURATION			
IRQ J13			
í IRQ7	pins 1 & 2 closed		
IRQ5 pins 2 & 3 closed			

	C	PU TYPE CONFIGURATIO	N	
CPU	Туре	Location	J29	J34
80486SX	PQFP	U47	Open	pins 1 & 3, 2 & 4
80487SX	PGA	U45	Open	pins 1 & 3, 2 & 4
80486DX	PGA	U45	Open	pins 3 & 5, 4 & 6
ODPR486SX-25MHz	PGA	U45	Closed	pins 3 & 5, 4 & 6
ODP486SX-33MHz	PGA	U45	Closed	pins 1 & 3, 4 & 6
80486DX2	PGA	U45	Closed	pins 3 & 5, 4 & 6
Note: Pins designated sh	ould be in the clos	ed position.		

CPU SPEED CONFIGURATION						
Speed J23 J25 J26						
20MHz Closed Open Open						
25/50i MHz Open Closed Closed						
33/66i MHz	Open	Closed	Open			
40MHz						

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CACHE CONFIGURATION				
Size	Cache	TAG		
í 32KB	(4) 8K x 8	(1) 8K x 8		
128KB	(4) 32K x 8	(1) 32K x 8		
512KB	(4) 128K x 8	(1) 128K x 8		

CACHE JUMPER CONFIGURATION				
Size	J30	J31	J32	J33
í 32KB Open pins 1 & 2 closed pins 1 & 2 closed pins 1 & 2 closed				
128KB	Closed	pins 2 & 3 closed	pins 2 & 3 closed	pins 1 & 2 closed
512KB	Closed	pins 2 & 3 closed	pins 2 & 3 closed	pins 2 & 3 closed