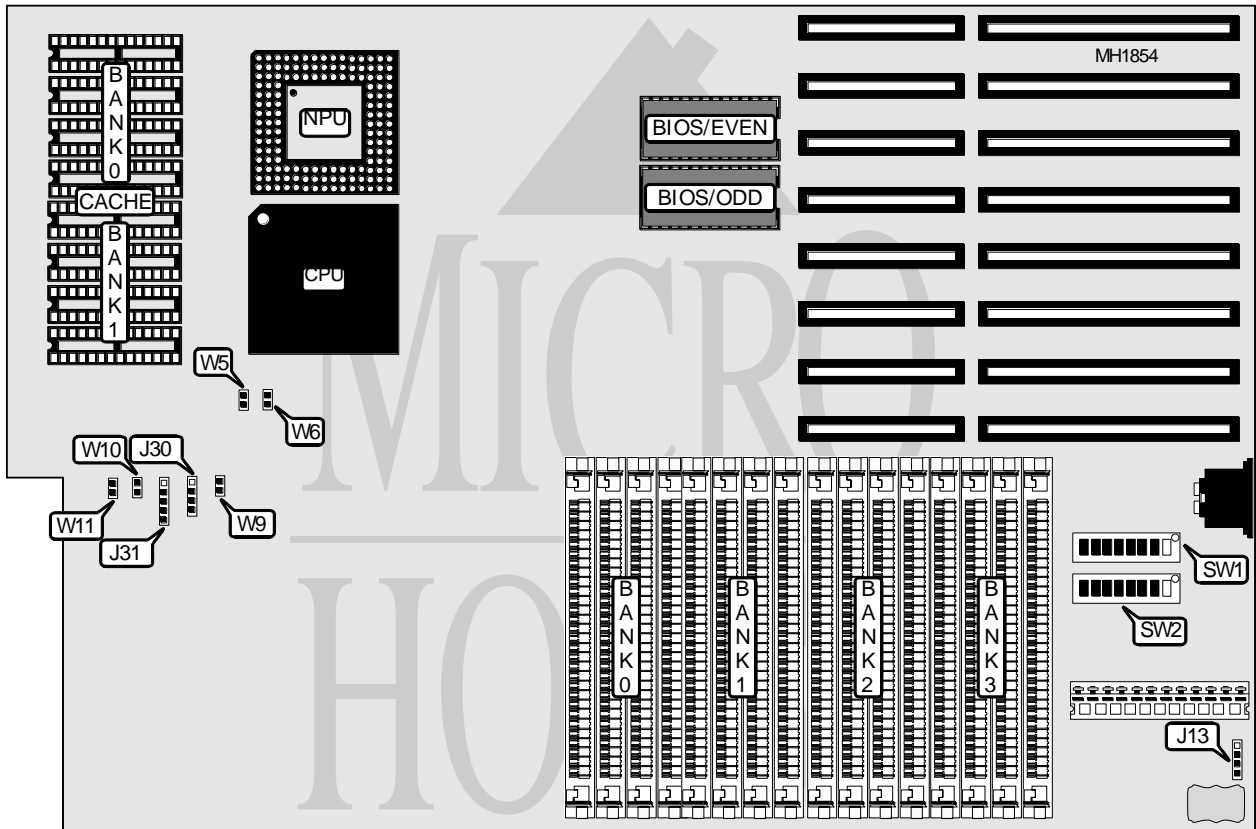


# MICRONICS COMPUTERS, INC. 80486 ASIC SYSTEM BOARD

**Processor** 80486DX  
**Processor Speed** 33MHz  
**Chip Set** Micronics  
**Max. Onboard DRAM** 64MB  
**Cache** 64/128/256KB  
**BIOS** Phoenix  
**Dimensions** 330mm x 218mm  
**I/O Options** None  
**NPU Options** 4167



CONNECTIONS			
Purpose	Location	Purpose	Location
External battery connector	J13	Turbo LED	W9
Speaker	J30	Reset switch	W10
Keylock	J31	Turbo switch	W11

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## 80486 ASIC SYSTEM BOARD

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USER CONFIGURABLE SETTINGS		
Function	Jumper/Switch	Position
i Factory configured-do not alter	SW1/1	Off
i Factory configured-do not alter	SW1/2	Off
i Factory configured-do not alter	SW1/3	Off
i Factory configured-do not alter	SW1/4	Off
i Factory configured-do not alter	SW1/5	Off
i Factory configured-do not alter	SW1/6	Off
i Video BIOS cacheable	SW1/7	Off
Video BIOS not cacheable	SW1/7	On
i Factory configured-do not alter	SW1/8	Off
i 70ns DRAM select	SW2/6	Off
80ns DRAM select	SW2/6	On
64KB or 256KB cache select	SW2/7	Off
128KB cache select	SW2/7	On
64KB cache select	SW2/8	Off
128KB or 256KB cache select	SW2/8	On

CACHE CONFIGURATION		
Size	Bank 0	Bank 1
64KB	(4) 8K x 8	(4) 8K x 8
128KB	(4) 32K x 8	None
256KB	(4) 32K x 8	(4) 32K x 8

CACHE JUMPER CONFIGURATION		
Size	W5	W6
128KB or 256KB	Closed	N/A
64KB	Open	N/A
256KB	N/A	Closed
64KB or 128KB	N/A	Open

DRAM CONFIGURATION				
Size	Bank 0	Bank 1	Bank 2	Bank 3
1MB	(4) 256KB x 9	NONE	NONE	NONE
2MB	(4) 256KB x 9	(4) 256KB x 9	NONE	NONE
3MB	(4) 256KB x 9	(4) 256KB x 9	(4) 256KB x 9	NONE
4MB	(4) 256KB x 9	(4) 256KB x 9	(4) 256KB x 9	(4) 256KB x 9
4MB	(4) 1MB X 9	NONE	NONE	NONE
5MB	(4) 256KB x 9	(4) 1MB x 9	NONE	NONE
6MB	(4) 256KB x 9	(4) 256KB x 9	(4) 1MB x 9	NONE
7MB	(4) 256KB x 9	(4) 256KB x 9	(4) 256KB x 9	(4) 1MB x 9
8MB	(4) 1MB x 9	(4) 1MB x 9	NONE	NONE
9MB	(4) 256KB x 9	(4) 1MB x 9	(4) 1MB x 9	NONE
10MB	(4) 256KB x 9	(4) 256KB x 9	(4) 1MB x 9	(4) 1MB x 9
12MB	(4) 1MB x 9	(4) 1MB x 9	(4) 1MB x 9	NONE
13MB	(4) 256KB x 9	(4) 1MB x 9	(4) 1MB x 9	(4) 1MB x 9

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**80486 ASIC SYSTEM BOARD**

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DRAM CONFIGURATION (CONTINUED)				
Size	Bank 0	Bank 1	Bank 2	Bank 3
16MB	(4) 1MB x 9	(4) 1MB x 9	(4) 1MB x 9	(4) 1MB x 9
16MB	(4) 4MB x 9	NONE	NONE	NONE
20MB	(4) 1MB x 9	(4) 4MB x 9	NONE	NONE
24MB	(4) 1MB x 9	(4) 1MB x 9	(4) 4MB x 9	NONE
28MB	(4) 1MB x 9	(4) 1MB x 9	(4) 1MB x 9	(4) 4MB x 9
32MB	(4) 4MB x 9	(4) 4MB x 9	NONE	NONE
36MB	(4) 1MB x 9	(4) 4MB x 9	(4) 4MB x 9	NONE
40MB	(4) 1MB x 9	(4) 1MB x 9	(4) 4MB x 9	(4) 4MB x 9
48MB	(4) 4MB x 9	(4) 4MB x 9	(4) 4MB x 9	NONE
52MB	(4) 1MB x 9	(4) 4MB x 9	(4) 4MB x 9	(4) 4MB x 9
64MB	(4) 4MB x 9	(4) 4MB x 9	(4) 4MB x 9	(4) 4MB x 9

DRAM SWITCH CONFIGURATION					
Size	SW2/1	SW2/2	SW2/3	SW2/4	SW2/5
1MB	On	On	On	On	On
2MB	Off	On	On	On	On
3MB	On	Off	On	On	On
4MB	Off	Off	On	On	On
4MB	On	On	Off	On	On
5MB	On	On	Off	On	On
6MB	On	Off	On	Off	On
7MB	Off	On	On	Off	On
8MB	Off	On	Off	On	On
9MB	On	Off	Off	Off	On
10MB	Off	Off	On	Off	On
12MB	On	Off	Off	On	On
13MB	Off	Off	Off	Off	On
16MB	Off	Off	Off	On	On
16MB	On	On	Off	On	Off
20MB	On	On	Off	Off	Off
24MB	On	Off	On	Off	Off
28MB	Off	On	On	Off	Off
32MB	Off	On	Off	On	Off
36MB	On	Off	Off	Off	Off
40MB	Off	Off	On	Off	Off
48MB	On	Off	Off	On	Off
52MB	Off	Off	Off	Off	Off
64MB	Off	Off	Off	On	Off