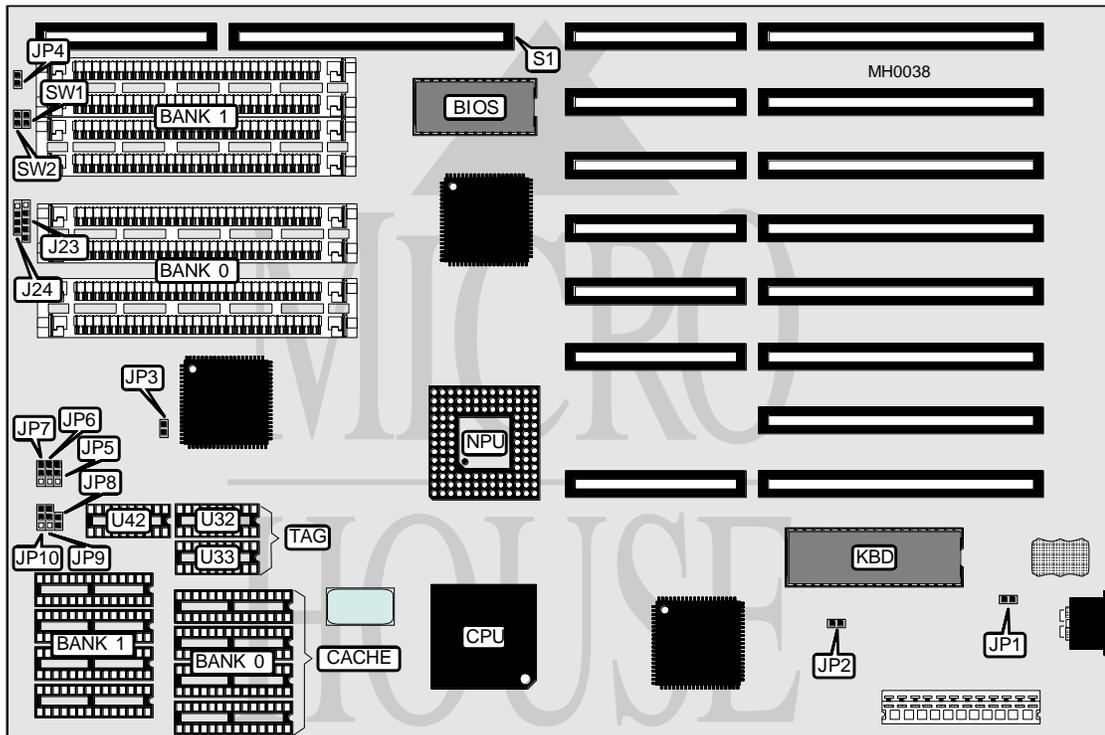


NOVACOR, INC. OPTIMUM 386WB CACHE

Processor 80386DX
Processor Speed 25/33/40MHz
Chip Set OPTI
Max. Onboard DRAM 32MB
Cache 32/64/128/256KB
BIOS AMI
Dimensions 330mm x 218mm
I/O Options 32-bit external memory card slot
NPU Options 80387/3167



CONNECTIONS			
Purpose	Location	Purpose	Location
External battery	J10	32-bit external memory card	S1
Power LED & keylock	J23	Reset switch	SW1
Speaker	J24	Turbo switch	SW2
Turbo LED	JP4		

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USER CONFIGURABLE SETTINGS

Function	Jumper	Position
í CMOS memory normal operation	JP2	pins 2 & 3 closed
CMOS memory clear	JP2	pins 1 & 2 closed
í Monitor type select color	JP1	Closed
Monitor type select monochrome	JP1	Open
í Bus speed select CPUCLK/6	JP3	Open
Bus speed select CPUCLK/8	JP3	Closed

DRAM CONFIGURATION

Size	Bank 0	Bank 1	Bank 2	Bank 3
1MB	(4) 256K x 9	NONE	NONE	NONE
2MB	(4) 256K x 9	(4) 256K x 9	NONE	NONE
3MB	(4) 256K x 9	(4) 256K x 9	(4) 256K x 9	NONE
4MB	(4) 256K x 9			
4MB	(4) 1M x 9	NONE	NONE	NONE
5MB	(4) 1M x 9	(4) 256K x 9	NONE	NONE
6MB	(4) 256K x 9	(4) 256K x 9	(4) 1M x 9	NONE
7MB	(4) 256K x 9	(4) 256K x 9	(4) 256K x 9	(4) 1M x 9
8MB	(4) 1M x 9	(4) 1M x 9	NONE	NONE
9MB	(4) 1M x 9	(4) 1M x 9	(4) 256K x 9	NONE
10MB	(4) 1M x 9	(4) 1M x 9	(4) 256K x 9	(4) 256K x 9
12MB	(4) 1M x 9	(4) 1M x 9	(4) 1M x 9	NONE
13MB	(4) 1M x 9	(4) 1M x 9	(4) 1M x 9	(4) 256K x 9
16MB	(4) 1M x 9			
16MB	(4) 4M x 9	NONE	NONE	NONE
17MB	(4) 4M x 9	(4) 256K x 9	NONE	NONE
18MB	(4) 256K x 9	(4) 256K x 9	(4) 4M x 9	NONE
19MB	(4) 256K x 9	(4) 256K x 9	(4) 256K x 9	(4) 4M x 9
20MB	(4) 4M x 9	(4) 1M x 9	NONE	NONE
21MB	(4) 4M x 9	(4) 1M x 9	(4) 256K x 9	NONE
22MB	(4) 4M x 9	(4) 1M x 9	(4) 256K x 9	(4) 256K x 9
24MB	(4) 1M x 9	(4) 1M x 9	(4) 4M x 9	NONE
25MB	(4) 1M x 9	(4) 1M x 9	(4) 256K x 9	(4) 4M x 9
28MB	(4) 1M x 9	(4) 1M x 9	(4) 1M x 9	(4) 4M x 9
32MB	(4) 4M x 9	(4) 4M x 9	NONE	NONE
33MB	(4) 4M x 9	(4) 4M x 9	(4) 256K x 9	NONE
34MB	(4) 4M x 9	(4) 4M x 9	(4) 256K x 9	(4) 256K x 9
36MB	(4) 4M x 9	(4) 4M x 9	(4) 1M x 9	NONE
37MB	(4) 4M x 9	(4) 4M x 9	(4) 1M x 9	(4) 256K x 9
40MB	(4) 4M x 9	(4) 4M x 9	(4) 1M x 9	(4) 1M x 9
48MB	(4) 4M x 9	(4) 4M x 9	(4) 4M x 9	NONE
49MB	(4) 4M x 9	(4) 4M x 9	(4) 4M x 9	(4) 256K x 9
52MB	(4) 4M x 9	(4) 4M x 9	(4) 4M x 9	(4) 1M x 9
64MB	(4) 4M x 9			

Note: Banks 2 & 3 are used when a 32-bit external memory card is installed.

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CACHE CONFIGURATION				
Size	Cache	Location	Tag (U32 & U33)	Tag (U42)
32KB	(4) 8K x 8	NONE	(2) 4K x 4	(1) 4K x 4
64KB	(4) 8K x 8	(4) 8K x 8	(2) 4K x 4	(1) 4K x 4
128KB	(4) 32K x 8	NONE	(2) 16K x 4	(1) 16K x 4
256KB	(4) 32K x 8	(4) 32K x 8	(2) 16K x 4	(1) 16K x 4

CACHE JUMPER CONFIGURATION						
Size	JP5	JP6	JP7	JP8	JP9	JP10
32KB	1 & 2	1 & 2	1 & 2	Open	2 & 3	2 & 3
64KB	2 & 3	1 & 2	1 & 2	Open	2 & 3	1 & 2
128KB	2 & 3	1 & 2	2 & 3	Closed	2 & 3	1 & 2
256KB	2 & 3	2 & 3	2 & 3	Closed	1 & 2	1 & 2

Note: Pins designated should be in the closed position.