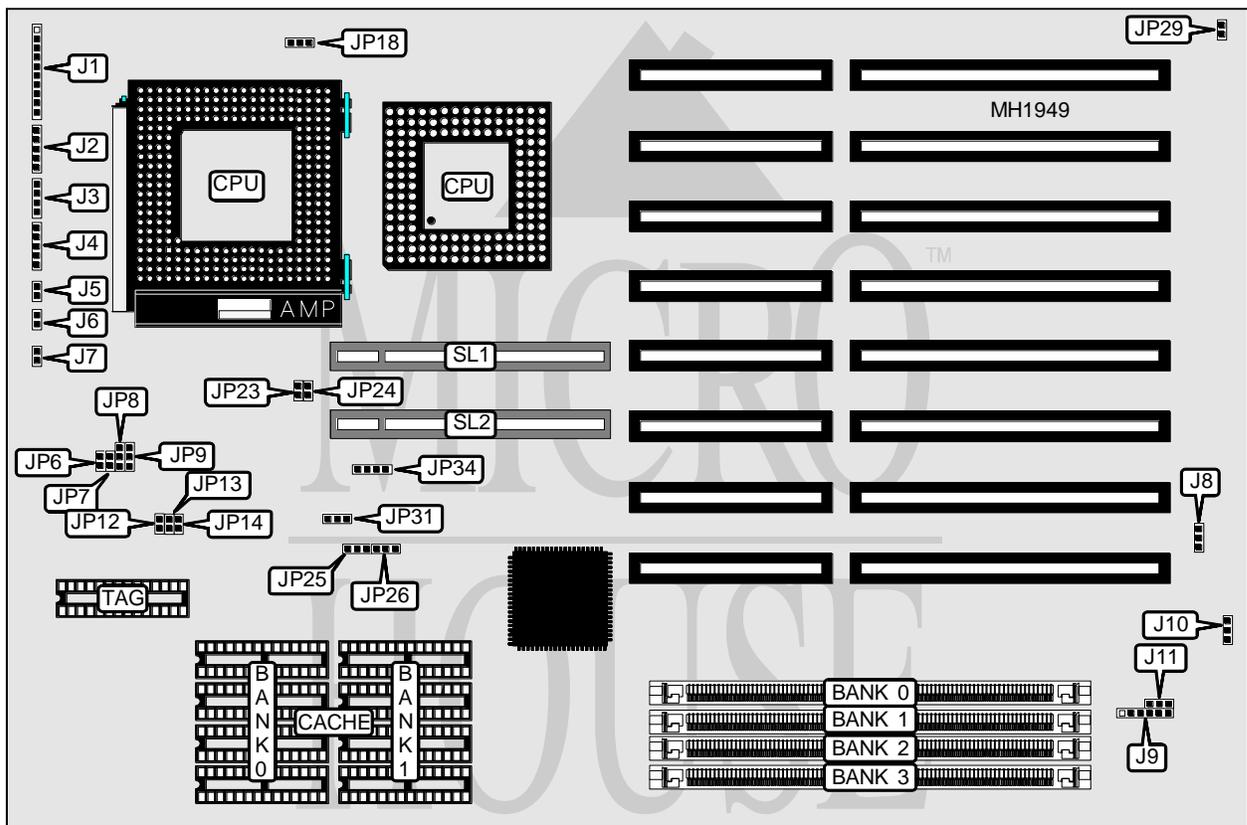


# DIAMOND FLOWER, INC. 486-OCV PLUS

**Processor** 80486SX/80486DX/80486DX2/Pentium Overdrive  
**Processor Speed** 25/33/40/50(internal)/50/66(internal)/66MHz  
**Chip Set** Opti  
**Max. Onboard DRAM** 64MB  
**Cache** 64/128/256KB  
**BIOS** AMI  
**Dimensions** 330mm x 218mm  
**I/O Options** 32-bit VESA local bus slots (2)



CONNECTIONS			
Purpose	Location	Purpose	Location
Diagnostic LCD port	J1	Turbo switch	J7
Keyboard connector	J2	Reset switch	J8
Speaker	J3	PS/2 mouse port	J9
Power LED & keylock	J4	External battery	J10
Turbo LED	J5	32-bit VESA Local bus slots	SL1, SL2
Reset switch	J6		

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USER CONFIGURABLE SETTINGS		
Function	Jumper	Position
í CMOS memory normal operation (External Battery)	J11	pins 1,2,3 open
CMOS memory normal operation (Internal Battery)	J11	pins 1 & 2 closed
CMOS memory clear	J11	pins 2 & 3 closed
í Factory configured - do not alter	JP13	Open
í Factory configured - do not alter	JP14	Closed
í Factory configured - do not alter	JP26	pins 1 & 2 closed
í Monitor type select color	JP29	Closed
Monitor type select monochrome	JP29	Open
í Factory configured - do not alter	JP31	pins 1 & 2 closed

DRAM CONFIGURATION				
Size	Bank 0	Bank 1	Bank 2	Bank 3
1MB	(1) 256K x 36	NONE	NONE	NONE
2MB	(1) 256K x 36	(1) 256K x 36	NONE	NONE
2MB	(1) 512K x 36	NONE	NONE	NONE
4MB	(1) 1M x 36	NONE	NONE	NONE
5MB	(1) 256K x 36	(1) 1M x 36	NONE	NONE
6MB	(1) 2M x 36	(1) 256K x 36	(1) 1M x 36	NONE
6MB	(1) 512K x 36	NONE	(1) 1M x 36	NONE
8MB	(1) 1M x 36	(1) 1M x 36	NONE	NONE
8MB	(4) 2M x 36	NONE	NONE	NONE
9MB	(1) 1M x 36	(1) 1M x 36	(1) 256K x 36	NONE
9MB	(4) 2M x 36	NONE	(1) 256K x 36	NONE
12MB	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36	NONE
12MB	(4) 2M x 36	NONE	(1) 1M x 36	NONE
13MB	(1) 256K x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
13MB	(1) 256K x 36	(1) 1M x 36	(1) 2M x 36	NONE
16MB	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
16MB	(4) 4M x 36	NONE	NONE	NONE
16MB	(4) 2M x 36	NONE	(1) 2M x 36	NONE
18MB	(1) 256K x 36	(1) 256K x 36	(1) 4M x 36	NONE
18MB	(1) 512K x 36	NONE	(1) 4M x 36	NONE
20MB	(1) 1M x 36	(1) 4M x 36	NONE	NONE
20MB	(1) 4M x 36	(1) 1M x 36	NONE	NONE
24MB	(1) 1M x 36	(1) 1M x 36	(1) 4M x 36	NONE
24MB	(1) 2M x 36	NONE	(1) 4M x 36	NONE
24MB	(1) 1M x 36	(1) 4M x 36	(1) 4M x 36	NONE
24MB	(1) 4M x 36	(1) 1M x 36	(1) 4M x 36	NONE
28MB	(1) 1M x 36	(1) 1M x 36	(1) 4M x 36	(1) 1M x 36
28MB	(1) 2M x 36	NONE	(1) 4M x 36	(1) 1M x 36
28MB	(1) 1M x 36	(1) 4M x 36	(1) 1M x 36	(1) 1M x 36
28MB	(1) 1M x 36	(1) 4M x 36	(1) 2M x 36	NONE
28MB	(1) 4M x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
28MB	(1) 4M x 36	(1) 1M x 36	(4) 2M x 36	NONE
32MB	(1) 4M x 36	(1) 4M x 36	NONE	NONE

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DRAM CONFIGURATION				
Size	Bank 0	Bank 1	Bank 2	Bank 3
32MB	(1) 8M x 36	NONE	NONE	NONE
34MB	(1) 256K x 236	(1) 256K x 236	(1) 4M x 36	(1) 4M x 36
34MB	(1) 512K x 36	NONE	(1) 8M x 36	NONE
36MB	(1) 1M x 36	(1) 4M x 36	(1) 4M x 36	NONE
36MB	(1) 4M x 36	(1) 1M x 36	(1) 4M x 36	NONE
36MB	(1) 4M x 36	(1) 4M x 36	(1) 1M x 36	NONE
36MB	(1) 8M x 36	NONE	(1) 1M x 36	NONE
40MB	(1) 1M x 36	(1) 1M x 36	(1) 4M x 36	(1) 4M x 36
40MB	(4) 2M x 36	NONE	(1) 8M x 36	NONE
40MB	(1) 1M x 36	(1) 4M x 36	(1) 4M x 36	(1) 1M x 36
40MB	(1) 4M x 36	(1) 1M x 36	(1) 4M x 36	(1) 1M x 36
40MB	(1) 4M x 36	(1) 4M x 36	(1) 1M x 36	(1) 1M x 36
40MB	(1) 8M x 36	NONE	(1) 2M x 36	NONE
48MB	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36	NONE
48MB	(1) 8M x 36	NONE	(1) 4M x 36	NONE
52MB	(1) 1M x 36	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36
52MB	(1) 1M x 36	(1) 4M x 36	(1) 8M x 36	NONE
52MB	(1) 4M x 36	(1) 1M x 36	(1) 4M x 36	(1) 4M x 36
52MB	(1) 4M x 36	(1) 1M x 36	(1) 8M x 36	NONE
52MB	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36	(1) 1M x 36
52MB	(4) 8M x 36	NONE	(1) 4M x 36	(1) 1M x 36
64MB	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36
64MB	(1) 8M x 36	NONE	(1) 8M x 36	NONE

CPU SPEED SELECTION		
Speed	JP12	JP25
25MHz	Open	pins 2 & 3 closed
33MHz	Closed	pins 2 & 3 closed
50iMHz	Open	pins 1 & 2 closed
50MHz	Open	pins 2 & 3 closed
66iMHz	Closed	pins 2 & 3 closed

CACHE CONFIGURATION			
Size	Bank 0	Bank 1	TAG
64KB	(4) 8K x 8	(4) 8K x 8	8K x 8
128KB	(4) 32K x 8	NONE	8K x 8
256KB	(4) 32K x 8	(4) 32K x 8	16K x 8 or 32K x 8

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CACHE JUMPER CONFIGURATION				
Size	JP6	JP7	JP8	JP9
64KB	Open	Open	pins 2 & 3 closed	pins 2 & 3 closed
128KB	Closed	Open	pins 1 & 2 closed	pins 1 & 2 closed
256KB	Closed	Closed	pins 2 & 3 closed	pins 2 & 3 closed

VESA WAIT STATE/BUS SPEED CONFIGURATION			
CPU speed	Wait states	JP23	JP24
< 33MHz	0 wait states	Open	Open
> 33MHz	1 wait state	Closed	Closed

VESA CONFIGURATION		
Function	JP18	JP34
No delay	pins 2 & 3 closed	pins 2 & 3 closed
Delay 1 PLCK	pins 1 & 2 closed	pins 1 & 2,3 & 4 closed

Note: If using a 80486DX 50mhz CPU, the recommended setting is for delay 1 PLCK.