DIAMOND FLOWER, INC.
386-33/40EC

Processor	80386DX
Processor Speed	33/40MHz
Chip Set	Unidentified
Max. Onboard DRAM	48MB
Cache	32/64/128/256KB
BIOS	Unidentified
Dimensions	330mm x 218mm
I/O Options	32-bit external memory card slot
NPU Options	80387/3167
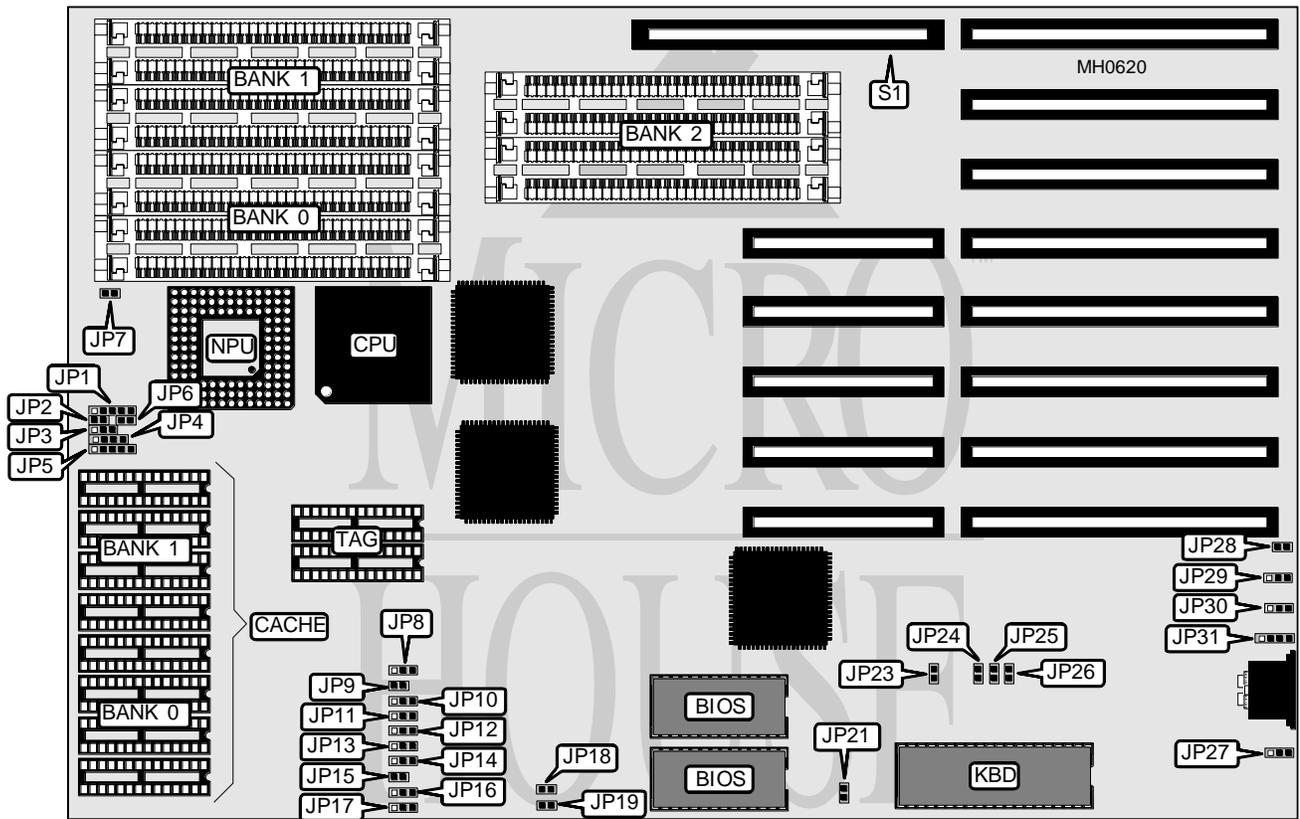
CONNECTIONS			
Purpose	Location	Purpose	Location
External keyboard	JP1	Power LED & keylock	JP5
Reset switch	JP2 or JP28	External battery	JP31
Speaker	JP4	32-bit external memory card	S1

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USER CONFIGURABLE SETTINGS		
Function	Jumper	Position
í I/O Bus speed select high (33MHz)	JP3/JP30	pins 1 & 2 closed
I/O Bus speed select low (8.25MHz)	JP3/JP30	pins 2 & 3 closed
í NPU disabled	JP7	Open
NPU enabled	JP7	Closed
í Factory configured - do not alter	JP18	Open
í Factory configured - do not alter	JP19	Open
í Factory configured - do not alter	JP20	Open
í Factory configured - do not alter	JP21	Open
í Monitor type select color	JP23	Closed
Monitor type select monochrome	JP23	Open
í Analog to digital ground select on	JP27	Closed
Analog to digital ground select off	JP27	Open
í Battery type select internal	JP29	pins 2 & 3 closed
Battery type select external	JP29	pins 1 & 2 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	(4) 256K x 9	(4) 256K x 9	(4) 256K x 9
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) 256K x 9	(4) 256K x 9	(4) 1M x 9	(4) 1M 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	(4) 1M x 9	(4) 1M x 9	(4) 1M x 9
20MB	(4) 1M x 9	(4) 4M x 9	NONE	NONE
24MB	(4) 1M x 9	(4) 1M x 9	(4) 4M x 9	NONE
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
36MB	(4) 1M x 9	(4) 4M x 9	(4) 4M x 9	NONE
37MB	(4) 256K x 9	(4) 1M x 9	(4) 1M x 9	(4) 4M x 9
40MB	(4) 1M x 9	(4) 1M x 9	(4) 4M x 9	(4) 4M x 9
48MB	(4) 4M x 9	(4) 4M x 9	(4) 4M x 9	NONE
49MB	(4) 256K x 9	(4) 4M x 9	(4) 4M x 9	(4) 4M x 9
52MB	(4) 1M x 9	(4) 4M x 9	(4) 4M x 9	(4) 4M x 9
64MB	(4) 4M x 9	(4) 4M x 9	(4) 4M x 9	(4) 4M x 9
Note: Bank 3 is used when a 32-bit external memory card is installed at S1.				

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CACHE CONFIGURATION			
Size	Bank 0	Bank 1	TAG
32KB	(4) 8K x 8	NONE	(2) 16K x 4
64KB	(4) 8K x 8	(4) 8K x 8	(2) 16K x 4
128KB	(4) 32K x 8	NONE	(2) 16K x 4
256KB	(4) 32K x 8	(4) 32K x 8	(2) 16K x 4

CACHE JUMPER CONFIGURATION						
Size	JP8	JP9	JP10	JP11	JP12	JP13
32KB	1 & 2	Open	1 & 2	1 & 2	1 & 2	1 & 2
64KB	1 & 2	Closed	1 & 2	2 & 3	1 & 2	1 & 2
128KB	2 & 3	Closed	1 & 2	2 & 3	2 & 3	1 & 2
256KB	2 & 3	Closed	2 & 3	2 & 3	2 & 3	2 & 3
Note: Pins designated should be in the closed position.						

CACHE JUMPER CONFIGURATION (CON'T)						
Size	JP14	JP15	JP16	JP17	JP24	JP25	JP26
32KB	2 & 3	Open	1 & 2	Open	Open	Open	Open
64KB	1 & 2	Open	1 & 2	Open	Closed	Open	Open
128KB	Open	Closed	1 & 2	1 & 2	Open	Open	Closed
256KB	Open	Closed	2 & 3	2 & 3	Closed	Open	Closed
Note: Pins designated should be in the closed position.						