DIAMOND FLOWER, INC.
RACER-286 AIO

Processor	80286
Processor Speed	6/12MHz
Chip Set	Suntac
Max. Onboard DRAM	4MB
Cache	None
BIOS	Unidentified
Dimensions	330mm x 218mm
I/O Options	Parallel port, serial ports (2), VGA port, floppy drive interface, IDE interface
NPU Options	80287
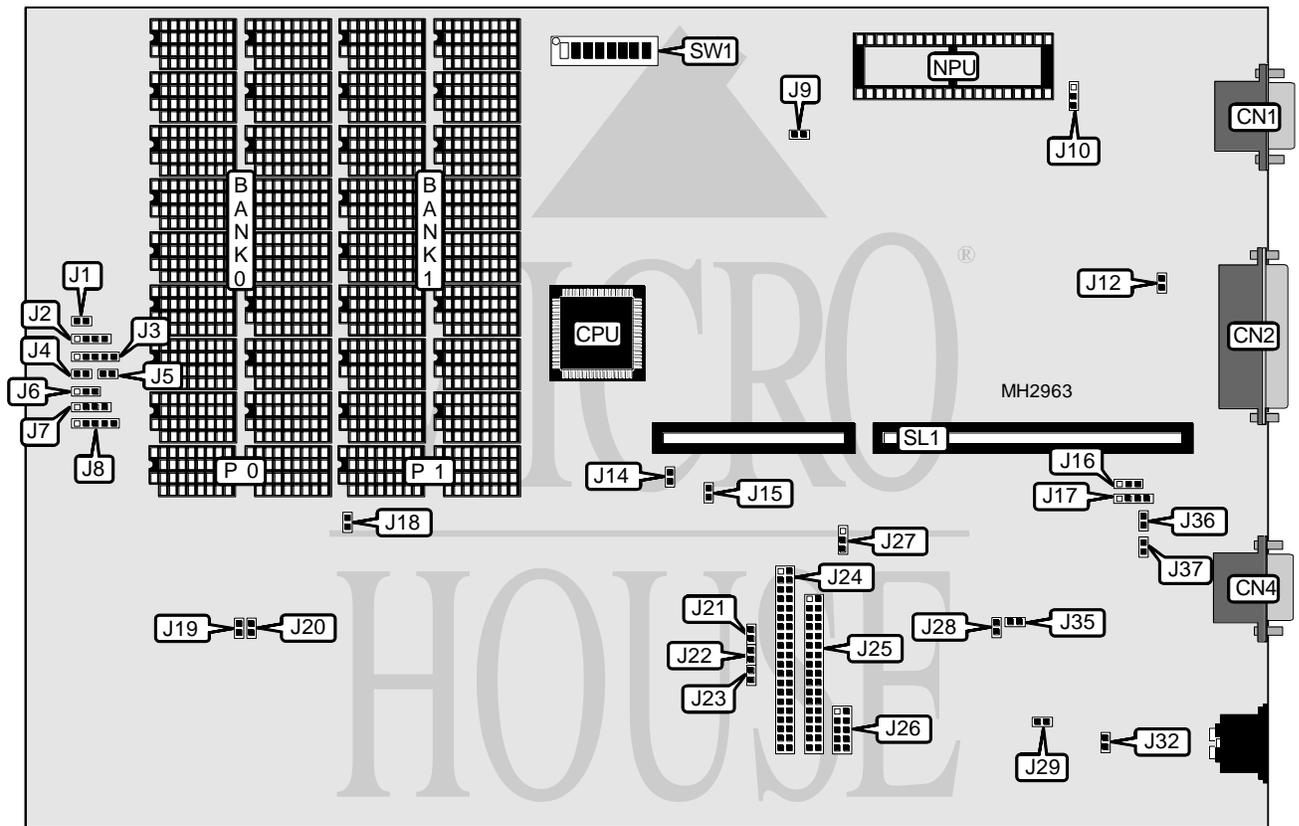
CONNECTIONS			
Purpose	Location	Purpose	Location
VGA port	CN1	Power LED & keylock	J8
Parallel port	CN2	External battery	J17
Serial port 1	CN4	IDE interface LED	J22
CPU clock display connector	J2	IDE interface	J24
Auxiliary keyboard connector	J3	Floppy drive interface	J25
Reset switch	J4	Serial port 2	J26
Turbo LED	J5	Riser slot	SL1
Speaker	J7		

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USER CONFIGURABLE SETTINGS		
Function	Jumper/Switch	Position
í Clock speed control keyboard or hardware control	J6	pins 1 & 2 closed
Clock speed control DIP switch control	J6	pins 2 & 3 closed
í Factory configured - do not alter	J9	N/A
í On board VGA enabled	J10	pins 2 & 3 closed
On board VGA disabled	J10	pins 1 & 2 closed
í Factory configured - do not alter	J12	N/A
í Floppy drive speed select single speed	J14	Closed
Floppy drive speed select dual speed	J14	Open
í Floppy drive type select single speed spindle motor drive	J15	Open
Floppy drive type select dual speed spindle motor drive	J15	Closed
í Battery type select internal	J16	pins 1 & 2 closed
Battery type select external	J16	pins 2 & 3 closed
í Factory configured - do not alter	J18	N/A
í IDE interface enabled	J19	Closed
IDE interface disabled	J19	Open
í Floppy drive interface enabled	J20	Closed
Floppy drive interface disabled	J20	Open
í Factory configured - do not alter	J21	N/A
í Hard drive I/O channel ready enabled	J23	Closed
Hard drive I/O channel ready disabled	J23	Open
í Hard drive reset level select low reset	J27	pins 1 & 2 closed
Hard drive reset level select high reset	J27	pins 2 & 3 closed
í Parallel port enabled	J28	Closed
Parallel port disabled	J28	Open
í Factory configured - do not alter	J29	N/A
í 0 wait state enabled	J32	Closed
0 wait state disabled	J32	Open
í Serial port 2 enabled	J35	Closed
Serial port 2 disabled	J35	Open
í Serial port 1 enabled	J36	Closed
Serial port 1 disabled	J36	Open
í Factory configured - do not alter	J37	N/A
í Monitor type select color	SW1/2	On
Monitor type select monochrome	SW1/2	Off
í Parity enabled	SW1/3	On
Parity disabled	SW1/3	Off
í EMS port address select 0E8H	SW1/4	On
EMS port address select 098H	SW1/4	Off
í BIOS type select 27128	SW1/5	On
BIOS type select 27256	SW1/5	Off

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DRAM CONFIGURATION					
Size	Mode	Bank 0	Parity 0	Bank 1	Parity 1
512KB	0	(16) 41256	(2) 41256	NONE	NONE
640KB	1	(16) 41256	(2) 41256	(16) 4164	(2) 4164
640KB + 384KB (1MB)	2	(16) 41256	(2) 41256	(16) 41256	(2) 41256
640KB + 384KB (EMS) (1MB)	3	(16) 41256	(2) 41256	(16) 41256	(2) 41256
640KB + 1408KB (2MB)	4	(16) 411000	(2) 411000	NONE	NONE
640KB + 1408KB (EMS) (2MB)	5	(16) 411000	(2) 411000	NONE	NONE
640KB + 3456KB (4MB)	6	(16) 411000	(2) 411000	(16) 411000	(2) 411000
640KB + 3456KB (EMS) (4MB)	7	(16) 411000	(2) 411000	(16) 411000	(2) 411000

DRAM SWITCH CONFIGURATION			
Mode	SW1/6	SW1/7	SW1/8
0	On	On	On
1	On	On	Off
2	On	Off	On
3	On	Off	Off
4	Off	On	On
5	Off	On	Off
6	Off	Off	On
7	Off	Off	Off

CPU SPEED CONFIGURATION		
Speed	J1	SW1/1
6MHz	Open	On
12MHz	Closed	Off