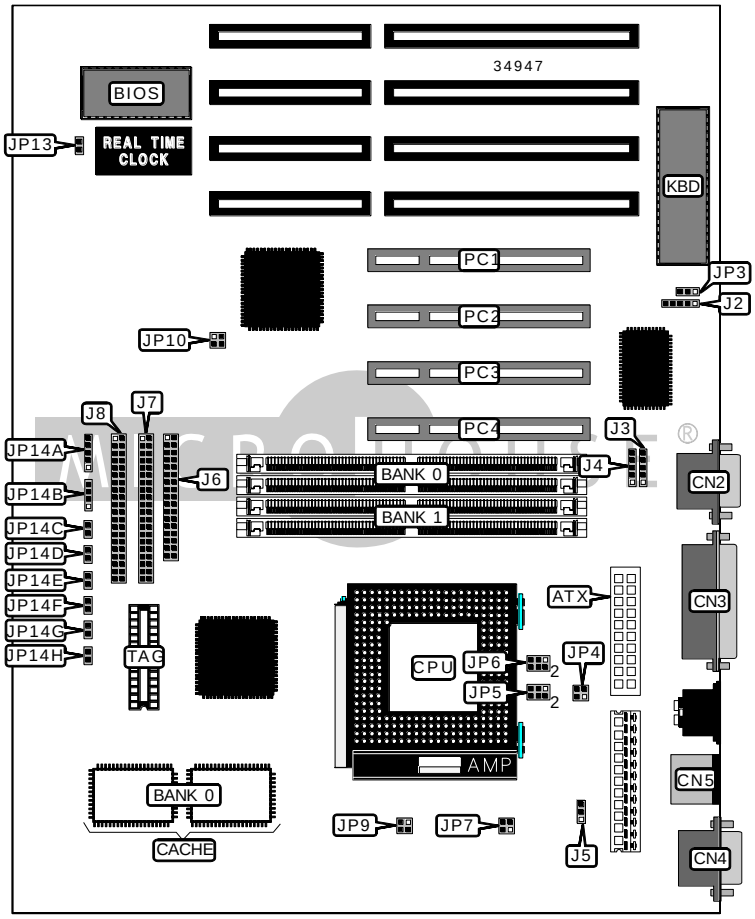
DIAMOND FLOWER, INC.
5 8 6 I H X (R E V . A +)

Device Type	Mainboard
Processor	CX 6X86/CX 6X86L/AM K5/Pentium
Processor Speed	75/90/100/120/133/150/166/200MHz
Chip Set	Intel
Video Chip Set	None
Maximum Onboard Memory	256MB (EDO supported)
Maximum Video Memory	None
Cache	256/512KB
BIOS	Award
Dimensions	305mm x 201mm
I/O Options	32-bit PCI slots (4), floppy drive interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse port, serial ports (2), IR connector, USB connectors (2), ATX power connector
NPU Options	None



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CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
ATX power connector	ATX	IDE interface 1	J8
Serial port 2	CN2	Power LED & keylock	JP14A
Parallel port	CN3	Speaker	JP14B
Serial port 1	CN4	Reset switch	JP14C
PS/2 mouse port	CN5	Green PC connector	JP14D
IR connector	J2	Soft off power supply	JP14E
USB connector 1	J3	Green PC LED	JP14F
USB connector 2	J4	IDE interface LED	JP14G
Chassis fan power	J5	ATX power LED	JP14H
Floppy drive interface	J6	32-bit PCI slots	PC1 – PC4
IDE interface 2	J7		

USER CONFIGURABLE SETTINGS		
Function	**Label**	**Position**
í Monitor type select color	JP3	Pins 1 & 2 closed
Monitor type select monochrome	JP3	Pins 2 & 3 closed
í CMOS memory normal operation	JP13	Open
CMOS memory clear	JP13	Closed

SIMM CONFIGURATION		
Size	**Bank 0**	**Bank 1**
8MB	(2) 1M x 36	None
16MB	(2) 2M x 36	None
16MB	(2) 1M x 36	(2) 1M x 36
24MB	(2) 2M x 36	(2) 1M x 36
32MB	(2) 4M x 36	None
32MB	(2) 2M x 36	(2) 2M x 36
40MB	(2) 4M x 36	(2) 1M x 36
48MB	(2) 4M x 36	(2) 2M x 36
64MB	(2) 8M x 36	None
64MB	(2) 4M x 36	(2) 4M x 36
72MB	(2) 8M x 36	(2) 1M x 36
80MB	(2) 8M x 36	(2) 2M x 36

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SIMM CONFIGURATION (CON'T)		
Size	**Bank 0**	**Bank 1**
96MB	(2) 8M x 36	(2) 4M x 36
128MB	(2) 8M x 36	(2) 8M x 36
128MB	(2) 16M x 36	None
136MB	(2) 16M x 36	(2) 1M x 36
144MB	(2) 16M x 36	(2) 2M x 36
160MB	(2) 16M x 36	(2) 4M x 36
192MB	(2) 16M x 36	(2) 8M x 36
256MB	(2) 16M x 36	(2) 16M x 36
Note: Board accepts EDO memory.		

CACHE CONFIGURATION		
Size	**Bank 0**	**TAG**
256KB	(2) 32K x 32	Unidentified
512KB	(2) 64K x 32	Unidentified

CPU SPEED SELECTION (CX 6X86)				
CPU speed	**Clock speed**	**Multiplier**	**JP7**	**JP10**
120MHz	50MHz	2x	1 & 2	1 & 2, 3 & 4
133MHz	55MHz	2x	1 & 2	Open
150MHz	60MHz	2x	1 & 2	1 & 2
166MHz	66MHz	2x	1 & 2	3 & 4
Note: Pins designated should be in the closed position.				

CPU SPEED SELECTION (CX 6X86L)				
CPU speed	**Clock speed**	**Multiplier**	**JP7**	**JP10**
120MHz	50MHz	2x	1 & 2	1 & 2, 3 & 4
133MHz	55MHz	2x	1 & 2	Open
150MHz	60MHz	2x	1 & 2	1 & 2
166MHz	66MHz	2x	1 & 2	3 & 4
Note: Pins designated should be in the closed position.				

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CPU SPEED SELECTION (AM K5)				
CPU speed	**Clock speed**	**Multiplier**	**JP7**	**JP10**
75MHz	50MHz	1.5x	Open	1 & 2, 3 & 4
90MHz	60MHz	1.5x	Open	1 & 2
100MHz	66MHz	1.5x	Open	3 & 4
120MHz	60MHz	1.5x	Open	1 & 2
133MHz	66MHz	1.5x	Open	3 & 4
Note: Pins designated should be in the closed position.				

CPU SPEED SELECTION (INTEL)				
CPU speed	**Clock speed**	**Multiplier**	**JP7**	**JP10**
75MHz	50MHz	1.5x	Open	1 & 2, 3 & 4
90MHz	60MHz	1.5x	Open	1 & 2
100MHz	66MHz	1.5x	Open	3 & 4
120MHz	60MHz	2x	1 & 2	1 & 2
133MHz	66MHz	2x	1 & 2	3 & 4
150MHz	60MHz	2.5x	1 & 2, 3 & 4	1 & 2
166MHz	66MHz	2.5x	1 & 2, 3 & 4	3 & 4
200MHz	66MHz	3x	3 & 4	3 & 4
Note: Pins designated should be in the closed position.				

CPU SPEED SELECTION (INTEL MMX)				
CPU speed	**Clock speed**	**Multiplier**	**JP7**	**JP10**
166MHz	66MHz	2.5x	1 & 2, 3 & 4	3 & 4
200MHz	66MHz	3x	3 & 4	3 & 4
Note: Pins designated should be in the closed position.				

CPU VOLTAGE SELECTION				
Voltage	**JP4**	**JP5**	**JP6**	**JP9**
2.5v	3 & 4	1 & 3, 2 & 4	5 & 6	Open
2.7v	3 & 4	1 & 3, 2 & 4	5 & 6	Open
2.8v	3 & 4	1 & 3, 2 & 4	3 & 4	Open
2.9v	3 & 4	1 & 3, 2 & 4	1 & 2	Open
í 3.3v	3 & 4	3 & 5, 4 & 6	3 & 4	1 & 2, 3 & 4
3.5v	1 & 2	3 & 5, 4 & 6	3 & 4	1 & 2, 3 & 4
Note: Pins designated should be in the closed position.				