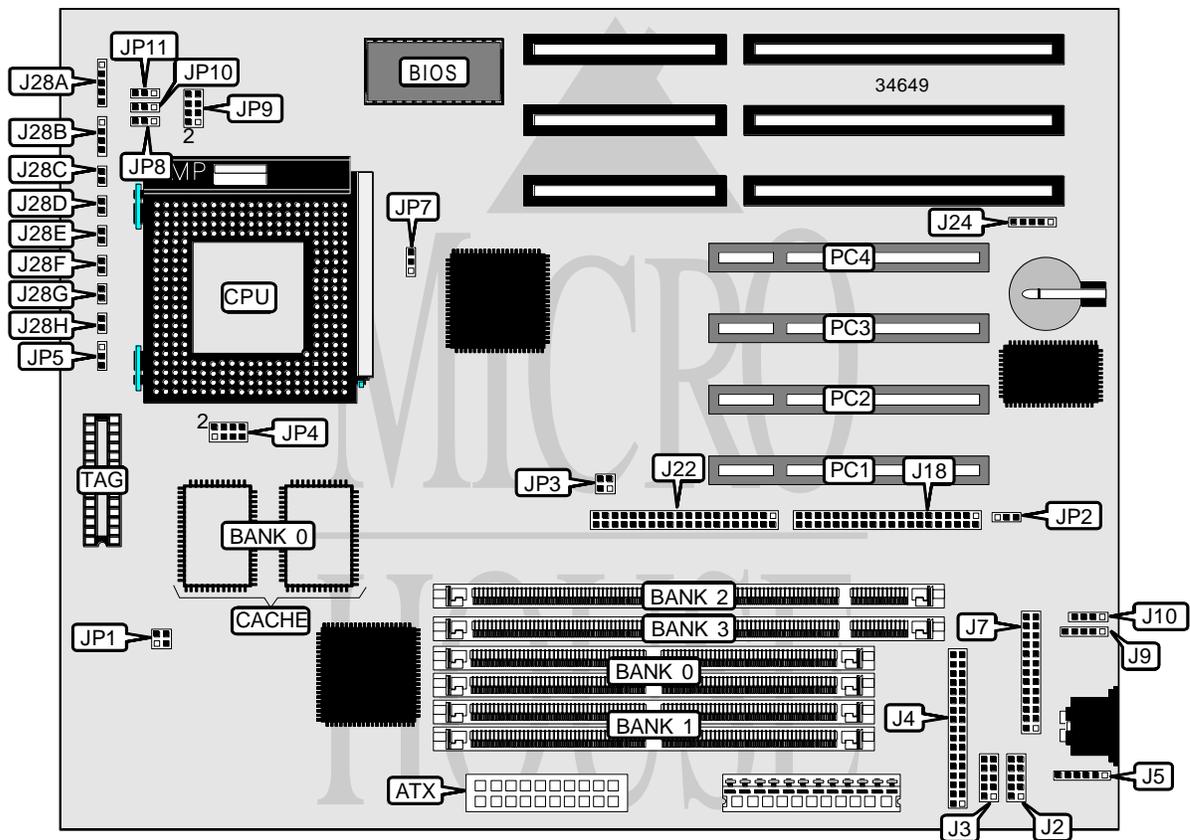


DIAMOND FLOWER, INC.

586ITBD (REV. AD+)

Processor	CX 6X86L/CX 686MX/IBM 6X86L/IBM 686MX AM K5/AM K6/Pentium
Processor Speed	90/100/120/133/150/166/180/200/233MHz
Chip Set	Intel
Video Chip Set	None
Maximum Onboard Memory	256MB (EDO supported)
Maximum Video Memory	None
Cache	512KB
BIOS	Award
Dimensions	330mm x 218mm
I/O Options	32-bit PCI slots (4), floppy drive interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse interface, serial ports (2), IR connector, USB connector, ATX power connector
NPU Options	None



Continued on next page. . .

DIAMOND FLOWER, INC.
5861TBD (REV. AD+)

... continued from previous page

CONNECTIONS			
Purpose	Location	Purpose	Location
ATX power connector	ATX	Power LED & keylock	J28A
Serial port 2	J2	Speaker	J28B
Serial port 1	J3	Reset switch	J28C
Floppy drive interface	J4	Green PC connector	J28D
PS/2 mouse interface	J5	Soft off power supply	J28E
Parallel port	J7	Green PC LED	J28F
USB connector	J9	IDE interface LED	J28G
USB connector	J10	ATX LED	J28H
IDE interface 2	J18	Wake on modem connector	JP2
IDE interface 1	J22	CPU fan power	JP5
IR connector	J24	32-bit PCI slots	PC1 – PC4

USER CONFIGURABLE SETTINGS		
Function	Label	Position
í CMOS memory normal operation	JP7	Pins 1 & 2 closed
CMOS memory clear	JP7	Pins 2 & 3 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
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.

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DIAMOND FLOWER, INC.
586ITBD (REV. AD+)

... continued from previous page

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

CPU SPEED SELECTION (CX 6X86L)					
CPU speed	Clock speed	Multiplier	JP1	JP3	JP4
150MHz	60MHz	2x	3 & 4	3 & 4	1 & 2, 3 & 4
166MHz	66MHz	2x	3 & 4	Open	1 & 2, 3 & 4

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (CX 6X86L, CON'T)					
CPU speed	Clock speed	Multiplier	JP8	JP10	JP11
150MHz	60MHz	2x	Open	1 & 2	2 & 3
166MHz	66MHz	2x	Open	1 & 2	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (CX 6X86MX)					
CPU speed	Clock speed	Multiplier	JP1	JP3	JP4
166MHz	60MHz	2.5x	3 & 4	3 & 4	1 & 2, 3 & 4
200MHz	66MHz	3x	3 & 4	Open	1 & 2, 3 & 4

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (CX 6X86MX, CON'T)					
CPU speed	Clock speed	Multiplier	JP8	JP10	JP11
166MHz	60MHz	2.5x	Open	2 & 3	2 & 3
200MHz	66MHz	3x	Open	2 & 3	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (IBM 6X86L)					
CPU speed	Clock speed	Multiplier	JP1	JP3	JP4
150MHz	60MHz	2x	3 & 4	3 & 4	1 & 2, 3 & 4
166MHz	66MHz	2x	3 & 4	Open	1 & 2, 3 & 4

Note: Pins designated should be in the closed position.

Continued on next page. . .

DIAMOND FLOWER, INC.
5861TBD (REV. AD+)

... continued from previous page

CPU SPEED SELECTION (IBM 6X86L, CON'T)					
CPU speed	Clock speed	Multiplier	JP1	JP3	JP4
150MHz	60MHz	2x	3 & 4	3 & 4	1 & 2, 3 & 4
166MHz	66MHz	2x	3 & 4	Open	1 & 2, 3 & 4

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (IBM 6X86MX)					
CPU speed	Clock speed	Multiplier	JP1	JP3	JP4
166MHz	60MHz	2.5x	3 & 4	3 & 4	1 & 2, 3 & 4
200MHz	66MHz	3x	3 & 4	Open	1 & 2, 3 & 4

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (IBM 6X86MX, CON'T)					
CPU speed	Clock speed	Multiplier	JP8	JP10	JP11
166MHz	60MHz	2.5x	Open	2 & 3	2 & 3
200MHz	66MHz	3x	Open	2 & 3	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K5)					
CPU speed	Clock speed	Multiplier	JP1	JP3	JP4
90MHz	60MHz	1.5x	3 & 4	3 & 4	5 & 6, 7 & 8
100MHz	66MHz	1.5x	3 & 4	Open	5 & 6, 7 & 8
120MHz	60MHz	1.5x	3 & 4	3 & 4	5 & 6, 7 & 8
133MHz	66MHz	1.5x	3 & 4	Open	5 & 6, 7 & 8
166MHz	66MHz	2.5x	3 & 4	Open	5 & 6, 7 & 8

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K5, CON'T)					
CPU speed	Clock speed	Multiplier	JP8	JP10	JP11
90MHz	60MHz	1.5x	Open	1 & 2	1 & 2
100MHz	66MHz	1.5x	Open	1 & 2	1 & 2
120MHz	60MHz	1.5x	Open	1 & 2	1 & 2
133MHz	66MHz	1.5x	Open	1 & 2	1 & 2
166MHz	66MHz	2.5x	Open	2 & 3	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K6)					
CPU speed	Clock speed	Multiplier	JP1	JP3	JP4
166MHz	66MHz	2.5x	3 & 4	Open	1 & 2, 3 & 4
200MHz	66MHz	3x	3 & 4	Open	1 & 2, 3 & 4
233MHz	66MHz	3.5x	3 & 4	Open	1 & 2, 3 & 4
266MHz	66MHz	4x	3 & 4	Open	1 & 2, 3 & 4

Note: Pins designated should be in the closed position.

Continued on next page...

DIAMOND FLOWER, INC.
586ITBD (REV. AD+)

... continued from previous page

CPU SPEED SELECTION (AM K6, CON'T)					
CPU speed	Clock speed	Multiplier	JP8	JP10	JP11
166MHz	66MHz	2.5x	Open	2 & 3	2 & 3
200MHz	66MHz	3x	Open	2 & 3	1 & 2
233MHz	66MHz	3.5x	Open	1 & 2	1 & 2
266MHz	66MHz	4x	2 & 3	2 & 3	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL)					
CPU speed	Clock speed	Multiplier	JP1	JP3	JP4
90MHz	60MHz	1.5x	3 & 4	3 & 4	5 & 6, 7 & 8
100MHz	66MHz	1.5x	3 & 4	Open	5 & 6, 7 & 8
120MHz	60MHz	2x	3 & 4	3 & 4	5 & 6, 7 & 8
133MHz	66MHz	2x	3 & 4	Open	5 & 6, 7 & 8
150MHz	60MHz	2.5x	3 & 4	3 & 4	5 & 6, 7 & 8
166MHz	66MHz	2.5x	3 & 4	Open	5 & 6, 7 & 8
200MHz	66MHz	3x	3 & 4	Open	5 & 6, 7 & 8

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL, CON'T)					
CPU speed	Clock speed	Multiplier	JP8	JP10	JP11
90MHz	60MHz	1.5x	Open	1 & 2	1 & 2
100MHz	66MHz	1.5x	Open	1 & 2	1 & 2
120MHz	60MHz	2x	Open	1 & 2	2 & 3
133MHz	66MHz	2x	Open	1 & 2	2 & 3
150MHz	60MHz	2.5x	Open	2 & 3	2 & 3
166MHz	66MHz	2.5x	Open	2 & 3	2 & 3
200MHz	66MHz	3x	Open	2 & 3	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL MMX)					
CPU speed	Clock speed	Multiplier	JP1	JP3	JP4
166MHz	66MHz	2.5x	3 & 4	Open	1 & 2, 3 & 4
200MHz	66MHz	3x	3 & 4	Open	1 & 2, 3 & 4
233MHz	66MHz	3.5x	3 & 4	Open	1 & 2, 3 & 4

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL MMX, CON'T)					
CPU speed	Clock speed	Multiplier	JP8	JP10	JP11
166MHz	66MHz	2.5x	Open	2 & 3	2 & 3
200MHz	66MHz	3x	Open	2 & 3	1 & 2
233MHz	66MHz	3.5x	Open	1 & 2	1 & 2

Note: Pins designated should be in the closed position.

Continued on next page. . .

DIAMOND FLOWER, INC.
586ITBD (REV. AD+)

... continued from previous page

CPU VOLTAGE SELECTION	
Voltage	JP9
2.8v	Pins 7 & 8 closed
2.9v	Pins 1 & 2, 7 & 8 closed
3.2v	Pins 5 & 6, 7 & 8 closed
3.3v	Pins 1 & 2, 5 & 6, 7 & 8 closed
3.5v	Pins 1 & 2, 3 & 4, 5 & 6, 7 & 8 closed