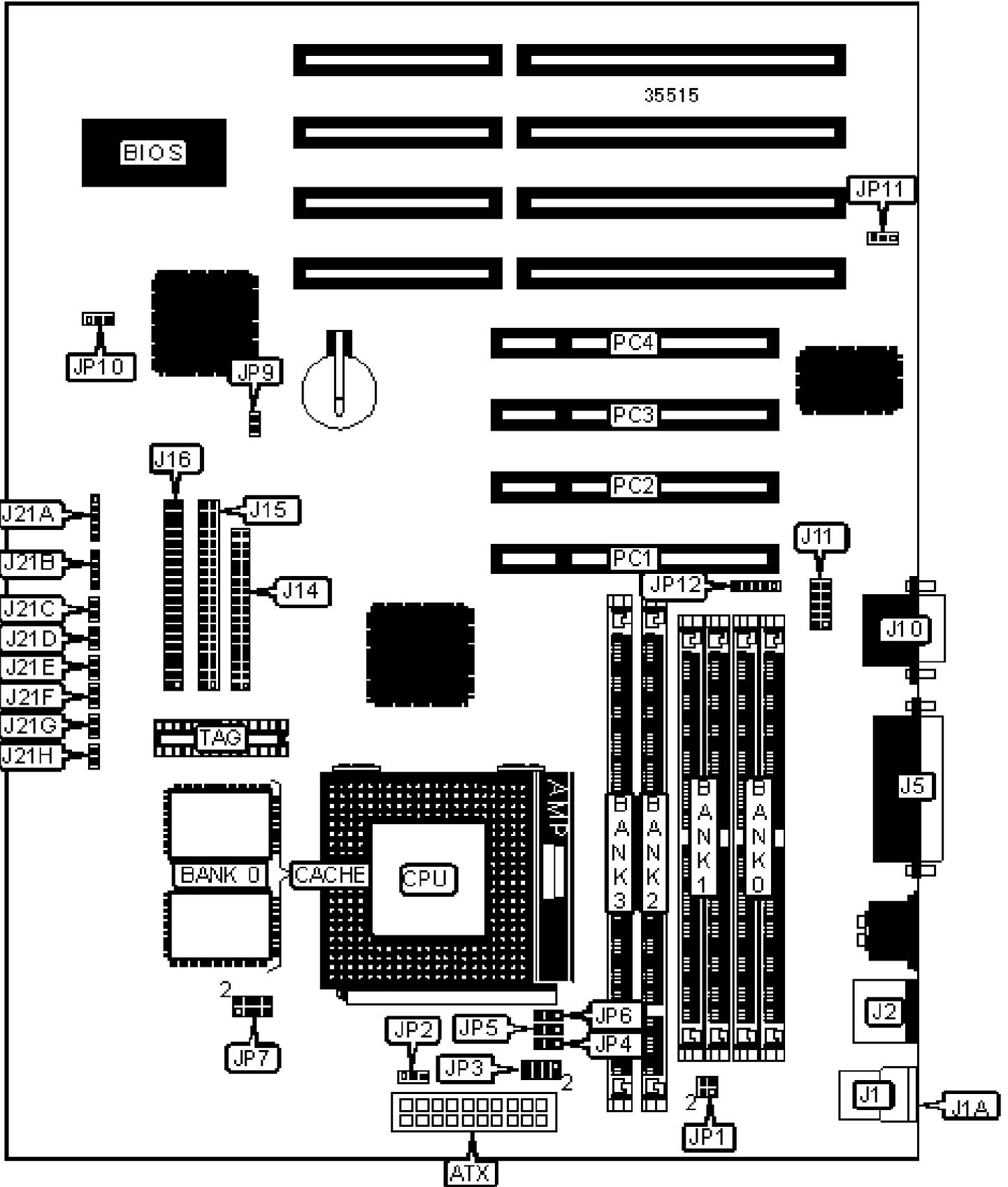


DIAMOND FLOWER, INC.

586ITXD (REV. A+)

Configuration



## CONNECTIONS

Purpose	Location	Purpose	Location
ATX power connector	ATX	Speaker	J21B
USB connector 1	J1	Reset switch	J21C
USB connector 2	J1A	Green PC connector	J21D
PS/2 mouse port	J2	Soft off power supply	J21E
Parallel port	J5	Green PC LED	J21F
Serial port 2	J10	IDE interface LED	J21G
Serial port 1	J11	ATX power supply LED	J21H
Floppy drive interface	J14	CPU fan power	JP2
IDE interface 2	J15	IR connector	JP12
IDE interface 1	J16	32-bit PCI slots	PC1 - PC4
Power LED & keylock	J21A		

## USER CONFIGURABLE SETTINGS

Function	Label	Position
» Factory configured - do not alter	JP1	Pins 3 & 4 closed
» CMOS memory normal operation	JP10	Pins 2 & 3 closed
CMOS memory clear	JP10	Pins 1 & 2 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.

### DIMM CONFIGURATION

Size	Bank 2	Bank 3
8MB	(1) 1M x 64	None
16MB	(1) 2M x 64	None
16MB	(1) 1M x 64	(1) 1M x 64
24MB	(1) 2M x 64	(1) 1M x 64
32MB	(1) 4M x 64	None
32MB	(1) 2M x 64	(1) 2M x 64

40MB	(1) 4M x 64	(1) 1M x 64
48MB	(1) 4M x 64	(1) 2M x 64
64MB	(1) 8M x 64	None
64MB	(1) 4M x 64	(1) 4M x 64
72MB	(1) 8M x 64	(1) 1M x 64
80MB	(1) 8M x 64	(1) 2M x 64
96MB	(1) 8M x 64	(1) 4M x 64
128MB	(1) 16M x 64	None
128MB	(1) 8M x 64	(1) 8M x 64
136MB	(1) 16M x 64	(1) 1M x 64
144MB	(1) 16M x 64	(1) 2M x 64
160MB	(1) 16M x 64	(1) 4M x 64
192MB	(1) 16M x 64	(1) 8M x 64
256MB	(1) 16M x 64	(1) 16M x 64
Note: Board accepts SDRAM memory.		

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

<b>CPU SPEED SELECTION (CX 6X86L)</b>							
CPU speed	Clock speed	Multiplier	JP3	JP4	JP5	JP6	JP9
150MHz	60MHz	2x	1 & 2, 3 & 4	1 & 2	2 & 3	Open	Closed
166MHz	66MHz	2x	1 & 2, 3 & 4	1 & 2	2 & 3	Open	Open
Note: Pins designated are in the closed position.							

### CPU SPEED SELECTION (IBM 6X86L)

CPU speed	Clock speed	Multiplier	JP3	JP4	JP5	JP6	JP9
150MHz	60MHz	2x	1 & 2, 3 & 4	1 & 2	2 & 3	Open	Closed
166MHz	66MHz	2x	1 & 2, 3 & 4	1 & 2	2 & 3	Open	Open

Note: Pins designated are in the closed position.

### CPU SPEED SELECTION (CX 6X86MX)

CPU speed	Clock speed	Multiplier	JP3	JP4	JP5	JP6	JP9
166MHz	60MHz	2x	1 & 2, 3 & 4	2 & 3	2 & 3	Open	Closed
200MHz	66MHz	2x	1 & 2, 3 & 4	2 & 3	2 & 3	Open	Open

Note: Pins designated are in the closed position.

### CPU SPEED SELECTION (IBM 6X86MX)

CPU speed	Clock speed	Multiplier	JP3	JP4	JP5	JP6	JP9
166MHz	60MHz	2x	1 & 2, 3 & 4	2 & 3	2 & 3	Open	Closed
200MHz	66MHz	2x	1 & 2, 3 & 4	2 & 3	2 & 3	Open	Open

Note: Pins designated are in the closed position.

### CPU SPEED SELECTION (AM K5)

CPU speed	Clock speed	Multiplier	JP3	JP4	JP5	JP6	JP9
90MHz	60MHz	1.5x	5 & 6, 7 & 8	1 & 2	1 & 2	Open	Closed
100MHz	66MHz	1.5x	5 & 6, 7 & 8	1 & 2	1 & 2	Open	Open
120MHz	60MHz	2x	5 & 6, 7 & 8	1 & 2	1 & 2	Open	Closed
133MHz	66MHz	2x	5 & 6, 7 & 8	1 & 2	1 & 2	Open	Open
166MHz	66MHz	2.5x	5 & 6, 7 & 8	2 & 3	2 & 3	Open	Open

Note: Pins designated are in the closed position.

### CPU SPEED SELECTION (AM K6)

CPU speed	Clock speed	Multiplier	JP3	JP4	JP5	JP6	JP9
166MHz	66MHz	2.5x	1 & 2, 3 & 4	2 & 3	2 & 3	1 & 2	Open
200MHz	66MHz	3x	1 & 2, 3 & 4	2 & 3	1 & 2	1 & 2	Open
233MHz	66MHz	3.5x	1 & 2, 3 & 4	1 & 2	1 & 2	1 & 2	Open
266MHz	66MHz	4x	1 & 2, 3 & 4	2 & 3	1 & 2	2 & 3	Open

Note: Pins designated are in the closed position.

### CPU SPEED SELECTION (INTEL)

CPU speed	Clock speed	Multiplier	JP3	JP4	JP5	JP6	JP9
90MHz	60MHz	1.5x	5 & 6, 7 & 8	1 & 2	1 & 2	Open	Closed
100MHz	66MHz	1.5x	5 & 6, 7 & 8	1 & 2	1 & 2	Open	Open
120MHz	60MHz	2x	5 & 6, 7 & 8	1 & 2	2 & 3	Open	Closed
133MHz	66MHz	2x	5 & 6, 7 & 8	1 & 2	2 & 3	Open	Open
150MHz	60MHz	2.5x	5 & 6, 7 & 8	2 & 3	2 & 3	Open	Closed
166MHz	66MHz	2.5x	5 & 6, 7 & 8	2 & 3	2 & 3	Open	Open
200MHz	66MHz	3x	5 & 6, 7 & 8	2 & 3	1 & 2	Open	Open

Note: Pins designated are in the closed position.

### CPU SPEED SELECTION (INTEL MMX)

CPU speed	Clock speed	Multiplier	JP3	JP4	JP5	JP6	JP9
166MHz	66MHz	2.5x	1 & 2, 3 & 4	2 & 3	2 & 3	Open	Open
200MHz	66MHz	3x	1 & 2, 3 & 4	2 & 3	1 & 2	Open	Open
233MHz	66MHz	3.5x	1 & 2, 3 & 4	1 & 2	1 & 2	Open	Open

Note: Pins designated are in the closed position.

### CPU VOLTAGE SELECTION

Voltage	JP7/pins 1 & 2	JP7/pins 3 & 4	JP7/pins 5 & 6	JP7/pins 7 & 8
2.0v	Open	Open	Open	Open
» 2.8v	Open	Open	Open	Closed
2.9v	Closed	Open	Open	Closed
3.2v	Open	Open	Closed	Closed
3.3v	Closed	Open	Closed	Closed
3.5v	Closed	Closed	Closed	Closed

### MODEM ON RING SELECTION

Setting	JP11
COM1	Pins 1 & 2 closed
» COM2	Pins 2 & 3 closed
Disabled	Open