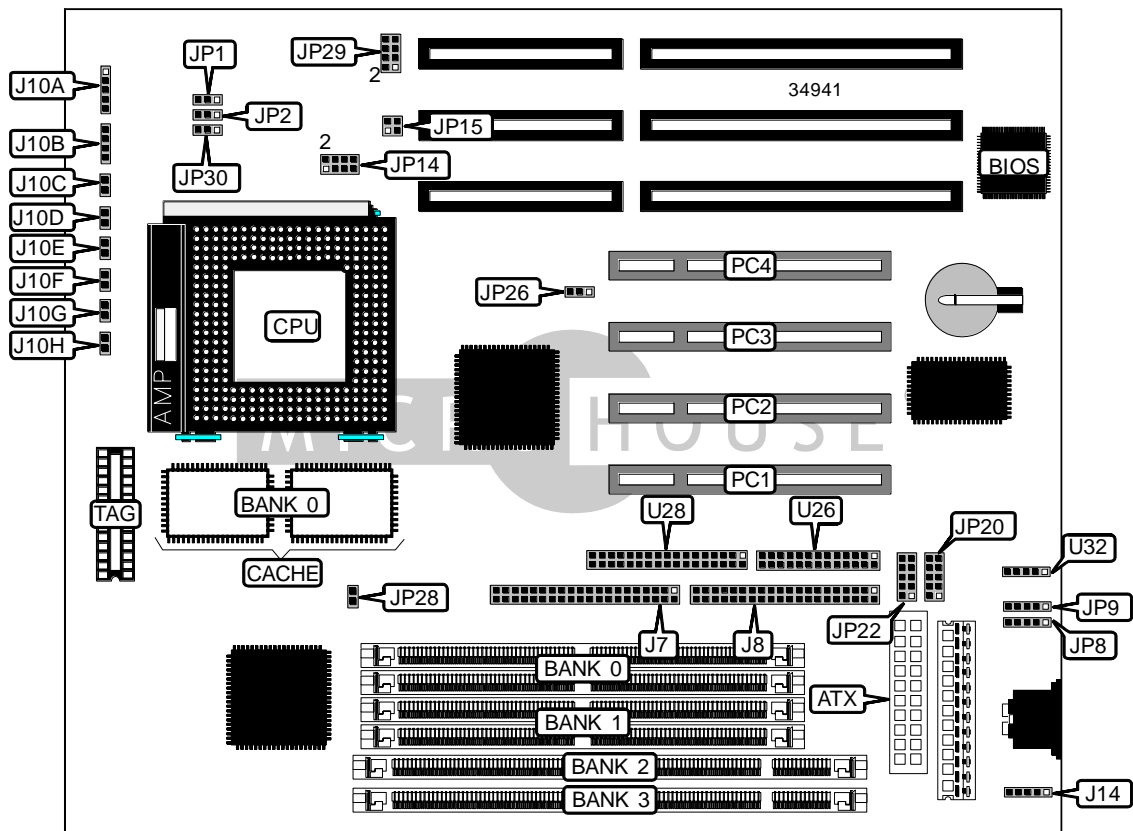


# DIAMOND FLOWER, INC.

## 586ITB (REV. A+)

<b>Device Type</b>	Mainboard
<b>Processor</b>	AM K5/AM K6/Pentium
<b>Processor Speed</b>	90/100/120/133/150/166/200/233MHz
<b>Chip Set</b>	Intel
<b>Video Chip Set</b>	None
<b>Maximum Onboard Memory</b>	256MB (EDO & SDRAM supported)
<b>Maximum Video Memory</b>	None
<b>Cache</b>	512KB
<b>BIOS</b>	Award
<b>Dimensions</b>	250mm x 220mm
<b>I/O Options</b>	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 connectors (2), ATX power connector
<b>NPU Options</b>	None



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CONNECTIONS			
Purpose	Location	Purpose	Location
ATX power connector	ATX	ATX power supply LED	J10H
IDE interface 1	J7	PS/2 mouse interface	J14
IDE interface 2	J8	USB connector 1	JP8
Power LED & keylock	J10A	USB connector 2	JP9
Speaker	J10B	Serial port 1	JP20
Reset switch	J10C	Serial port 2	JP22
Green PC connector	J10D	32-bit PCI slots	PC1 - PC4
Soft off power supply	J10E	Parallel port	U26
Green PC LED	J10F	Floppy drive interface	U28
IDE interface LED	J10G	IR connector	U32

USER CONFIGURABLE SETTINGS		
Function	Label	Position
í Factory configured - do not alter	JP14	Pins 5 & 6, 7 & 8 closed
í Factory configured - do not alter	JP30	Open

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

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SIMM CONFIGURATION (CON'T)		
Size	Bank 0	Bank 1
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.		

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

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CPU SPEED SELECTION (AM K5)					
CPU speed	Clock speed	Multiplier	JP1	JP2	JP28
90MHz	60MHz	1.5x	1 & 2	1 & 2	Closed
100MHz	66MHz	1.5x	1 & 2	1 & 2	Open
120MHz	60MHz	1.5x	1 & 2	1 & 2	Closed
133MHz	66MHz	1.5x	1 & 2	1 & 2	Open
150MHz	60MHz	2x	2 & 3	1 & 2	Closed
166MHz	66MHz	2x	2 & 3	1 & 2	Open

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K6)					
CPU speed	Clock speed	Multiplier	JP1	JP2	JP28
166MHz	66MHz	2.5x	2 & 3	2 & 3	Open
200MHz	66MHz	3x	1 & 2	2 & 3	Open
233MHz	66MHz	3.5x	1 & 2	1 & 2	Open

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL)					
CPU speed	Clock speed	Multiplier	JP1	JP2	JP28
90MHz	60MHz	1.5x	1 & 2	1 & 2	Closed
100MHz	66MHz	1.5x	1 & 2	1 & 2	Open
120MHz	60MHz	2x	2 & 3	1 & 2	Closed
133MHz	66MHz	2x	2 & 3	1 & 2	Open
150MHz	60MHz	2.5x	2 & 3	2 & 3	Closed
166MHz	66MHz	2.5x	2 & 3	2 & 3	Open
200MHz	66MHz	3x	1 & 2	2 & 3	Open

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL MMX)					
CPU speed	Clock speed	Multiplier	JP1	JP2	JP28
166MHz	66MHz	2.5x	2 & 3	2 & 3	Open
200MHz	66MHz	3x	1 & 2	2 & 3	Open
233MHz	66MHz	3.5x	1 & 2	1 & 2	Open

Note: Pins designated should be in the closed position.

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CPU VOLTAGE SELECTION		
Voltage	JP15/pins 1 & 2	JP15/pins 3 & 4
2.8v	Open	Closed
2.9v	Open	Closed
3.2v	Open	Closed
3.3v	Open	Closed
í 3.5v	Open	Closed

CPU VOLTAGE SELECTION (CON'T)				
Voltage	JP29/pins 1 & 2	JP29/pins 3 & 4	JP29/pins 5 & 6	JP29/pins 7 & 8
2.8v	Open	Open	Open	Closed
2.9v	Closed	Open	Open	Closed
3.2v	Open	Open	Closed	Closed
3.3v	Closed	Open	Closed	Closed
í 3.5v	Closed	Closed	Closed	Closed

MODEM ON RING SELECTION	
Setting	JP26
COM1	Pins 1 & 2 closed
COM2	Pins 2 & 3 closed
Disabled	Open