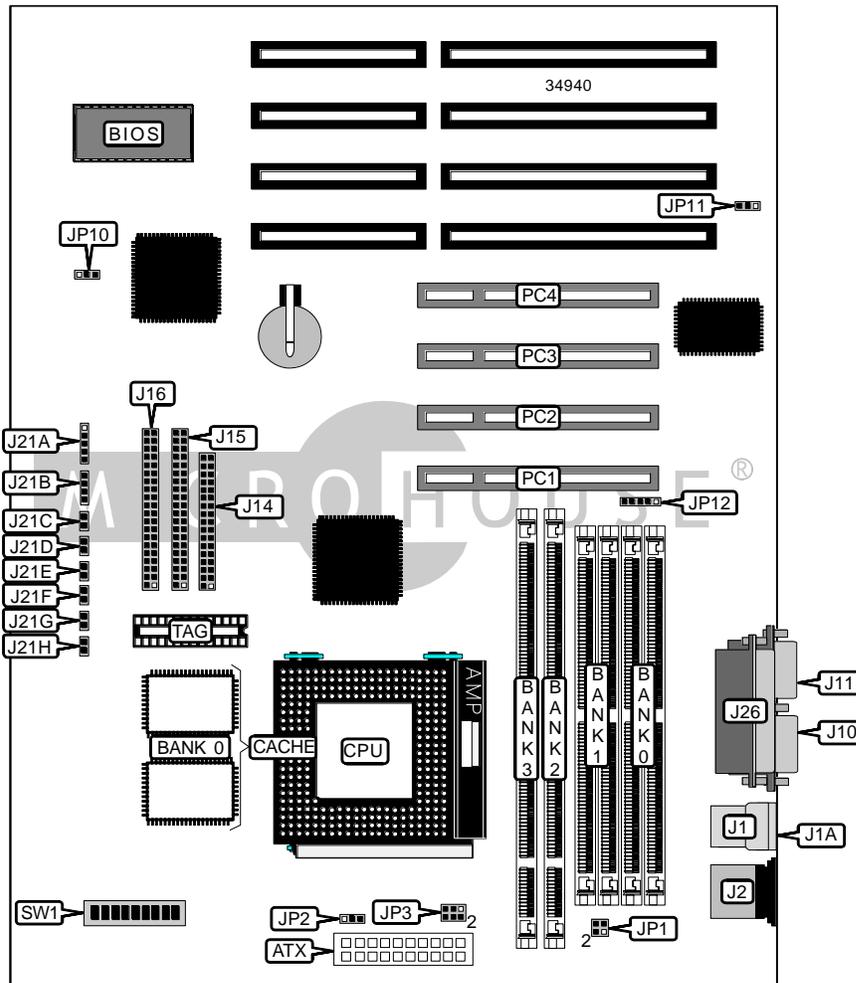


DIAMOND FLOWER, INC. 586IXTD (REV. D+)

Device Type	Mainboard
Processor	CX 6X86L/IBM 6X86L/CX 686MX/IBM 6X86MX/AM K5/AM K6/Pentium
Processor Speed	90/100/120/133/150/166/200/233MHz
Chip Set	Intel
Video Chip Set	None
Maximum Onboard Memory	256MB (EDO & SDRAM supported)
Maximum Video Memory	None
Cache	512KB
BIOS	Award
Dimensions	305mm x 244mm
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	Reset switch	J21C
USB connector 1	J1	Green PC connector	J21D
USB connector 2	J1A	Soft off power supply	J21E
PS/2 mouse port	J2	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	Parallel port	J26
IDE interface 2	J15	CPU fan power	JP2
IDE interface 1	J16	IR connector	JP12
Power LED & keylock	J21A	32-bit PCI slots	PC1 - PC4
Speaker	J21B		

USER CONFIGURABLE SETTINGS		
Function	Label	Position
í Factory configured - do not alter	JP1	Pins 1 & 2 closed
í 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

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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 (CX 6X86L)							
CPU speed	Clock speed	Multiplier	JP3	SW1/1	SW1/2	SW1/3	SW1/4
150MHz	60MHz	2x	3 & 4	On	Off	On	Off
166MHz	66MHz	2x	3 & 4	Off	Off	On	Off
200MHz	75MHz	2x	3 & 4	Off	On	On	Off

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (CX 6X86L, CON'T)							
CPU speed	Clock speed	Multiplier	SW1/5	SW1/6	SW1/7	SW1/8	SW1/9
150MHz	60MHz	2x	Off	On	Off	Off	On
166MHz	66MHz	2x	Off	On	Off	Off	On
200MHz	75MHz	2x	Off	On	Off	Off	On

CPU SPEED SELECTION (IBM 6X86L)							
CPU speed	Clock speed	Multiplier	JP3	SW1/1	SW1/2	SW1/3	SW1/4
150MHz	60MHz	2x	3 & 4	On	Off	On	Off
166MHz	66MHz	2x	3 & 4	Off	Off	On	Off
200MHz	75MHz	2x	3 & 4	Off	On	On	Off

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (IBM 6X86L, CON'T)							
CPU speed	Clock speed	Multiplier	SW1/5	SW1/6	SW1/7	SW1/8	SW1/9
150MHz	60MHz	2x	Off	On	Off	Off	On
166MHz	66MHz	2x	Off	On	Off	Off	On
200MHz	75MHz	2x	Off	On	Off	Off	On

CPU SPEED SELECTION (CX 6X86MX)							
CPU speed	Clock speed	Multiplier	JP3	SW1/1	SW1/2	SW1/3	SW1/4
166MHz	60MHz	2x	3 & 4	On	Off	On	On
200MHz	66MHz	2x	3 & 4	Off	Off	On	On
200MHz	75MHz	2x	3 & 4	Off	On	On	Off

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (CX 6X86MX, CON'T)							
CPU speed	Clock speed	Multiplier	SW1/5	SW1/6	SW1/7	SW1/8	SW1/9
166MHz	60MHz	2x	Off	On	Off	Off	On
200MHz	66MHz	2x	Off	On	Off	Off	On
200MHz	75MHz	2x	Off	On	Off	Off	On

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CPU SPEED SELECTION (IBM 6X86MX)							
CPU speed	Clock speed	Multiplier	JP3	SW1/1	SW1/2	SW1/3	SW1/4
166MHz	60MHz	2x	3 & 4	On	Off	On	On
200MHz	66MHz	2x	3 & 4	On	On	Off	Off
200MHz	75MHz	2x	3 & 4	Off	On	On	Off

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (IBM 6X86MX, CON'T)							
CPU speed	Clock speed	Multiplier	SW1/5	SW1/6	SW1/7	SW1/8	SW1/9
166MHz	60MHz	2x	Off	On	Off	Off	On
200MHz	66MHz	2x	Off	On	Off	Off	On
200MHz	75MHz	2x	Off	On	Off	Off	On

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K5)							
CPU speed	Clock speed	Multiplier	JP3	SW1/1	SW1/2	SW1/3	SW1/4
90MHz	60MHz	1.5x	5 & 6	On	Off	Off	Off
100MHz	66MHz	1.5x	5 & 6	Off	Off	Off	Off
120MHz	60MHz	2x	5 & 6	On	Off	Off	Off
133MHz	66MHz	2x	5 & 6	Off	Off	Off	Off
166MHz	66MHz	2.5x	5 & 6	Off	Off	On	On

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K5, CON'T)							
CPU speed	Clock speed	Multiplier	SW1/5	SW1/6	SW1/7	SW1/8	SW1/9
90MHz	60MHz	1.5x	Off	On	On	On	On
100MHz	66MHz	1.5x	Off	On	On	On	On
120MHz	60MHz	2x	Off	On	On	On	On
133MHz	66MHz	2x	Off	On	On	On	On
166MHz	66MHz	2.5x	Off	On	On	On	On

Note: Pins designated should be in the closed position.

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CPU SPEED SELECTION (AM K6)							
CPU speed	Clock speed	Multiplier	JP3	SW1/1	SW1/2	SW1/3	SW1/4
166MHz	66MHz	2.5x	3 & 4	Off	Off	On	On
200MHz	66MHz	3x	3 & 4	Off	Off	Off	On
233MHz A	66MHz	3.5x	3 & 4	Off	Off	Off	Off
233MHz B	66MHz	3.5x	3 & 4	Off	Off	Off	Off
233MHz C	66MHz	3.5x	3 & 4	Off	Off	Off	Off
266MHz D	66MHz	4x	3 & 4	Off	Off	On	Off
266MHz E	66MHz	4x	3 & 4	Off	Off	On	Off

Note: Pins designated should be in the closed position. A = 3.2v, B = 2.2v, C = 2.1v, D = 2.2v, E = 2.1v.

CPU SPEED SELECTION (AM K6, CON'T)							
CPU speed	Clock speed	Multiplier	SW1/5	SW1/6	SW1/7	SW1/8	SW1/9
166MHz	66MHz	2.5x	Off	On	Off	Off	On
200MHz	66MHz	3x	Off	On	Off	Off	On
233MHz A	66MHz	3.5x	Off	Off	Off	On	On
233MHz B	66MHz	3.5x	Off	Off	On	Off	Off
233MHz C	66MHz	3.5x	Off	On	Off	Off	Off
266MHz D	66MHz	4x	On	Off	On	Off	Off
266MHz E	66MHz	4x	On	On	Off	Off	Off

CPU SPEED SELECTION (INTEL)							
CPU speed	Clock speed	Multiplier	JP3	SW1/1	SW1/2	SW1/3	SW1/4
90MHz	60MHz	1.5x	5 & 6	On	Off	Off	Off
100MHz	66MHz	1.5x	5 & 6	Off	Off	Off	Off
120MHz	60MHz	2x	5 & 6	On	Off	On	Off
133MHz	66MHz	2x	5 & 6	Off	Off	On	Off
150MHz	60MHz	2.5x	5 & 6	On	Off	On	On
166MHz	66MHz	2.5x	5 & 6	Off	Off	On	On
200MHz	66MHz	3x	5 & 6	Off	Off	Off	On

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL, CON'T)							
CPU speed	Clock speed	Multiplier	SW1/5	SW1/6	SW1/7	SW1/8	SW1/9
90MHz	60MHz	1.5x	Off	On	On	On	On
100MHz	66MHz	1.5x	Off	On	On	On	On
120MHz	60MHz	2x	Off	On	On	On	On
133MHz	66MHz	2x	Off	On	On	On	On
150MHz	60MHz	2.5x	Off	On	On	On	On
166MHz	66MHz	2.5x	Off	On	On	On	On
200MHz	66MHz	3x	Off	On	On	On	On

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CPU SPEED SELECTION (INTEL MMX)							
CPU speed	Clock speed	Multiplier	JP3	SW1/1	SW1/2	SW1/3	SW1/4
166MHz	66MHz	2.5x	3 & 4	Off	Off	On	On
200MHz	66MHz	3x	3 & 4	Off	Off	Off	On
233MHz	66MHz	3.5x	3 & 4	Off	Off	Off	Off

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL MMX, CON'T)							
CPU speed	Clock speed	Multiplier	SW1/5	SW1/6	SW1/7	SW1/8	SW1/9
166MHz	66MHz	2.5x	Off	Off	Off	Off	On
200MHz	66MHz	3x	Off	Off	Off	Off	On
233MHz	66MHz	3.5x	Off	Off	Off	Off	On

MODEM ON RING SELECTION	
Setting	JP11
On COM1	Pins 1 & 2 closed
On COM2	Pins 2 & 3 closed
Disabled	Open