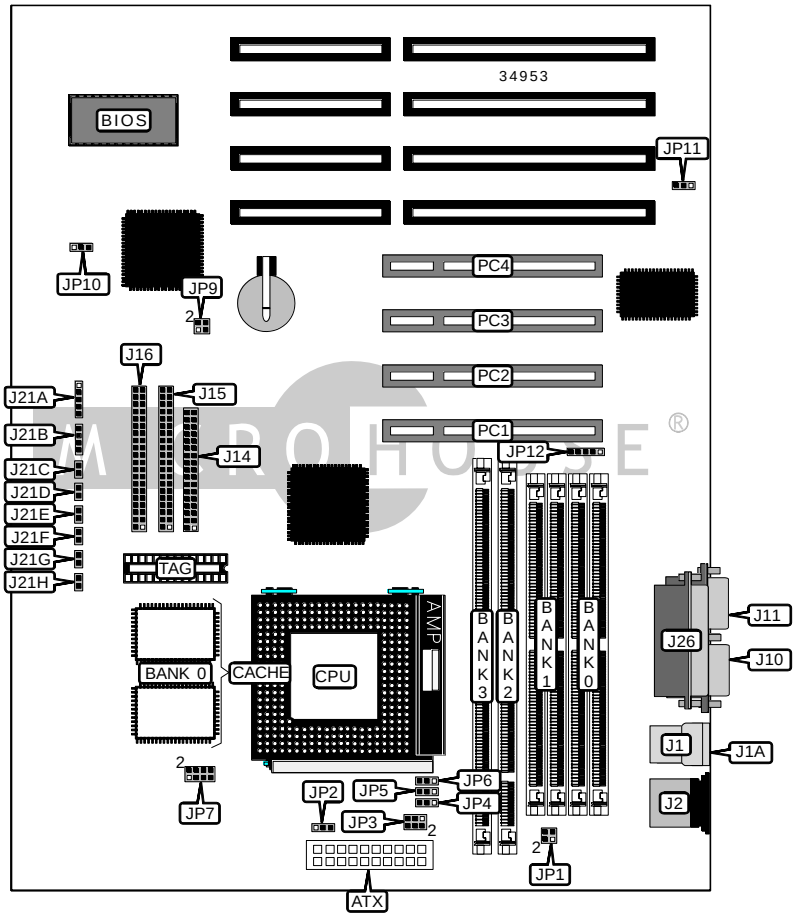
DIAMOND FLOWER, INC.
586IXTD (REV. C+)

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 3 & 4 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.		

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

CPU SPEED SELECTION (CX 6X86L)							
CPU speed	**Clock speed**	**Multiplier**	**JP3**	**JP4**	**JP5**	**JP6**	**JP9**
150MHz	60MHz	2x	1 & 2	1 & 2	2 & 3	Open	3 & 4
166MHz	66MHz	2x	1 & 2	1 & 2	2 & 3	Open	Open
Note: Pins designated should be in the closed position.							

CPU SPEED SELECTION (IBM 6X86L)							
CPU speed	**Clock speed**	**Multiplier**	**JP3**	**JP4**	**JP5**	**JP6**	**JP9**
150MHz	60MHz	2x	1 & 2	1 & 2	2 & 3	Open	3 & 4
166MHz	66MHz	2x	1 & 2	1 & 2	2 & 3	Open	Open
Note: Pins designated should be in the closed position.							

CPU SPEED SELECTION (CX 6X86MX)							
CPU speed	**Clock speed**	**Multiplier**	**JP3**	**JP4**	**JP5**	**JP6**	**JP9**
166MHz	60MHz	2x	1 & 2	2 & 3	2 & 3	Open	3 & 4
200MHz	66MHz	2x	1 & 2	2 & 3	2 & 3	Open	Open
Note: Pins designated should be in the closed position.							

CPU SPEED SELECTION (IBM 6X86MX)							
CPU speed	**Clock speed**	**Multiplier**	**JP3**	**JP4**	**JP5**	**JP6**	**JP9**
166MHz	60MHz	2x	1 & 2	2 & 3	2 & 3	Open	3 & 4
200MHz	66MHz	2x	1 & 2	2 & 3	2 & 3	Open	Open
Note: Pins designated should be in the closed position.							

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CPU SPEED SELECTION (AM K5)							
CPU speed	**Clock speed**	**Multiplier**	**JP3**	**JP4**	**JP5**	**JP6**	**JP9**
90MHz	60MHz	1.5x	5 & 6	1 & 2	1 & 2	Open	3 & 4
100MHz	66MHz	1.5x	5 & 6	1 & 2	1 & 2	Open	Open
120MHz	60MHz	2x	5 & 6	1 & 2	1 & 2	Open	3 & 4
133MHz	66MHz	2x	5 & 6	1 & 2	1 & 2	Open	Open
166MHz	66MHz	2.5x	5 & 6	2 & 3	2 & 3	Open	Open
Note: Pins designated should be 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	2 & 3	2 & 3	Open	Open
200MHz	66MHz	3x	1 & 2	2 & 3	1 & 2	Open	Open
233MHz	66MHz	3.5x	1 & 2	1 & 2	1 & 2	Open	Open
266MHz	66MHz	4x	1 & 2	2 & 3	1 & 2	2 & 3	Open
Note: Pins designated should be in the closed position.							

CPU SPEED SELECTION (INTEL)							
CPU speed	**Clock speed**	**Multiplier**	**JP3**	**JP4**	**JP5**	**JP6**	**JP9**
90MHz	60MHz	1.5x	5 & 6	1 & 2	1 & 2	Open	3 & 4
100MHz	66MHz	1.5x	5 & 6	1 & 2	1 & 2	Open	Open
120MHz	60MHz	2x	5 & 6	1 & 2	2 & 3	Open	3 & 4
133MHz	66MHz	2x	5 & 6	1 & 2	2 & 3	Open	Open
150MHz	60MHz	2.5x	5 & 6	2 & 3	2 & 3	Open	3 & 4
166MHz	66MHz	2.5x	5 & 6	2 & 3	2 & 3	Open	Open
200MHz	66MHz	3x	5 & 6	2 & 3	1 & 2	Open	Open
Note: Pins designated should be 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	2 & 3	2 & 3	Open	Open
200MHz	66MHz	3x	1 & 2	2 & 3	1 & 2	Open	Open
233MHz	66MHz	3.5x	1 & 2	1 & 2	1 & 2	Open	Open
Note: Pins designated should be in the closed position.							

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CPU VOLTAGE SELECTION				
Voltage	**JP7/pins 1 & 2**	**JP7/pins 3 & 4**	**JP7/pins 5 & 6**	**JP7/pins 7 & 8**
2.1v	Closed	Open	Open	Open
í 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
í COM2	Pins 2 & 3 closed
Disabled	Open