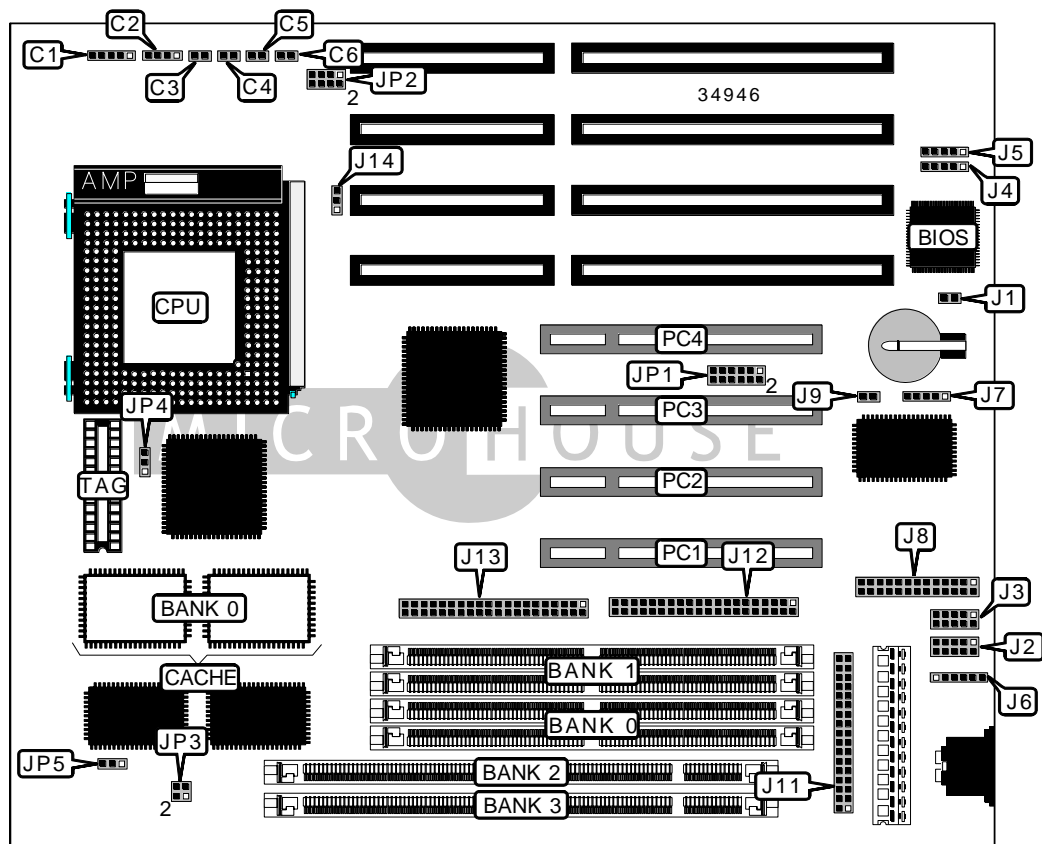


DIAMOND FLOWER, INC. C586VXG (REV. AD+)

Device Type	Mainboard
Processor	CX 6X86/IBM 6X86/CX 6X86L/IBM 6X86L/CX 686MX/IBM 6X86MX/ AM K5/AM K6/Pentium
Processor Speed	75/90/100/120/133/150/166/200/233MHz
Chip Set	Intel
Video Chip Set	None
Maximum Onboard Memory	128MB (EDO & SDRAM supported)
Maximum Video Memory	None
Cache	256/512KB
BIOS	Award
Dimensions	230mm x 220mm
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 connectors (2)
NPU Options	None



Continued on next page. . .

DIAMOND FLOWER, INC.
C586VXG (REV. AD+)

... continued from previous page

CONNECTIONS			
Purpose	Location	Purpose	Location
Power LED & keylock	C1	USB connector 2	J5
Speaker	C2	PS/2 mouse interface	J6
Reset switch	C3	IR connector	J7
Green PC connector	C4	Parallel port	J8
Green PC LED	C5	Floppy drive interface	J11
IDE interface LED	C6	IDE interface 1	J12
Serial port 1	J2	IDE interface 2	J13
Serial port 2	J3	Chassis fan power	J14
USB connector 1	J4	32-bit PCI slots	PC1 – PC4

USER CONFIGURABLE SETTINGS		
Function	Label	Position
í CMOS memory normal operation	J1	Closed
CMOS memory clear	J1	Open
í Password normal operation	J9	Open
Password clear	J9	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

Note: Board accepts EDO memory. Do not install SIMMs & DIMMs at the same time.

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DIAMOND FLOWER, INC.
C586VXG (REV. AD+)

... continued from previous page

DIMM CONFIGURATION		
Size	Bank 0	Bank 1
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) 8M x 64	(1) 8M x 64

Note: Board accepts SDRAM memory.

DIMM/SIMM JUMPER CONFIGURATION	
Setting	JP5
SIMMs installed	Pins 1 & 2 closed
DIMMs installed	Pins 2 & 3 closed

CACHE CONFIGURATION		
Size	Bank 0	TAG
256KB	(2) 32K x 32	Unidentified
512KB	(2) 64K x 32	Unidentified

CPU SPEED SELECTION (CX 6X86)					
CPU speed	Clock speed	Multiplier	JP1/pins 1 & 2	JP1/pins 3 & 4	JP1/pins 5 & 6
120MHz	50MHz	2x	Closed	Closed	Open
150MHz	60MHz	2x	Closed	Open	Open
166MHz	66MHz	2x	Open	Closed	Open

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DIAMOND FLOWER, INC.
C586VXG (REV. AD+)

... continued from previous page

CPU SPEED SELECTION (CX 6X86, CON'T)					
CPU speed	Clock speed	Multiplier	JP1/pins 7 & 8	JP1/pins 9 & 10	JP1/pins 11 & 12
120MHz	50MHz	2x	Closed	Open	Open
150MHz	60MHz	2x	Closed	Open	Open
166MHz	66MHz	2x	Closed	Open	Open

CPU SPEED SELECTION (IBM 6X86)					
CPU speed	Clock speed	Multiplier	JP1/pins 1 & 2	JP1/pins 3 & 4	JP1/pins 5 & 6
120MHz	50MHz	2x	Closed	Closed	Open
150MHz	60MHz	2x	Closed	Open	Open
166MHz	66MHz	2x	Open	Closed	Open

CPU SPEED SELECTION (IBM 6X86, CON'T)					
CPU speed	Clock speed	Multiplier	JP1/pins 7 & 8	JP1/pins 9 & 10	JP1/pins 11 & 12
120MHz	50MHz	2x	Closed	Open	Open
150MHz	60MHz	2x	Closed	Open	Open
166MHz	66MHz	2x	Closed	Open	Open

CPU SPEED SELECTION (CX 6X86L)					
CPU speed	Clock speed	Multiplier	JP1/pins 1 & 2	JP1/pins 3 & 4	JP1/pins 5 & 6
166MHz	66MHz	2x	Open	Closed	Open

CPU SPEED SELECTION (CX 6X86L, CON'T)					
CPU speed	Clock speed	Multiplier	JP1/pins 7 & 8	JP1/pins 9 & 10	JP1/pins 11 & 12
166MHz	66MHz	2x	Closed	Open	Open

CPU SPEED SELECTION (IBM 6X86L)					
CPU speed	Clock speed	Multiplier	JP1/pins 1 & 2	JP1/pins 3 & 4	JP1/pins 5 & 6
166MHz	66MHz	2x	Open	Closed	Open

CPU SPEED SELECTION (IBM 6X86L, CON'T)					
CPU speed	Clock speed	Multiplier	JP1/pins 7 & 8	JP1/pins 9 & 10	JP1/pins 11 & 12
166MHz	66MHz	2x	Closed	Open	Open

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DIAMOND FLOWER, INC.
C586VXG (REV. AD+)

... continued from previous page

CPU SPEED SELECTION (CX 6X86 MX)					
CPU speed	Clock speed	Multiplier	JP1/pins 1 & 2	JP1/pins 3 & 4	JP1/pins 5 & 6
166MHz	60MHz	2.5x	Closed	Open	Open
200MHz	66MHz	2.5x	Open	Closed	Open

CPU SPEED SELECTION (CX 6X86 MX, CON'T)					
CPU speed	Clock speed	Multiplier	JP1/pins 7 & 8	JP1/pins 9 & 10	JP1/pins 11 & 12
166MHz	60MHz	2.5x	Closed	Closed	Open
200MHz	66MHz	2.5x	Closed	Closed	Open

CPU SPEED SELECTION (IBM 6X86 MX)					
CPU speed	Clock speed	Multiplier	JP1/pins 1 & 2	JP1/pins 3 & 4	JP1/pins 5 & 6
166MHz	60MHz	2.5x	Closed	Open	Open
200MHz	66MHz	2.5x	Open	Closed	Open

CPU SPEED SELECTION (IBM 6X86 MX, CON'T)					
CPU speed	Clock speed	Multiplier	JP1/pins 7 & 8	JP1/pins 9 & 10	JP1/pins 11 & 12
166MHz	60MHz	2.5x	Closed	Closed	Open
200MHz	66MHz	2.5x	Closed	Closed	Open

CPU SPEED SELECTION (AM K5)					
CPU speed	Clock speed	Multiplier	JP1/pins 1 & 2	JP1/pins 3 & 4	JP1/pins 5 & 6
90MHz	60MHz	1.5x	Closed	Open	Open
100MHz	66MHz	1.5x	Open	Closed	Open
120MHz	60MHz	1.5x	Closed	Open	Open
133MHz	66MHz	1.5x	Open	Closed	Open
166MHz	66MHz	1.75x	Open	Closed	Open

CPU SPEED SELECTION (AM K5, CON'T)					
CPU speed	Clock speed	Multiplier	JP1/pins 7 & 8	JP1/pins 9 & 10	JP1/pins 11 & 12
90MHz	60MHz	1.5x	Open	Open	Open
100MHz	66MHz	1.5x	Open	Open	Open
120MHz	60MHz	1.5x	Open	Open	Open
133MHz	66MHz	1.5x	Open	Open	Open
166MHz	66MHz	1.75x	Closed	Closed	Open

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DIAMOND FLOWER, INC.
C586VXG (REV. AD+)

... continued from previous page

CPU SPEED SELECTION (AM K6)					
CPU speed	Clock speed	Multiplier	JP1/pins 1 & 2	JP1/pins 3 & 4	JP1/pins 5 & 6
166MHz	66MHz	2.5x	Open	Closed	Open
200MHz	66MHz	3x	Open	Closed	Open
233MHz	66MHz	3.5x	Open	Closed	Open
266MHz	66MHz	4x	Open	Closed	Open

CPU SPEED SELECTION (AM K6, CON'T)					
CPU speed	Clock speed	Multiplier	JP1/pins 7 & 8	JP1/pins 9 & 10	JP1/pins 11 & 12
166MHz	66MHz	2.5x	Closed	Closed	Open
200MHz	66MHz	3x	Open	Closed	Open
233MHz	66MHz	3.5x	Open	Open	Open
266MHz	66MHz	4x	Open	Open	Closed

CPU SPEED SELECTION (INTEL)					
CPU speed	Clock speed	Multiplier	JP1/pins 1 & 2	JP1/pins 3 & 4	JP1/pins 5 & 6
90MHz	60MHz	1.5x	Closed	Open	Open
100MHz	66MHz	1.5x	Open	Closed	Open
120MHz	60MHz	2x	Closed	Open	Open
133MHz	66MHz	2x	Open	Closed	Open
150MHz	60MHz	2.5x	Closed	Open	Open
166MHz	66MHz	2.5x	Open	Closed	Open
200MHz	66MHz	3x	Open	Closed	Open

CPU SPEED SELECTION (INTEL, CON'T)					
CPU speed	Clock speed	Multiplier	JP1/pins 7 & 8	JP1/pins 9 & 10	JP1/pins 11 & 12
90MHz	60MHz	1.5x	Open	Open	Open
100MHz	66MHz	1.5x	Open	Open	Open
120MHz	60MHz	2x	Closed	Open	Open
133MHz	66MHz	2x	Closed	Open	Open
150MHz	60MHz	2.5x	Closed	Closed	Open
166MHz	66MHz	2.5x	Closed	Closed	Open
200MHz	66MHz	3x	Open	Closed	Open

Continued on next page. . .

DIAMOND FLOWER, INC.
C586VXG (REV. AD+)

... continued from previous page

CPU SPEED SELECTION (INTEL MMX)					
CPU speed	Clock speed	Multiplier	JP1/pins 1 & 2	JP1/pins 3 & 4	JP1/pins 5 & 6
166MHz	66MHz	2.5x	Open	Closed	Open
200MHz	66MHz	3x	Open	Closed	Open
233MHz	66MHz	3.5x	Open	Closed	Open

CPU SPEED SELECTION (INTEL MMX, CON'T)					
CPU speed	Clock speed	Multiplier	JP1/pins 7 & 8	JP1/pins 9 & 10	JP1/pins 11 & 12
166MHz	66MHz	2.5x	Closed	Closed	Open
200MHz	66MHz	3x	Open	Closed	Open
233MHz	66MHz	3.5x	Open	Open	Open

CPU VOLTAGE SELECTION				
Voltage	JP2/pins 1 & 2	JP2/pins 3 & 4	JP2/pins 5 & 6	JP2/pins 7 & 8
2.8v	Open	Open	Open	Closed
2.9v	Closed	Open	Open	Closed
3.3v (CX 6X86L)	Closed	Open	Closed	Closed
3.3v	Closed	Open	Closed	Closed
3.5v	Closed	Closed	Closed	Closed

CPU VOLTAGE SELECTION (CON'T)			
Voltage	JP3/pins 1 & 2	JP3/pins 3 & 4	JP4
2.8v	Open	Closed	1 & 2
2.9v	Open	Closed	1 & 2
3.3v (CX 6X86L)	Closed	Open	1 & 2
3.3v	Open	Closed	2 & 3
3.5v	Open	Closed	2 & 3

Note: Pins designated should be in the closed position.