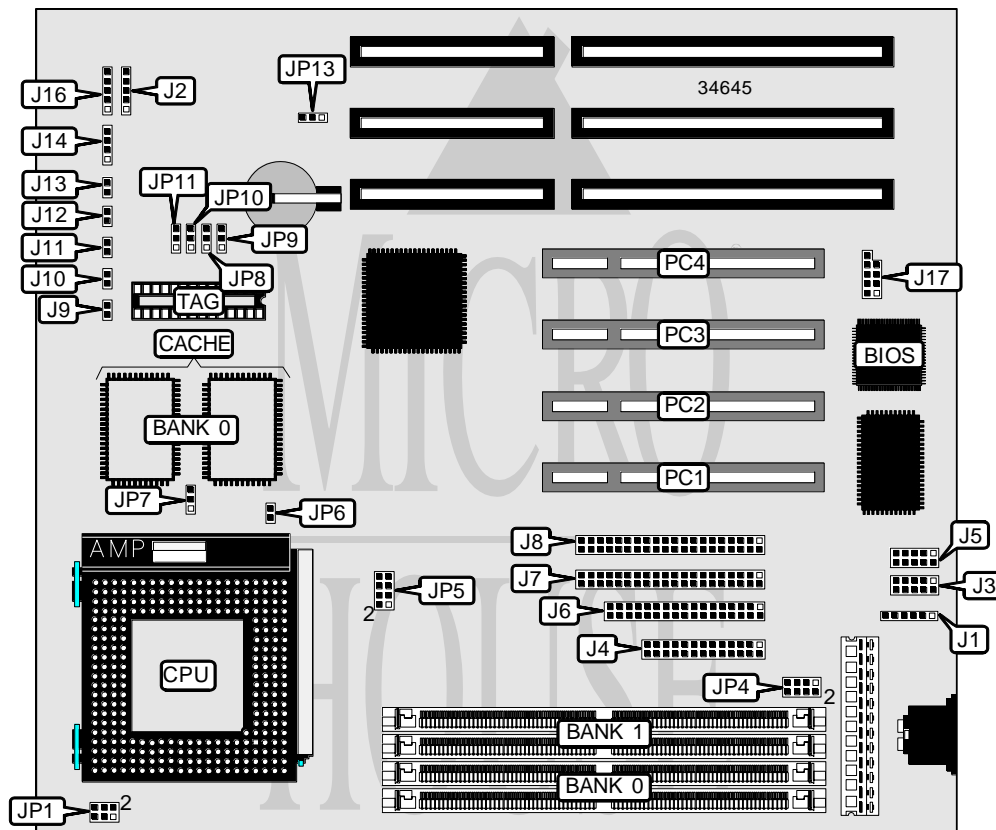


DIAMOND FLOWER, INC.

586STEG (REV. A+)

Processor	CX 6X86L/CX 686MX/IBM 6X86L/IBM 686MX/AM K5/AM K6/Pentium
Processor Speed	90/100/120/133/150/166/180/200/233/266MHz
Chip Set	SIS
Video Chip Set	None
Maximum Onboard Memory	256MB (EDO supported)
Maximum Video Memory	None
Cache	256/512KB
BIOS	Award
Dimensions	254mm x 218mm
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 connector
NPU Options	None



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CONNECTIONS			
Purpose	Location	Purpose	Location
PS/2 mouse interface	J1	IDE interface LED	J10
IR connector	J2	Green PC LED	J11
Serial port 2	J3	PS/2 mouse port	J12
Parallel port	J4	Reset switch	J13
Serial port 1	J5	Speaker	J14
Floppy drive interface	J6	Power LED & keylock	J15
IDE interface 2	J7	USB connector	J17
IDE interface 1	J8	32-bit PCI slots	PC1 – PC4
Turbo LED	J9		

USER CONFIGURABLE SETTINGS		
Function	Label	Position
í Cache type select linear burst	JP6	Open
Cache type select interleave	JP6	Closed
í CMOS memory normal operation	JP13	Pins 1 & 2 closed
CMOS memory clear	JP13	Pins 2 & 3 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.

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

CPU SPEED SELECTION (CX 6X86L)				
CPU speed	Clock speed	Multiplier	JP1	JP4
150MHz	60MHz	2x	1 & 2	3 & 4, 5 & 6
166MHz	66MHz	2x	1 & 2	5 & 6
200MHz	75MHz	2x	1 & 2	3 & 4

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (CX 6X86L, CON'T)						
CPU speed	Clock speed	Multiplier	JP8	JP9	JP10	JP11
150MHz	60MHz	2x	1 & 2	1 & 2	2 & 3	2 & 3
166MHz	66MHz	2x	1 & 2	2 & 3	1 & 2	2 & 3
200MHz	75MHz	2x	2 & 3	1 & 2	2 & 3	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (CX 6X86MX)				
CPU speed	Clock speed	Multiplier	JP1	JP4
166MHz	60MHz	2x	1 & 2, 3 & 4	3 & 4, 5 & 6
166MHz	66MHz	2x	1 & 2	5 & 6
200MHz	66MHz	3x	1 & 2, 3 & 4	5 & 6
200MHz	75MHz	3x	1 & 2	3 & 4

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (CX 6X86MX, CON'T)						
CPU speed	Clock speed	Multiplier	JP8	JP9	JP10	JP11
166MHz	60MHz	2x	1 & 2	1 & 2	2 & 3	2 & 3
166MHz	66MHz	2x	1 & 2	2 & 3	1 & 2	2 & 3
200MHz	66MHz	3x	1 & 2	2 & 3	1 & 2	2 & 3
200MHz	75MHz	3x	2 & 3	1 & 2	2 & 3	1 & 2

Note: Pins designated should be in the closed position.

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CPU SPEED SELECTION (IBM 6X86L)				
CPU speed	Clock speed	Multiplier	JP1	JP4
150MHz	60MHz	2x	1 & 2	3 & 4, 5 & 6
166MHz	66MHz	2x	1 & 2	5 & 6
200MHz	75MHz	2x	1 & 2	3 & 4

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (IBM 6X86L, CON'T)						
CPU speed	Clock speed	Multiplier	JP8	JP9	JP10	JP11
150MHz	60MHz	2x	1 & 2	1 & 2	2 & 3	2 & 3
166MHz	66MHz	2x	1 & 2	2 & 3	1 & 2	2 & 3
200MHz	75MHz	2x	2 & 3	1 & 2	2 & 3	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (IBM 6X86MX)				
CPU speed	Clock speed	Multiplier	JP1	JP4
166MHz	60MHz	2x	1 & 2, 3 & 4	3 & 4, 5 & 6
166MHz	66MHz	2x	1 & 2	5 & 6
200MHz	66MHz	3x	1 & 2, 3 & 4	5 & 6
200MHz	75MHz	3x	1 & 2	3 & 4

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (IBM 6X86MX, CON'T)						
CPU speed	Clock speed	Multiplier	JP8	JP9	JP10	JP11
166MHz	60MHz	2x	1 & 2	1 & 2	2 & 3	2 & 3
166MHz	66MHz	2x	1 & 2	2 & 3	1 & 2	2 & 3
200MHz	66MHz	3x	1 & 2	2 & 3	1 & 2	2 & 3
200MHz	75MHz	3x	2 & 3	1 & 2	2 & 3	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K5)				
CPU speed	Clock speed	Multiplier	JP1	JP4
90MHz	60MHz	1.5x	Open	3 & 4, 5 & 6
100MHz	66MHz	1.5x	Open	5 & 6
120MHz	60MHz	1.5x	Open	3 & 4, 5 & 6
133MHz	66MHz	1.5x	Open	5 & 6
166MHz	66MHz	2.5x	1 & 2, 3 & 4	5 & 6

Note: Pins designated should be in the closed position.

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CPU SPEED SELECTION (AM K5, CON'T)						
CPU speed	Clock speed	Multiplier	JP8	JP9	JP10	JP11
90MHz	60MHz	1.5x	1 & 2	1 & 2	2 & 3	2 & 3
100MHz	66MHz	1.5x	1 & 2	2 & 3	1 & 2	2 & 3
120MHz	60MHz	1.5x	1 & 2	1 & 2	2 & 3	2 & 3
133MHz	66MHz	1.5x	1 & 2	2 & 3	1 & 2	2 & 3
166MHz	66MHz	2.5x	1 & 2	2 & 3	1 & 2	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K6)				
CPU speed	Clock speed	Multiplier	JP1	JP4
166MHz	66MHz	2.5x	1 & 2, 3 & 4	5 & 6
200MHz	66MHz	3x	3 & 4	5 & 6
233MHz	66MHz	3.5x	Open	5 & 6

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K6, CON'T)						
CPU speed	Clock speed	Multiplier	JP8	JP9	JP10	JP11
166MHz	66MHz	2.5x	1 & 2	2 & 3	1 & 2	2 & 3
200MHz	66MHz	3x	1 & 2	2 & 3	1 & 2	2 & 3
233MHz	66MHz	3.5x	1 & 2	2 & 3	1 & 2	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL)				
CPU speed	Clock speed	Multiplier	JP1	JP4
90MHz	60MHz	1.5x	Open	3 & 4, 5 & 6
100MHz	66MHz	1.5x	Open	5 & 6
120MHz	60MHz	2x	1 & 2	3 & 4, 5 & 6
133MHz	66MHz	2x	1 & 2	5 & 6
150MHz	60MHz	2.5x	1 & 2, 3 & 4	3 & 4, 5 & 6
166MHz	66MHz	2.5x	1 & 2, 3 & 4	5 & 6
200MHz	66MHz	3x	3 & 4	5 & 6
233MHz	66MHz	3.5x	Open	5 & 6

Note: Pins designated should be in the closed position.

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CPU SPEED SELECTION (INTEL, CON'T)						
CPU speed	Clock speed	Multiplier	JP8	JP9	JP10	JP11
90MHz	60MHz	1.5x	1 & 2	1 & 2	2 & 3	2 & 3
100MHz	66MHz	1.5x	1 & 2	2 & 3	1 & 2	2 & 3
120MHz	60MHz	2x	1 & 2	1 & 2	2 & 3	2 & 3
133MHz	66MHz	2x	1 & 2	2 & 3	1 & 2	2 & 3
150MHz	60MHz	2.5x	1 & 2	1 & 2	2 & 3	2 & 3
166MHz	66MHz	2.5x	1 & 2	2 & 3	1 & 2	2 & 3
200MHz	66MHz	3x	1 & 2	2 & 3	1 & 2	2 & 3
233MHz	66MHz	3.5x	1 & 2	2 & 3	1 & 2	2 & 3

Note: Pins designated should be in the closed position.

CPU VOLTAGE SELECTION		
Voltage	JP5	JP7
2.8v	Pins 1 & 2, 3 & 4, 5 & 6 closed	Pins 2 & 3 closed
2.9v	Pins 3 & 4, 5 & 6 closed	Pins 2 & 3 closed
3.0v	Pins 1 & 2, 5 & 6 closed	Pins 2 & 3 closed
3.1v	Pins 5 & 6 closed	Pins 2 & 3 closed
3.2v	Pins 1 & 2, 3 & 4 closed	Pins 2 & 3 closed
3.3v	Pins 3 & 4 closed	Pins 1 & 2 closed
3.5v	Open	Pins 1 & 2 closed