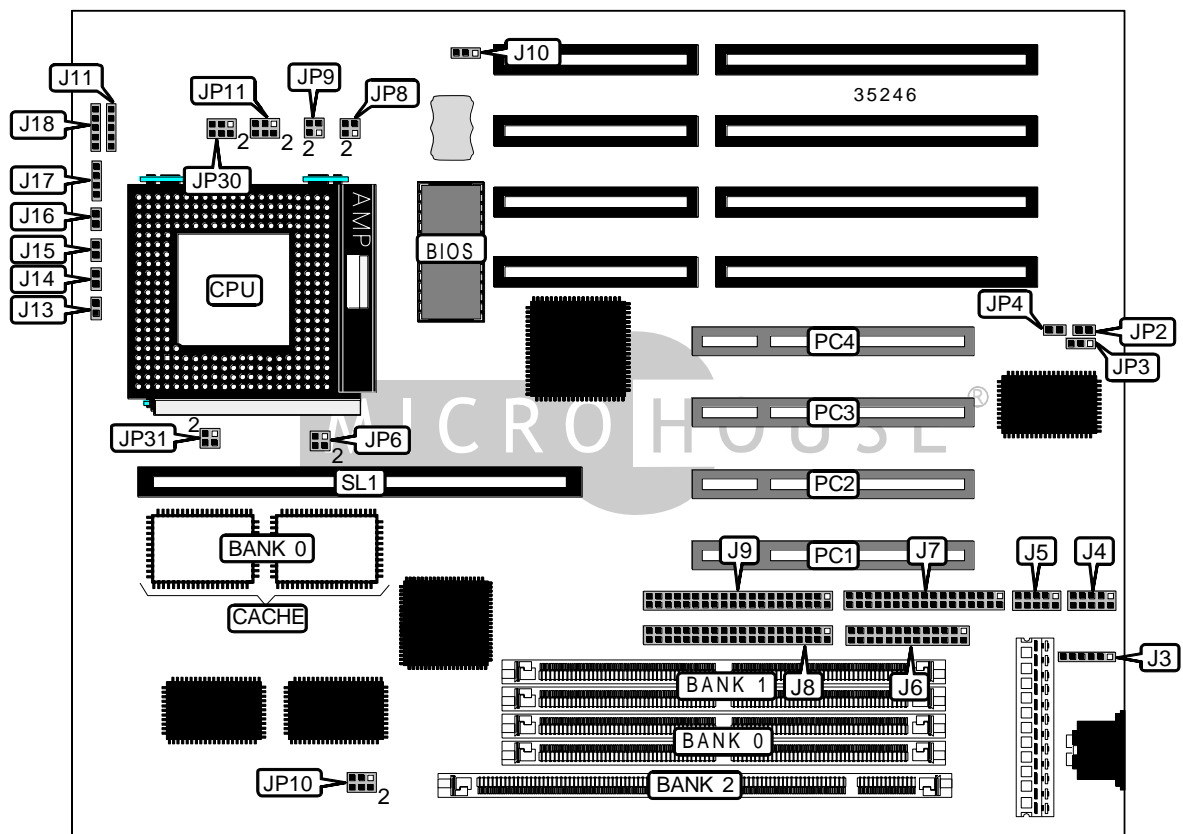


DIAMOND FLOWER, INC.
G586IPVF (REV. A+)

Device Type	Mainboard
Processor	CX 6X86/AM K5/Pentium
Processor Speed	75/90/100/120/133/150/166/200MHz
Chip Set	Intel
Video Chip Set	None
Maximum Onboard Memory	128MB (EDO & SDRAM supported)
Maximum Video Memory	None
Cache	256/512KB
BIOS	Award
Dimensions	260mm x 220mm
I/O Options (backplane)	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
NPU Options	None



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CONNECTIONS			
Purpose	Location	Purpose	Location
PS/2 mouse interface	J3	IDE interface LED	J13
Serial port 1	J4	Green PC LED	J14
Serial port 2	J5	Green PC connector	J15
Floppy drive interface	J6	Reset switch	J16
Parallel port	J7	Speaker	J17
IDE interface 1	J8	Power LED & keylock	J18
IDE interface 2	J9	32-bit PCI slots	PC1 – PC4
Chassis fan power	J10	Cache slot	SL1
IR connector	J11		

USER CONFIGURABLE SETTINGS		
Function	Label	Position
í Password normal operation	JP2	Open
Password clear	JP2	Closed
í Monitor type select color	JP3	Pins 1 & 2 closed
Monitor type select monochrome	JP3	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

Note: Board accepts EDO memory.

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DIMM CONFIGURATION	
Size	Bank 2
8MB	(1) 1M x 64
16MB	(1) 2M x 64
32MB	(1) 4M x 64
64MB	(1) 8M x 64
128MB	(1) 16M x 64

Note: Board accepts SDRAM memory.

MEMORY CONFIGURATION	
Type	JP10
í SIMMs installed	Pins 1 & 3, 2 & 4 closed
DIMMs installed	Pins 3 & 5, 4 & 6 closed

CACHE CONFIGURATION			
Size	Bank 0	SL1	TAG
256KB	(2) 32K x 32	Not installed	Unidentified
512KB	(2) 32K x 32	256KB module installed	Unidentified

CPU SPEED SELECTION (CX 6X86)					
CPU speed	Clock speed	Multiplier	JP4	JP6	JP8
120MHz	50MHz	2x	Open	1 & 2, 3 & 4	1 & 2
133MHz	55MHz	2x	Open	Open	1 & 2
150MHz	60MHz	2x	Closed	1 & 2	1 & 2
166MHz	66MHz	2x	Closed	3 & 4	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K5)					
CPU speed	Clock speed	Multiplier	JP4	JP6	JP8
75MHz	50MHz	1.5x	Open	1 & 2, 3 & 4	Open
90MHz	60MHz	1.5x	Closed	1 & 2	Open

Note: Pins designated should be in the closed position.

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CPU SPEED SELECTION (INTEL)					
CPU speed	Clock speed	Multiplier	JP4	JP6	JP8
75MHz	50MHz	1.5x	Open	1 & 2, 3 & 4	Open
90MHz	60MHz	1.5x	Closed	1 & 2	Open
100MHz	66MHz	1.5x	Closed	3 & 4	Open
120MHz	60MHz	2x	Closed	1 & 2	1 & 2
133MHz	66MHz	2x	Closed	3 & 4	1 & 2
150MHz	60MHz	2.5x	Closed	1 & 2	1 & 2, 3 & 4
166MHz	66MHz	2.5x	Closed	3 & 4	1 & 2, 3 & 4
200MHz	66MHz	3x	Closed	3 & 4	3 & 4

Note: Pins designated should be in the closed position.

CPU VOLTAGE SELECTION				
Voltage	JP9	JP11	JP30	JP31
2.5v	1 & 2	1 & 3, 2 & 4	1 & 2	Open
2.8v	1 & 2	1 & 3, 2 & 4	3 & 4	Open
2.9v	1 & 2	1 & 3, 2 & 4	5 & 6	Open
3.3v	1 & 2	3 & 5, 4 & 6	3 & 4	1 & 2, 3 & 4
3.52v	3 & 4	3 & 5, 4 & 6	3 & 4	1 & 2, 3 & 4

Note: Pins designated should be in the closed position.