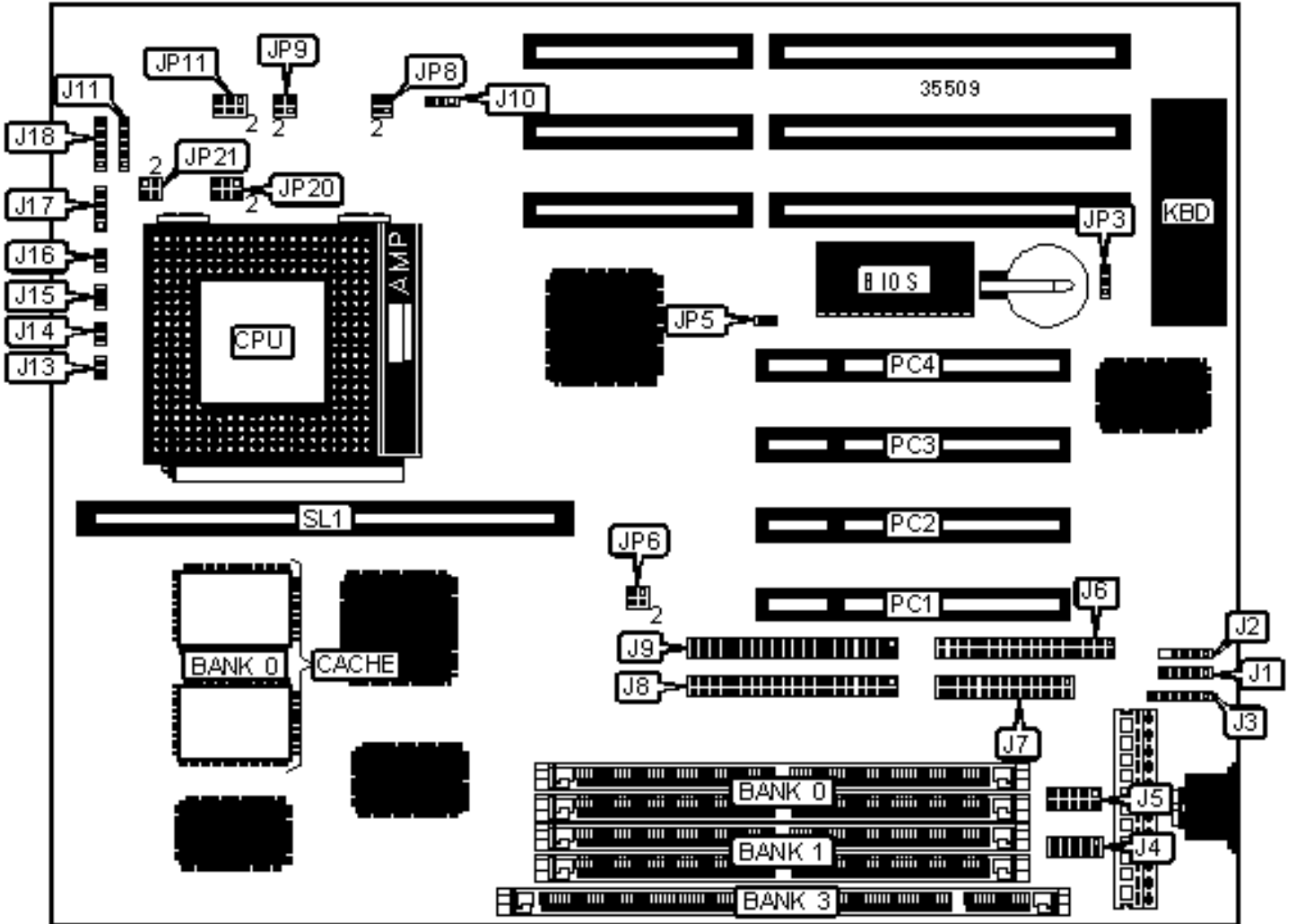


DIAMOND FLOWER, INC.

586VXD (REV. CH1+)

Configuration



CONNECTIONS

Purpose	Location	Purpose	Location
USB connector 1	J1	IR connector	J11
USB connector 2	J2	IDE interface LED	J13
PS/2 mouse interface	J3	Green PC LED	J14
Serial port 1	J4	Green PC connector	J15
Serial port 2	J5	Reset switch	J16
Floppy drive interface	J6	Speaker	J17
Parallel port	J7	Power LED & keylock	J18
IDE interface 1	J8	32-bit PCI slots	PC1 - PC4
IDE interface 2	J9	Cache slot	SL1
Chassis fan power	J10		

USER CONFIGURABLE SETTINGS

Function	Label	Position
» Monitor type select color	JP3	Pins 1 & 2 closed
Monitor type select monochrome	JP3	Pins 2 & 3 closed
» CMOS memory normal operation	JP5	Open
CMOS memory clear	JP5	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. Banks 0 & 1 are interchangeable. SIMM and DIMM memory cannot be used together.

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 EDO memory. SIMM and DIMM memory cannot be used together.

CACHE CONFIGURATION

Size	Bank 0	SL1
256KB	(2) 32K x 32	None
512KB	(2) 32K x 32	256KB module installed
512KB	(2) 64K x 32	Not installed

CPU SPEED SELECTION (CX 6X86)

CPU speed	Clock speed	Multiplier	JP6	JP8
120MHz	50MHz	2x	1 & 2, 3 & 4	1 & 2
133MHz	55MHz	2x	Open	1 & 2
150MHz	60MHz	2x	1 & 2	1 & 2
166MHz	66MHz	2x	3 & 4	1 & 2

Note: Pins designated are in the closed position.

CPU SPEED SELECTION (AM K5)

CPU speed	Clock speed	Multiplier	JP6	JP8
75MHz	50MHz	1.5x	1 & 2, 3 & 4	Open
90MHz	60MHz	1.5x	1 & 2	Open
100MHz	66MHz	1.5x	3 & 4	Open
120MHz	60MHz	1.5x	1 & 2	Open
133MHz	66MHz	1.5x	3 & 4	Open
166MHz	66MHz	2.5x	3 & 4	1 & 2, 3 & 4

Note: Pins designated are in the closed position.

CPU SPEED SELECTION (AM K6)

CPU speed	Clock speed	Multiplier	JP6	JP8
166MHz	66MHz	2.5x	3 & 4	1 & 2, 3 & 4

Note: Pins designated are in the closed position.

CPU SPEED SELECTION (INTEL)

CPU speed	Clock speed	Multiplier	JP6	JP8
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75MHz	50MHz	1.5x	1 & 2, 3 & 4	Open
90MHz	60MHz	1.5x	1 & 2	Open
100MHz	66MHz	1.5x	3 & 4	Open
120MHz	60MHz	2x	1 & 2	1 & 2
133MHz	66MHz	2x	3 & 4	1 & 2
150MHz	60MHz	2.5x	1 & 2	1 & 2, 3 & 4
166MHz	66MHz	2.5x	3 & 4	1 & 2, 3 & 4
200MHz	66MHz	3x	3 & 4	3 & 4
Note: Pins designated are in the closed position.				

CPU SPEED SELECTION (INTEL MMX)				
CPU speed	Clock speed	Multiplier	JP6	JP8
166MHz	66MHz	2.5x	3 & 4	1 & 2, 3 & 4
200MHz	66MHz	3x	3 & 4	3 & 4
233MHz	66MHz	3.5x	3 & 4	Open
Note: Pins designated are in the closed position.				

CPU VOLTAGE SELECTION (SINGLE)				
Voltage	JP9	JP11	JP20	JP21
» 3.3v	1 & 2	3 & 5, 4 & 6	3 & 4	1 & 2, 3 & 4
3.5v	3 & 4	3 & 5, 4 & 6	3 & 4	1 & 2, 3 & 4
Note: Pins designated are in the closed position.				

CPU VOLTAGE SELECTION (DUAL)					
V Core	V I/O	JP9	JP11	JP20	JP21
3.3v	2.5v	1 & 2	1 & 3, 2 & 4	5 & 6	Open

3.3v	2.8v	1 & 2	1 & 3, 2 & 4	3 & 4	Open
3.3v	2.9v	1 & 2	1 & 3, 2 & 4	1 & 2	Open

Note: Pins designated are in the closed position.