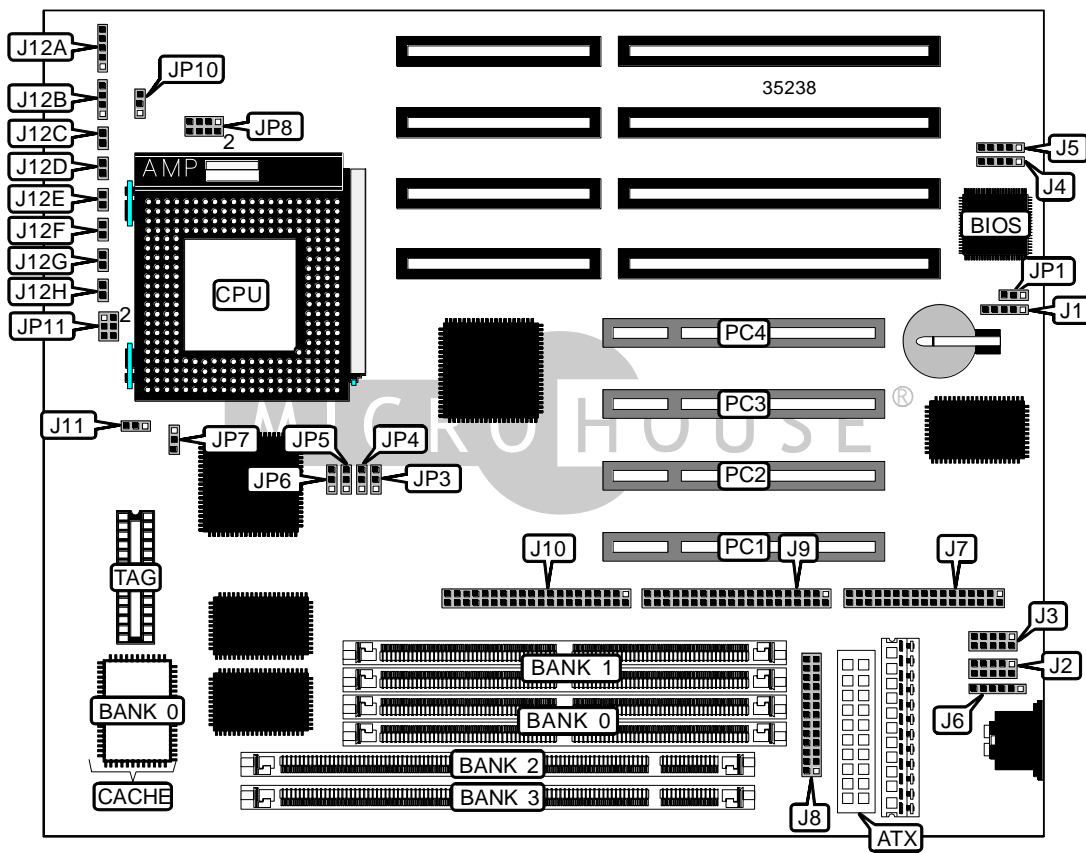


DIAMOND FLOWER, INC. P5BVP (REV. A+)

Device Type	Mainboard
Processor	CX 6X86L/CX 686MX/AM K5/AM K6/Pentium/Pentium MMX
Processor Speed	90/100/120/133/150/166/200/233MHz
Chip Set	VIA
Video Chip Set	None
Maximum Onboard Memory	256MB (EDO & SDRAM supported)
Maximum Video Memory	None
Cache	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 connectors (2), ATX power connector
NPU Options	None



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CONNECTIONS			
Purpose	Location	Purpose	Location
ATX power connector	ATX	Chassis fan power	J11
IR connector	J1	Power LED & keylock	J12A
Serial port 1	J2	Speaker	J12B
Serial port 2	J3	Reset switch	J12C
USB connector 1	J4	Green PC connector	J12D
USB connector 2	J5	Green PC LED	J12E
PS/2 mouse interface	J6	IDE interface LED	J12F
Parallel port	J7	Soft off power supply	J12G
Floppy drive interface	J8	ATX LED	J12H
IDE interface 2	J9	32-bit PCI slots	PC1 – PC4
IDE interface 1	J10		

USER CONFIGURABLE SETTINGS		
Function	Label	Position
CMOS memory normal operation	JP1	Pins 2 & 3 closed
CMOS memory clear	JP1	Pins 1 & 2 closed
Power type select ATX	JP10	Pins 1 & 2 closed
Power type select AT	JP10	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

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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.		

CACHE CONFIGURATION		
Size	Bank 0	TAG
512KB	(1) 64K x 64	Unidentified

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CPU SPEED SELECTION (CX 6X86L)							
CPU speed	Clock speed	Multiplier	JP3	JP4	JP5	JP6	JP11
150MHz	60MHz	2x	1 & 2	2 & 3	2 & 3	1 & 2	1 & 2
166MHz	66MHz	2x	2 & 3	1 & 2	2 & 3	1 & 2	1 & 2
200MHz	75MHz	2x	1 & 2	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	JP3	JP4	JP5	JP6	JP11
166MHz	60MHz	2.5x	1 & 2	2 & 3	2 & 3	1 & 2	1 & 2, 3 & 4
200MHz	66MHz	2.5x	2 & 3	1 & 2	2 & 3	1 & 2	1 & 2, 3 & 4
200MHz	75MHz	2x	1 & 2	2 & 3	1 & 2	2 & 3	1 & 2
233MHz	75MHz	2.5x	1 & 2	2 & 3	1 & 2	2 & 3	1 & 2, 3 & 4

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K5)							
CPU speed	Clock speed	Multiplier	JP3	JP4	JP5	JP6	JP11
90MHz	60MHz	1.5x	1 & 2	2 & 3	2 & 3	1 & 2	Open
100MHz	66MHz	1.5x	2 & 3	1 & 2	2 & 3	1 & 2	Open
120MHz	60MHz	1.5x	1 & 2	2 & 3	2 & 3	1 & 2	Open
133MHz	66MHz	1.5x	2 & 3	1 & 2	2 & 3	1 & 2	Open
166MHz	66MHz	2.5x	2 & 3	1 & 2	2 & 3	1 & 2	1 & 2, 3 & 4

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K6)							
CPU speed	Clock speed	Multiplier	JP3	JP4	JP5	JP6	JP11
166MHz	66MHz	2.5x	2 & 3	1 & 2	2 & 3	1 & 2	1 & 2, 3 & 4
200MHz	66MHz	3x	2 & 3	1 & 2	2 & 3	1 & 2	3 & 4
233MHz	66MHz	3.5x	2 & 3	1 & 2	2 & 3	1 & 2	Open
266MHz	66MHz	4x	2 & 3	1 & 2	2 & 3	1 & 2	5 & 6

Note: Pins designated should be in the closed position.

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CPU SPEED SELECTION (INTEL)							
CPU speed	Clock speed	Multiplier	JP3	JP4	JP5	JP6	JP11
90MHz	60MHz	1.5x	1 & 2	2 & 3	2 & 3	1 & 2	Open
100MHz	66MHz	1.5x	2 & 3	1 & 2	2 & 3	1 & 2	Open
120MHz	60MHz	2x	1 & 2	2 & 3	2 & 3	1 & 2	1 & 2
133MHz	66MHz	2x	2 & 3	1 & 2	2 & 3	1 & 2	1 & 2
150MHz	60MHz	2.5x	1 & 2	2 & 3	2 & 3	1 & 2	1 & 2, 3 & 4
166MHz	66MHz	2.5x	2 & 3	1 & 2	2 & 3	1 & 2	1 & 2, 3 & 4
200MHz	66MHz	3x	2 & 3	1 & 2	2 & 3	1 & 2	3 & 4

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL MMX)							
CPU speed	Clock speed	Multiplier	JP3	JP4	JP5	JP6	JP11
166MHz	66MHz	2.5x	2 & 3	1 & 2	2 & 3	1 & 2	1 & 2, 3 & 4
200MHz	66MHz	3x	2 & 3	1 & 2	2 & 3	1 & 2	3 & 4
233MHz	66MHz	3.5x	2 & 3	1 & 2	2 & 3	1 & 2	Open

Note: Pins designated should be in the closed position.

CPU VOLTAGE SELECTION		
Voltage	JP7	JP8
2.1v	Pins 1 & 2 closed	Pins 1 & 2 closed
2.2v	Pins 1 & 2 closed	Pins 3 & 4 closed
2.8v	Pins 1 & 2 closed	Pins 7 & 8 closed
2.9v	Pins 1 & 2 closed	Pins 1 & 2, 7 & 8 closed
3.2v	Pins 1 & 2 closed	Pins 5 & 6, 7 & 8 closed
3.3v	Pins 2 & 3 closed	Pins 1 & 2, 5 & 6, 7 & 8 closed
3.5v	Pins 2 & 3 closed	Pins 1 & 2, 3 & 4, 5 & 6, 7 & 8 closed