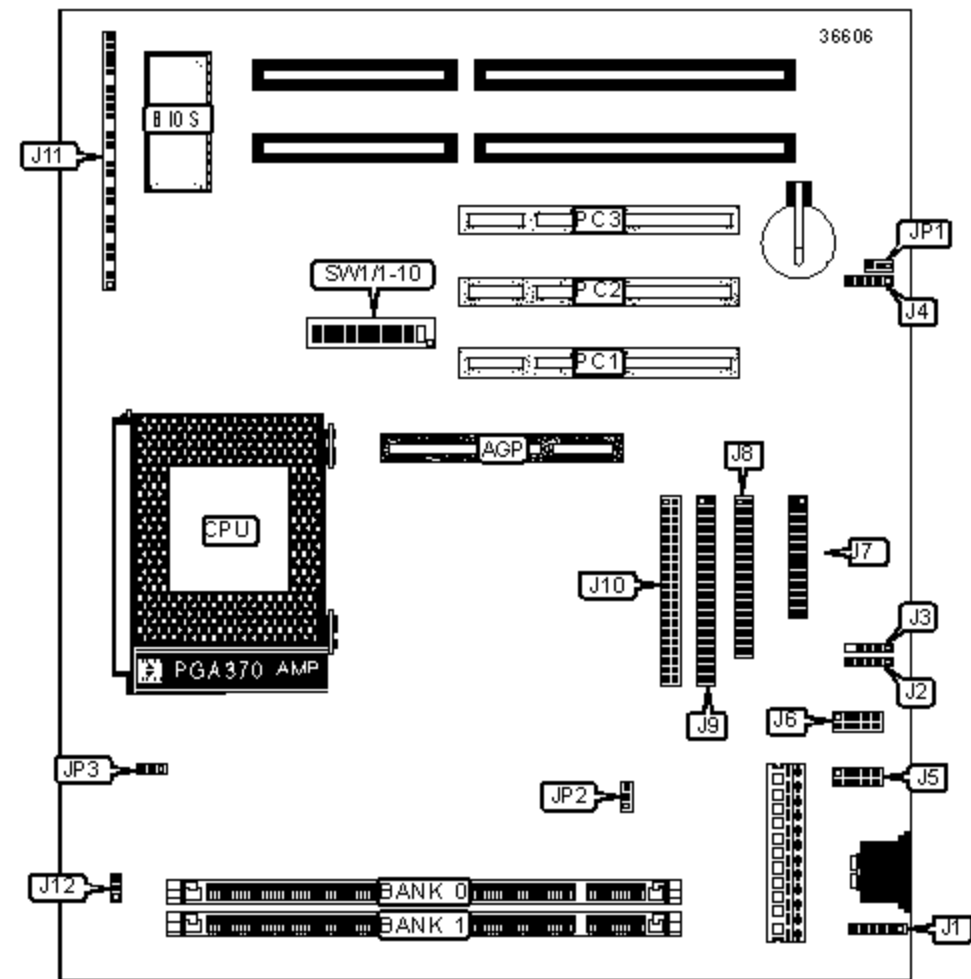


DIAMOND FLOWER, INC.

P5BV3+/E (REV. C+)

Device Type	Mainboard
Processor	CX 6X86L/CX 686MX/IBM 6X86MX/CX M2/AM K5/AM K6/AM K6-2/AM K6-3/Pentium/Pentium MMX/IDT C6/IDT Winchip2
Processor Speed	90/100/120/133/150/166/180/200/225/233/240/266/300/333/350/366/380/400/450MHz
Chip Set	VIA Apollo
Maximum Onboard Memory	256MB (SDRAM supported)
Cache	512/1024KB
BIOS	Award
Dimensions	200mm x 220mm
I/O Options	32-bit PCI slots (3), floppy drive interface, green PC connector, IDE interfaces (2), parallel interface, PS/2 mouse interface, serial interfaces (2), IR connector, USB connectors (2), AGP slot



CONNECTIONS

Purpose	Location	Purpose	Location
AGP slot	AGP	IDE interface 2	J10
PS/2 mouse interface	J1	IDE interface LED	J11/Pins 1 & 2
USB connector 1	J2	Green PC LED	J11/Pins 4 & 5

USB connector 0	J3	Green PC connector	J11/Pins 7 & 8
IR connector	J4	Reset switch	J11/Pins 10 & 11
Serial interface 2	J5	Speaker	J11/Pins 13-16
Serial interface 1	J6	Power LED & keylock	J11/Pins 18-22
Parallel interface	J7	CPU fan power	J12
Floppy drive interface	J8	32-bit PCI slots	PC1 - PC3
IDE interface 1	J9		

USER CONFIGURABLE SETTINGS

Function		Label	Position
»	CMOS memory normal operation	JP1	Pins 2 & 3 Closed
	CMOS memory clear	JP1	Pins 1 & 2 Closed
»	Dimm clock speed set to AGP clock speed	JP2	Pins 1 & 2 Closed
	Dimm clock speed set to CPU clock speed	JP2	Pins 2 & 3 Closed

DIMM CONFIGURATION

Size	Bank 0	Bank 1
16MB	(1) 2M x 64	None
32MB	(1) 2M x 64	(1) 2M x 64
32MB	(1) 4M x 64	None
48MB	(1) 4M x 64	(1) 2M x 64
64MB	(1) 4M x 64	(1) 4M x 64
64MB	(1) 8M x 64	None
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
128MB	(1) 16M x 64	None

300MHz	66MHz	3.5x	Off	On	On	Off	Off	Off
300MHz	75MHz	3x	Off	Off	On	Off	On	Off
333MHz	66MHz	4x	Off	On	On	On	Off	On
333MHz	75MHz	3.5x	Off	Off	On	Off	Off	Off
333MHz	83MHz	3x	Off	On	Off	Off	On	Off
366MHz	83MHz	3.5x	Off	On	Off	Off	Off	Off
366MHz	100MHz	2.5x	Off	Off	Off	On	On	Off
380MHz	100MHz	3x	Off	Off	Off	Off	On	Off
400MHz	95MHz	3.5x	On	Off	Off	Off	Off	Off

CPU SPEED SELECTION (IBM 6X86MX)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
200MHz	66MHz	2.5x	Off	On	On	On	On	Off
233MHz	75MHz	2.5x	Off	Off	On	On	On	Off
266MHz	83MHz	2.5x	Off	On	Off	On	On	Off
300MHz	66MHz	3.5x	Off	On	On	Off	Off	Off
300MHz	75MHz	3x	Off	Off	On	Off	On	Off
333MHz	83MHz	3x	Off	On	Off	Off	On	Off

CPU SPEED SELECTION (AM K5)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
90MHz	60MHz	1.5x	On	On	On	Off	Off	Off
100MHz	66MHz	1.5x	Off	On	On	Off	Off	Off
120MHz	60MHz	2x	On	On	On	On	Off	Off
133MHz	66MHz	2x	Off	On	On	On	Off	Off
166MHz	66MHz	2.5x	Off	On	On	On	On	Off

CPU SPEED SELECTION (AM K6)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
166MHz	66MHz	2.5x	Off	On	On	On	On	Off
200MHz	66MHz	3x	Off	On	On	Off	On	Off
233MHz	66MHz	3.5x	Off	On	On	Off	Off	Off
266MHz	66MHz	4x	Off	On	On	On	Off	On
300MHz	66MHz	4.5x	Off	On	On	On	On	On

CPU SPEED SELECTION (AM K6-2)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
250MHz	100MHz	2.5x	Off	Off	Off	On	On	Off
266MHz	66MHz	4x	Off	On	On	On	Off	On
300MHz	66MHz	4.5x	Off	On	On	On	On	On
300MHz	100MHz	3x	Off	Off	Off	Off	On	Off
333MHz	66MHz	5x	Off	On	On	Off	On	On
333MHz	95MHz	3.5x	On	Off	Off	Off	Off	Off
350MHz	100MHz	3.5x	Off	Off	Off	Off	Off	Off
366MHz	66MHz	5.5x	Off	On	On	Off	Off	On
380MHz	95MHz	4x	On	Off	Off	On	Off	On
400MHz	100MHz	4x	Off	Off	Off	On	Off	On
450MHz	100MHz	4.5x	Off	Off	Off	On	On	On

CPU SPEED SELECTION (AM K6-3)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
400MHz	100MHz	4x	Off	Off	Off	On	Off	On

CPU SPEED SELECTION (IDT C6)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
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180MHz	60MHz	3x	On	On	On	Off	On	Off
200MHz	66MHz	3x	Off	On	On	Off	On	Off
225MHz	75MHz	3x	Off	Off	On	Off	On	Off
240MHz	60MHz	4x	On	On	On	On	Off	On

CPU SPEED SELECTION (IDT WINCHIP2)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
200MHz	66MHz	3x	Off	On	On	Off	On	Off
225MHz	75MHz	3x	Off	Off	On	Off	On	Off
233MHz	66MHz	3.5x	Off	On	On	Off	Off	Off
240MHz	60MHz	4x	On	On	On	On	Off	On
266MHz	100MHz	2.33x	Off	Off	Off	Off	On	On
300MHz	100MHz	2.5	Off	Off	Off	On	On	Off

CPU SPEED SELECTION (PENTIUM)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
90MHz	60MHz	1.5x	On	On	On	Off	Off	Off
100MHz	66MHz	1.5x	Off	On	On	Off	Off	Off
120MHz	60MHz	2x	On	On	On	On	Off	Off
133MHz	66MHz	2x	Off	On	On	On	Off	Off
150MHz	60MHz	2.5x	On	On	On	On	On	Off
166MHz	66MHz	2.5x	Off	On	On	On	On	Off
200MHz	66MHz	3x	Off	On	On	Off	On	Off

CPU SPEED SELECTION (PENTIUM MMX)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
166MHz	66MHz	2.5x	Off	On	On	On	On	Off

200MHz	66MHz	3x	Off	On	On	Off	On	Off
233MHz	66MHz	3.5x	Off	On	On	Off	Off	Off

CPU VOLTAGE SELECTION

Voltage	JP3	SW1/7	SW1/8	SW1/9	SW1/10
2.0V	Pins 1 & 2	Off	Off	Off	Off
2.1V	Pins 1 & 2	On	Off	Off	Off
2.2V	Pins 1 & 2	Off	On	Off	Off
2.3V	Pins 1 & 2	On	On	Off	Off
2.4V	Pins 1 & 2	Off	Off	On	Off
2.5V	Pins 1 & 2	On	Off	On	Off
2.6V	Pins 1 & 2	Off	On	On	Off
2.7V	Pins 1 & 2	On	On	On	Off
2.8V	Pins 1 & 2	Off	Off	Off	On
2.9V	Pins 1 & 2	On	Off	Off	On
3.0V	Pins 1 & 2	Off	On	Off	On
3.1V	Pins 1 & 2	On	On	Off	On
3.2V	Pins 1 & 2	Off	Off	On	On
3.3V	Pins 2 & 3	On	Off	On	On
3.4V	Pins 2 & 3	Off	On	On	On
3.5V	Pins 2 & 3	On	On	On	On

Note: Pins designated should be in the closed position.