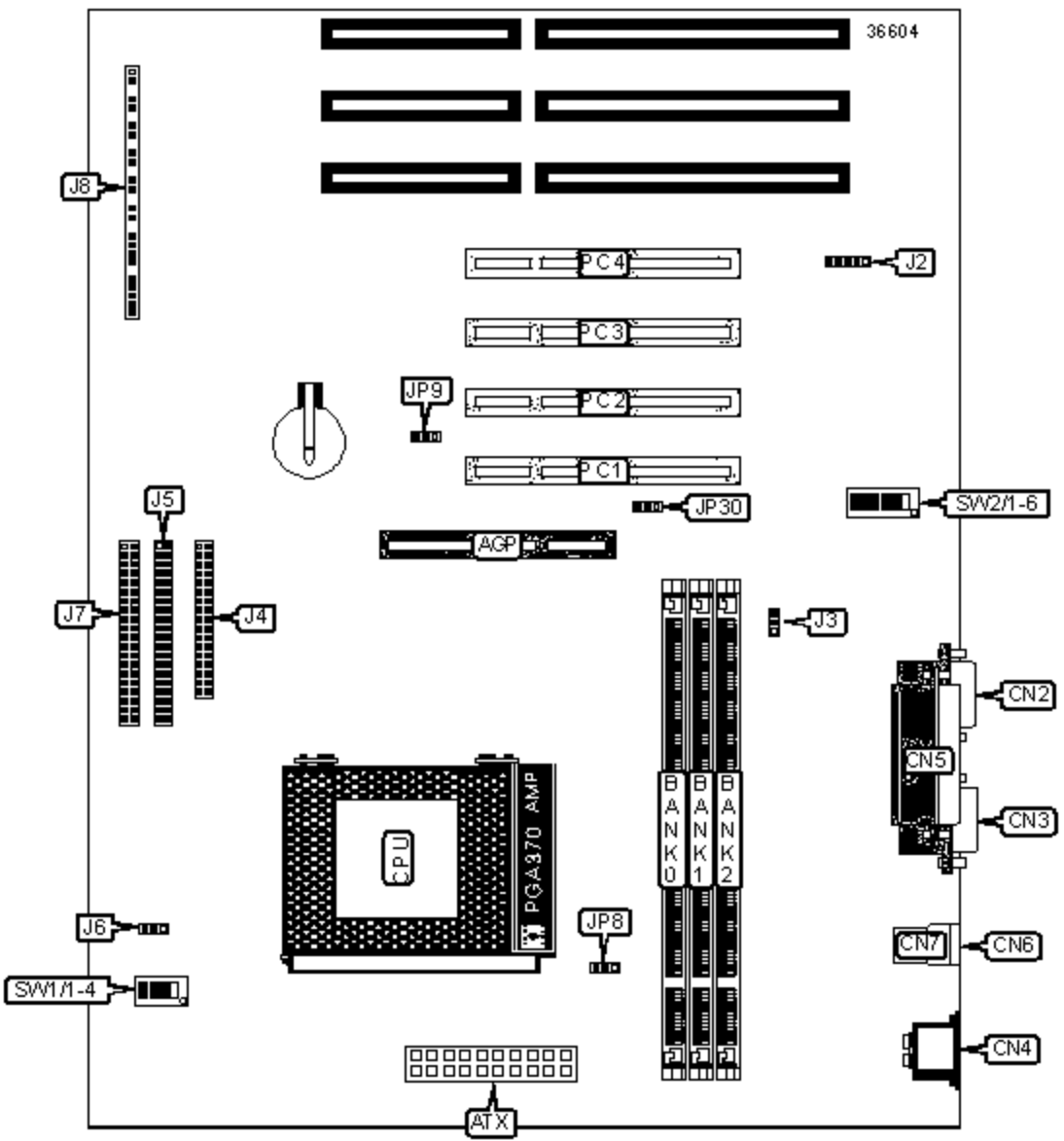


DIAMOND FLOWER, INC.

K6XV3+ (REV. AA+)

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	90/100/120/133/150/166/180/200/225/233/240/250/266/300/333/350/ 366/380/400/450/475/500MHz
Chip Set	VIA
Maximum Onboard Memory	384MB (EDO & SDRAM supported)
Cache	512/1024/KB
BIOS	Award
Dimensions	300mm x 180mm
I/O Options	32-bit PCI slots (4), floppy drive interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse port, serial ports (2), IR connector, USB ports (2), ATX power connector, AGP slot



CONNECTIONS

Purpose	Location	Purpose	Location
AGP slot	AGP	CPU fan power	J6

ATX power connector	ATX	IDE interface 2	J7
Serial port 2	CN2	ATX standby LED	J8/Pins 1 & 2
Serial port 1	CN3	IDE interface LED	J8/Pins 4 & 5
PS/2 mouse port	CN4	Green PC LED	J8/Pins 7 & 8
Parallel port	CN5	Soft off power supply	J8/Pins 10 & 11
USB port 1	CN7	Green PC connector	J8/Pins 13 & 14
USB port 2	CN6	Reset switch	J8/Pins 16 & 17
IR connector	J2	Speaker	J8/Pins 19-22
AGP fan	J3	Power LED & keylock	J8/Pins 24-28
Floppy drive interface	J4	32-bit PCI slots	PC1 - PC4
IDE interface 1	J5		

USER CONFIGURABLE SETTINGS

Function		Label	Position
»	CMOS memory normal operation	JP9	Pins 2 & 3 Closed
	CMOS memory clear	JP9	Pins 1 & 2 Closed
»	DIMM clock speed set to AGP clock speed	JP30	Pins 1 & 2 Closed
	DIMM clock speed set to CPU clock speed	JP30	Pins 2 & 3 Closed

DIMM CONFIGURATION

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

233MHz	75MHz	2.5x	Off	On	On	Off	On	On
266MHz	83MHz	2.5x	Off	On	On	Off	On	Off

CPU SPEED SELECTION (CX M2)

CPU speed	Clock speed	Multiplier	SW2/1	SW2/2	SW2/3	SW2/4	SW2/5	SW2/6
200MHz	66MHz	2.5x	Off	On	On	On	On	Off
266MHz	66MHz	3x	Off	On	Off	On	On	Off
300MHz	66MHz	3.5x	Off	Off	Off	On	On	Off
300MHz	75MHz	3x	Off	On	Off	Off	On	On
333MHz	66MHz	4x	On	Off	On	On	On	Off
333MHz	75MHz	3.5x	Off	Off	Off	Off	On	On
333MHz	83MHz	3x	Off	On	Off	Off	On	Off
366MHz	83MHz	3.5x	Off	Off	Off	Off	On	Off
366MHz	100MHz	2.5x	Off	On	On	Off	Off	Off
380MHz	100MHz	3x	Off	On	Off	Off	Off	Off
400MHz	95MHz	3.5x	Off	Off	Off	Off	Off	On

CPU SPEED SELECTION (IBM 6X86MX)

CPU speed	Clock speed	Multiplier	SW2/1	SW2/2	SW2/3	SW2/4	SW2/5	SW2/6
200MHz	66MHz	2.5x	Off	On	On	On	On	Off
233MHz	75MHz	2.5x	Off	On	On	Off	On	On
266MHz	83MHz	2.5x	Off	On	On	Off	On	Off
300MHz	66MHz	3.5x	Off	Off	Off	On	On	Off
300MHz	75MHz	3x	Off	On	Off	Off	On	On
333MHz	83MHz	3x	Off	On	Off	Off	On	Off

CPU SPEED SELECTION (AM K5)

CPU speed	Clock speed	Multiplier	SW2/1	SW2/2	SW2/3	SW2/4	SW2/5	SW2/6
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CPU speed	Clock speed	Multiplier	SW2/1	SW2/2	SW2/3	SW2/4	SW2/5	SW2/6
90MHz	60MHz	1.5x	Off	Off	Off	On	On	On
100MHz	66MHz	1.5x	Off	Off	Off	On	On	Off
120MHz	60MHz	2x	Off	Off	On	On	On	On
133MHz	66MHz	2x	Off	Off	On	On	On	Off
166MHz	66MHz	2.5x	Off	On	On	On	On	Off

CPU SPEED SELECTION (AM K6)

CPU speed	Clock speed	Multiplier	SW2/1	SW2/2	SW2/3	SW2/4	SW2/5	SW2/6
166MHz	66MHz	2.5x	Off	On	On	On	On	Off
200MHz	66MHz	3x	Off	On	Off	On	On	Off
233MHz	66MHz	3.5x	Off	Off	Off	On	On	Off
266MHz	66MHz	4x	On	Off	On	On	On	Off
300MHz	66MHz	4.5x	On	On	On	On	On	Off

CPU SPEED SELECTION (AM K6-2)

CPU speed	Clock speed	Multiplier	SW2/1	SW2/2	SW2/3	SW2/4	SW2/5	SW2/6
250MHz	100MHz	2.5x	Off	On	On	Off	Off	Off
266MHz	66MHz	4x	On	Off	On	On	On	Off
300MHz	66MHz	4.5x	On	On	On	On	On	Off
300MHz	100MHz	3x	Off	On	Off	Off	Off	Off
333MHz	66MHz	5x	On	On	Off	On	On	Off
333MHz	95MHz	3.5x	Off	Off	Off	Off	Off	On
350MHz	100MHz	3.5x	Off	Off	Off	Off	Off	Off
366MHz	66MHz	5.5x	On	Off	Off	On	On	Off
380MHz	95MHz	4x	On	Off	On	Off	Off	On
400MHz	100MHz	4x	On	Off	On	Off	Off	Off
450MHz	100MHz	4.5x	On	On	On	Off	Off	Off

475MHZ	95MHz	5x	On	On	Off	Off	Off	On
500MHz	100MHz	5x	On	On	Off	Off	Off	Off

CPU SPEED SELECTION (AM K6-3)

CPU speed	Clock speed	Multiplier	SW2/1	SW2/2	SW2/3	SW2/4	SW2/5	SW2/6
400MHz	100MHz	4x	On	Off	On	Off	Off	Off
450MHz	100MHz	4.5x	On	On	On	Off	Off	Off
475MHz	95MHz	5x	On	On	Off	Off	Off	On
500MHz	100MHz	5x	On	On	Off	Off	Off	Off

CPU SPEED SELECTION (IDT C6)

CPU speed	Clock speed	Multiplier	SW2/1	SW2/2	SW2/3	SW2/4	SW2/5	SW2/6
180MHz	60MHz	3x	Off	On	Off	On	On	On
200MHz	66MHz	3x	Off	On	Off	On	On	Off
225MHz	75MHz	3x	Off	On	Off	Off	On	On
240MHz	60MHz	4x	On	Off	On	On	On	On

CPU SPEED SELECTION (IDT WINCHIP2)

CPU speed	Clock speed	Multiplier	SW2/1	SW2/2	SW2/3	SW2/4	SW2/5	SW2/6
200MHz	66MHz	3x	Off	On	Off	On	On	Off
225MHz	75MHz	3x	Off	On	Off	Off	On	On
233MHz	66MHz	3.5x	Off	Off	Off	On	On	Off
240MHz	60MHz	4x	On	Off	On	On	On	On
266MHz	100MHz	2.33x	On	On	Off	Off	Off	Off
300MHz	100MHz	2.5	Off	On	On	Off	Off	Off

CPU SPEED SELECTION (PENTIUM)

CPU speed	Clock speed	Multiplier	SW2/1	SW2/2	SW2/3	SW2/4	SW2/5	SW2/6
90MHz	60MHz	1.5x	Off	Off	Off	On	On	On
100MHz	66MHz	1.5x	Off	Off	Off	On	On	Off
120MHz	60MHz	2x	Off	Off	On	On	On	On
133MHz	66MHz	2x	Off	Off	On	On	On	Off
150MHz	60MHz	2.5x	Off	On	On	On	On	On
166MHz	66MHz	2.5x	Off	On	On	On	On	Off
200MHz	66MHz	3x	Off	On	Off	On	On	Off

CPU SPEED SELECTION (PENTIUM MMX)

CPU speed	Clock speed	Multiplier	SW2/1	SW2/2	SW2/3	SW2/4	SW2/5	SW2/6
166MHz	66MHz	2.5x	Off	On	On	On	On	Off
200MHz	66MHz	3x	Off	On	Off	On	On	Off
233MHz	66MHz	3.5x	Off	Off	Off	On	On	Off

CPU VOLTAGE SELECTION

Voltage	JP8	SW1/1	SW1/2	SW1/3	SW1/4
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.