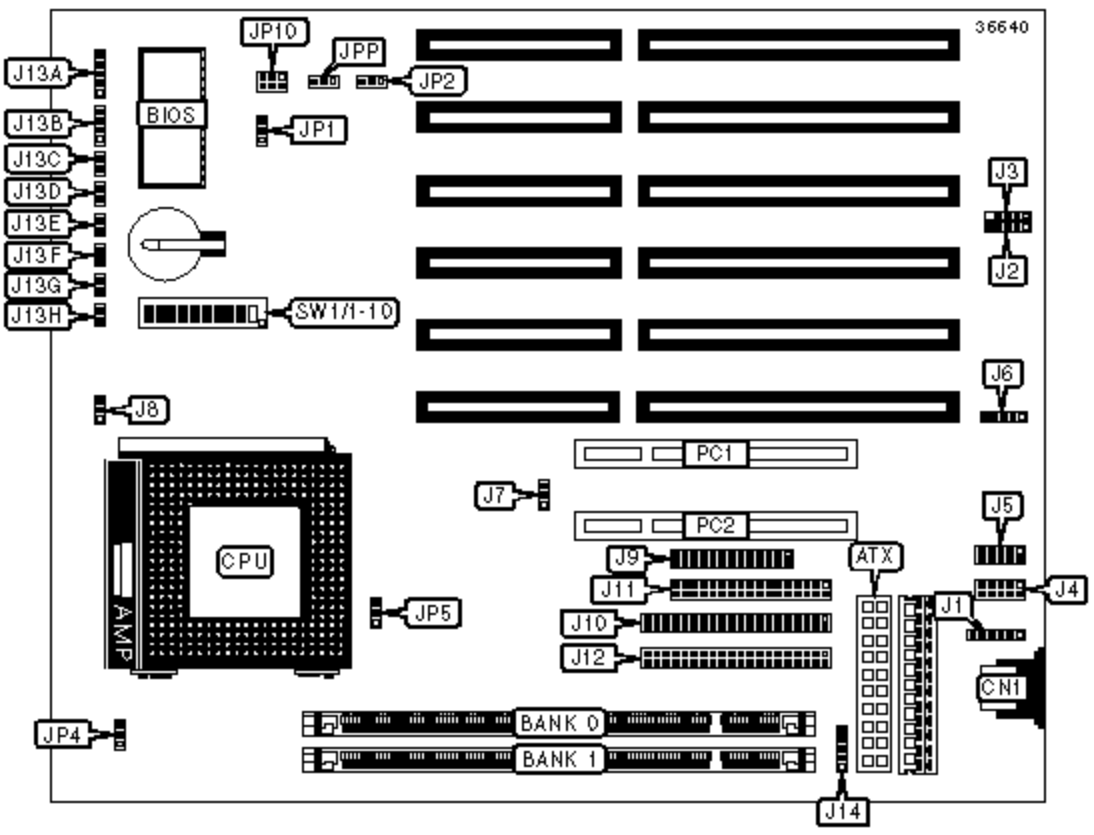


DIAMOND FLOWER, INC.

G7VP2 (REV. B+)

Device Type	Mainboard
Processor	CX 6X86L/CX 6X86MX/CX M2/IBM 6X86MX/AM K5/AM K6/AM K6-2/AM K6-3/IDT C6/WinChip2/Pentium/Pentium MMX
Processor Speed	90/100/120/133/150/166/180/200/225/233/240/266/300/333/366/400/450/475/500MHz
Chip Set	VIA
Maximum Onboard Memory	256MB (EDO, SDRAM & PC-100 supported)
Cache	512KB
BIOS	Award
Dimensions	330mm x 218mm
I/O Options	32-bit PCI slots (2), floppy drive interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse port, PS/2 mouse interface, serial ports (2), IR connector, USB interfaces (2), ATX power connector



CONNECTIONS

Purpose	Location	Purpose	Location
ATX power connector	ATX	Floppy drive interface	J11
PS/2 mouse port	CN1	IDE interface 2	J12
PS/2 mouse interface	J1	Power LED & keylock connector	J13A
USB interface 2	J2	PC speaker connector	J13B
USB interface 1	J3	Reset switch connector	J13C

Serial port 1	J4	Green PC switch connector	J13D
Serial port 2	J5	Green PC LED connector	J13E
IR connector	J6	IDE interface LED connector	J13F
Chassis fan power connector	J7	Power switch connector	J13G
CPU fan power connector	J8	Standby LED connector	J13H
Parallel port	J9	AT keyboard connector	J14
IDE interface 1	J10	32-bit PCI slots	PC1 - PC2

USER CONFIGURABLE SETTINGS

Function		Label	Position
»	CMOS memory normal operation	JP1	Pins 2 & 3 closed
	CMOS memory clear	JP1	Pins 1 & 2 closed
»	SDRAM clock speed set by AGP clock	JP4	Pins 1 & 2 closed
	SDRAM clock speed set by CPU clock	JP4	Pins 2 & 3 closed
»	ATX switch controls on/off status	JPP	Pins 1 & 2 closed
	Power supply switch control on/off status	JPP	Pins 2 & 3 closed

DIMM CONFIGURATION

Size	Bank 0	Bank 1
16MB	(1) 2M x 64	None
32MB	(1) 4M x 64	None
32MB	(1) 2M x 64	(1) 2M 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
80MB	(1) 8M x 64	(1) 2M x 64
96MB	(1) 8M x 64	(1) 4M x 64
128MB	(1) 16M x 64	None

180MHz	60MHz	3x	On	On	On	Off	On	Off
200MHz	66MHz	3x	Off	On	On	Off	On	Off
225MHz	75MHz	3x	On	On	Off	Off	On	Off
240MHz	60MHz	4x	On	On	On	On	Off	On

CPU SPEED SELECTION (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	On	On	Off	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	2.5x	Off	Off	Off	On	On	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	On	On	Off	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	On	On	Off	Off	On	Off
333MHz	83MHz	3x	Off	On	Off	Off	On	Off

CPU SPEED SELECTION (CX 6X86L)

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

200MHz	75MHz	2x	Off	Off	On	On	Off	Off
--------	-------	----	-----	-----	----	----	-----	-----

CPU SPEED SELECTION (CX 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

CPU SPEED SELECTION (CX M2)

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
266MHz	66MHz	3x	Off	On	On	Off	On	Off
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 (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	96MHz	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
475MHz	95MHz	5x	On	Off	Off	Off	On	On
500MHz	100MHz	5x	Off	Off	Off	Off	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
450MHz	100MHz	4.5x	Off	Off	Off	On	On	On
475MHz	95MHz	5x	On	Off	Off	Off	On	On
500MHz	100MHz	5x	Off	Off	Off	Off	On	On

CPU VOLTAGE SELECTION

Voltage	JP5	SW1/7	SW1/8	SW1/9	SW1/10
2.0V	Pins 1 & 2 closed	Off	Off	Off	Off
2.1V	Pins 1 & 2 closed	On	Off	Off	Off
2.2V	Pins 1 & 2 closed	Off	On	Off	Off
2.3V	Pins 1 & 2 closed	On	On	Off	Off
2.4V	Pins 1 & 2 closed	Off	Off	On	Off
2.5V	Pins 1 & 2 closed	On	Off	On	Off
2.6V	Pins 1 & 2 closed	Off	On	On	Off
2.7V	Pins 1 & 2 closed	On	On	On	Off
2.8V	Pins 1 & 2 closed	Off	Off	Off	On
2.9V	Pins 1 & 2 closed	On	Off	Off	On
3.0V	Pins 1 & 2 closed	Off	On	Off	On
3.1V	Pins 1 & 2 closed	On	On	Off	On
3.2V	Pins 1 & 2 closed	Off	Off	On	On
3.3V	Pins 2 & 3 closed	On	Off	On	On
3.4V	Pins 2 & 3 closed	Off	On	On	On
3.5V	Pins 2 & 3 closed	On	On	On	On

WATCHDOG TIMER SELECTION

Setting	JP10/Pins 1 & 2	JP10/Pins 3 & 4	JP10/Pins 5 & 6
0.5 seconds	Closed	Closed	Closed
1 second	Open	Closed	Closed
2 seconds	Closed	Open	Closed
4 seconds	Open	Open	Closed
8 seconds	Closed	Closed	Open
16 seconds	Open	Closed	Open
32 seconds	Closed	Open	Open
64 seconds	Open	Open	Open

POWER SUPPLY SELECTION

Setting	Label	Position
ATX power supply	JP2	Pins 1 & 2 closed
» AT Power supply	JP2	Pins 2 & 3 closed
ATX power supply, power supply switch controls on/off status	JP2	Open

Note: JPP/Pins 2 & 3 must be closed for ATX power supply setting with power supply switch controlling on/off status.