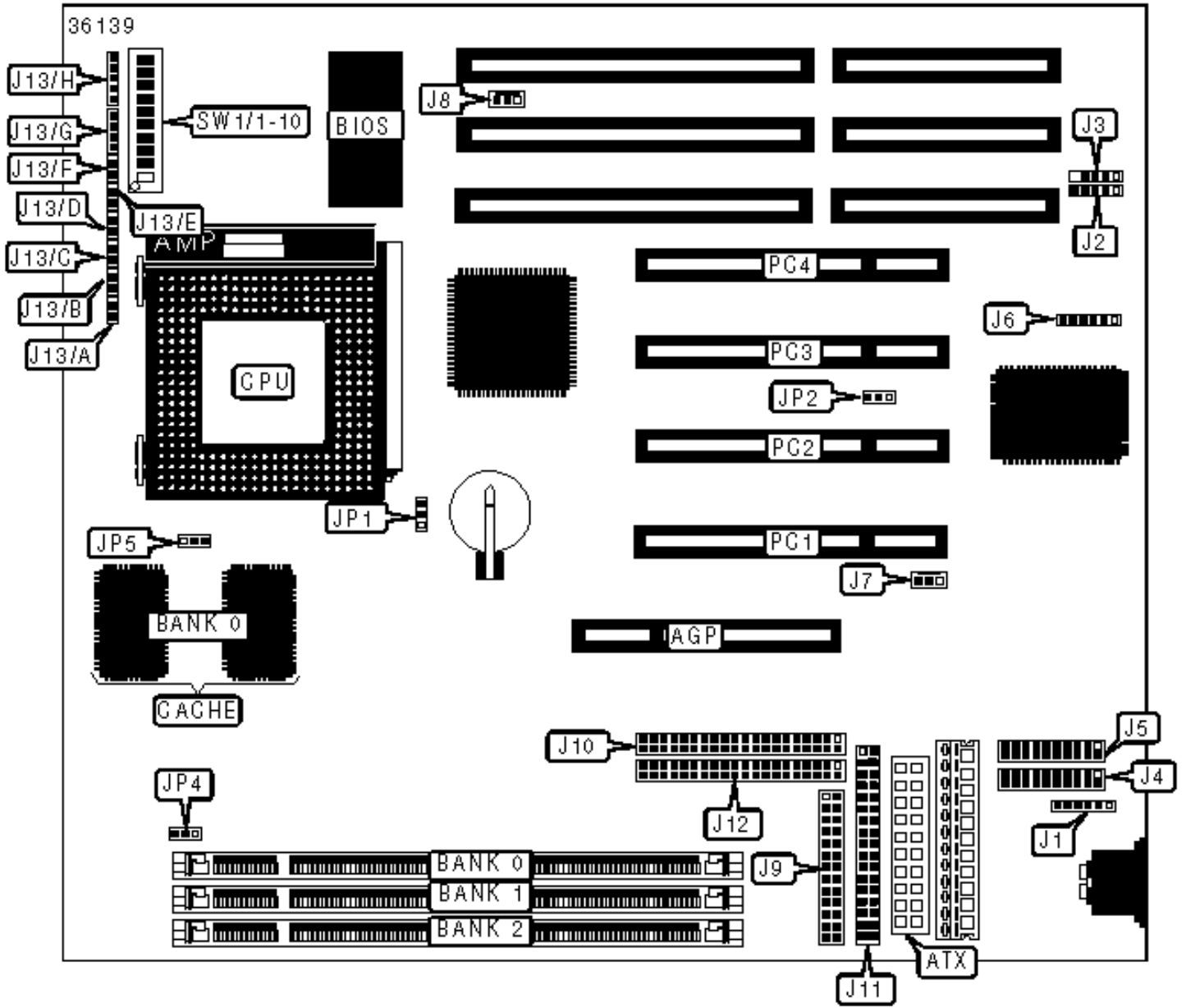


DIAMOND FLOWER, INC.

P5BV3+ (REV.B+)

Configuration



CONNECTIONS

Purpose	Location	Purpose	Location
AGP slot	AGP	Floppy drive interface	J11
ATX power connector	ATX	IDE interface 1	J12
PS/2 mouse interface	J1	Standby LED	J13/A
USB connector 1	J2	Soft off power supply	J13/B
USB connector 2	J3	IDE interface LED	J13/C
Serial port 1	J4	Green PC LED	J13/D
Serial port 2	J5	Green switch	J13/E
IR connector	J6	Reset switch	J13/F
AGP fan power	J7	Speaker	J13/G
CPU fan power	J8	Power LED & keylock	J13/H
Parallel port	J9	32-bit PCI slots	PC1 - PC4
IDE interface 2	J10		

USER CONFIGURABLE SETTINGS

Function	Label	Position
» CMOS memory normal operation	JP1	Pins 2 & 3 closed
CMOS memory clear	JP1	Pins 1 & 2 closed
» AT power on	JP2	Pins 2 & 3 closed
ATX power on	JP2	Pins 1 & 2 closed
» SDRAM clock = AGP clock	JP4	Pins 1 & 2 closed
SDRAM clock = CPU clock	JP4	Pins 2 & 3 closed

DIMM CONFIGURATION

Size	Bank 0	Bank 1	Bank 2

8MB	(1) 1M x 64	None	None
16MB	(1) 1M x 64	(1) 1M x 64	None
16MB	(1) 2M x 64	None	None
24MB	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64
24MB	(1) 2M x 64	(1) 1M x 64	None
32MB	(1) 2M x 64	(1) 2M x 64	None
32MB	(1) 4M x 64	None	None
32MB	(1) 2M x 64	(1) 1M x 64	(1) 1M x 64
40MB	(1) 2M x 64	(1) 2M x 64	(1) 1M x 64
40MB	(1) 4M x 64	(1) 1M x 64	None
48MB	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64
48MB	(1) 4M x 64	(1) 1M x 64	(1) 1M x 64
48MB	(1) 4M x 64	(1) 2M x 64	None
56MB	(1) 4M x 64	(1) 2M x 64	(1) 1M x 64
64MB	(1) 4M 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
72MB	(1) 8M x 64	(1) 1M x 64	None
72MB	(1) 4M x 64	(1) 4M x 64	(1) 1M x 64
80MB	(1) 8M x 64	(1) 1M x 64	(1) 1M x 64
80MB	(1) 8M x 64	(1) 2M x 64	None
80MB	(1) 4M x 64	(1) 4M x 64	(1) 2M x 64
88MB	(1) 8M x 64	(1) 2M x 64	(1) 1M x 64

DIMM CONFIGURATION (CON'T)

Size	Bank 0	Bank 1	Bank 2
------	--------	--------	--------

96MB	(1) 8M x 64	(1) 2M x 64	(1) 2M x 64
96MB	(1) 8M x 64	(1) 4M x 64	None
96MB	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64
104MB	(1) 8M x 64	(1) 4M x 64	(1) 1M x 64
112MB	(1) 8M x 64	(1) 4M x 64	(1) 2M x 64
128MB	(1) 16M x 64	None	None
128MB	(1) 8M x 64	(1) 4M x 64	(1) 4M x 64
128MB	(1) 8M x 64	(1) 8M x 64	None
136MB	(1) 8M x 64	(1) 8M x 64	(1) 1M x 64
136MB	(1) 16M x 64	(1) 1M x 64	None
136MB	(1) 8M x 64	(1) 8M x 64	(1) 1M x 64
144MB	(1) 8M x 64	(1) 8M x 64	(1) 2M x 64
144MB	(1) 16M x 64	(1) 1M x 64	(1) 1M x 64
144MB	(1) 16M x 64	(1) 2M x 64	None
152MB	(1) 16M x 64	(1) 2M x 64	(1) 1M x 64
160MB	(1) 8M x 64	(1) 8M x 64	(1) 4M x 64
160MB	(1) 16M x 64	(1) 2M x 64	(1) 2M x 64
160MB	(1) 16M x 64	(1) 4M x 64	None
168MB	(1) 16M x 64	(1) 4M x 64	(1) 1M x 64
176MB	(1) 16M x 64	(1) 4M x 64	(1) 2M x 64
192MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64
192MB	(1) 16M x 64	(1) 4M x 64	(1) 4M x 64
192MB	(1) 16M x 64	(1) 8M x 64	None
200MB	(1) 16M x 64	(1) 8M x 64	(1) 1M x 64
208MB	(1) 16M x 64	(1) 8M x 64	(1) 2M x 64
224MB	(1) 16M x 64	(1) 8M x 64	(1) 4M x 64

256MB	(1) 16M x 64	(1) 8M x 64	(1) 8M x 64
256MB	(1) 16M x 64	(1) 16M x 64	None

CACHE CONFIGURATION

Size	Bank 0
512KB	(1) 64K x 64

CPU SPEED SELECTION (INTEL 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 SPEED SELECTION (CX 6X86 MX)

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

CPU SPEED SELECTION (CX 6X86 MII)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
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
350MHz	100MHz	3x	Off	Off	Off	Off	On	Off
400MHz	100MHz	3.5x	Off	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	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 (AM K6)

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
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	100MHz	3x	Off	Off	Off	Off	On	Off
333MHz	95MHz	3.5x	On	Off	Off	Off	Off	Off
350MHz	100MHz	3.5x	Off	Off	Off	Off	Off	Off
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
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	66MHz	4x	Off	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
240MHz	66MHz	4x	Off	On	On	On	Off	On
266MHz	83MHz	3x	Off	On	Off	Off	On	Off
300MHz	100MHz	3x	Off	Off	Off	Off	On	Off

CPU VOLTAGE SELECTION (DUAL)

Voltage	JP5	SW1/7	SW1/8	SW1/9	SW1/10
2.1v	Pins 1 & 2 closed	On	Off	Off	Off
2.2v	Pins 1 & 2 closed	Off	On	Off	Off
2.5v	Pins 1 & 2 closed	On	Off	On	Off
2.8v	Pins 1 & 2 closed	Off	Off	Off	On
2.9v	Pins 1 & 2 closed	On	Off	Off	On
3.2v	Pins 1 & 2 closed	Off	Off	On	On
3.3v	Pins 2 & 3 closed	On	Off	On	On
3.5v	Pins 2 & 3 closed	On	On	On	On