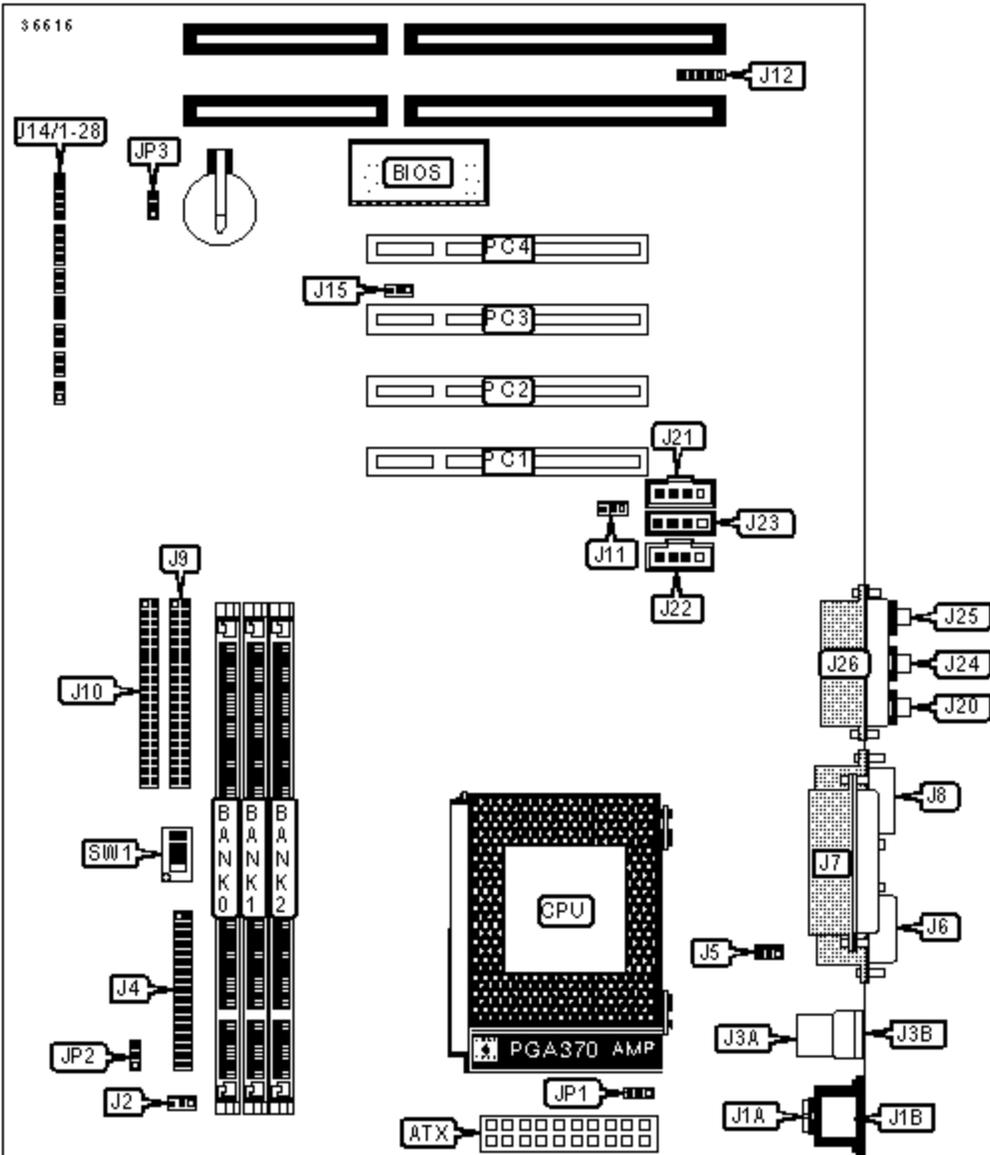


# DIAMOND FLOWER, INC.

## CB64-V3 (REV. A+)

<b>Device Type</b>	Mainboard
<b>Processor</b>	Celeron
<b>Processor Speed</b>	300/333/366/400/433/466MHz
<b>Chip Set</b>	VIA
<b>Audio Chip Set</b>	ESS
<b>Maximum Onboard Memory</b>	384MB (SDRAM supported)
<b>Cache</b>	0/128KB (located on the Pentium II CPU)
<b>BIOS</b>	Award
<b>Dimensions</b>	304mm x 172mm
<b>I/O Options (backplane)</b>	32-bit PCI slots (4), floppy drive interface, IDE interfaces (2), game/MIDI port, parallel port, PS/2 mouse port, serial ports (2), IR connector, USB connectors (2), ATX power connector, AGP slot, line in, line out, microphone in, audio in - CD-ROM



### CONNECTIONS

Purpose	Location	Purpose	Location
AGP slot	AGP	Green PC LED power	J14/Pins 4 & 5
ATX power connector	ATX	ATX power switch	J14/Pins 7 & 8

PS/2 mouse port	J1	Green PC switch	J14/Pins 10 & 11
Chassis fan power	J2	Reset switch	J14/Pins 13 & 14
USB connectors 1	J3A	Speaker connector	J14/Pins 16 - 19
USB connectors 2	J3B	Power LED & Keylock connector	J14/Pins 21 - 25
Floppy drive interface	J4	Wake-on-LAN connector	J15
CPU fan power	J5	Line out	J20
Serial port 1	J6	Audio-in - CD-ROM (Sony)	J21
Parallel port	J7	Audio-in - CD-ROM (Sony)	J22
Serial port 2	J8	Audio-in - CD-ROM (Mitsumi)	J23
IDE interface 2	J9	Line in	J24
IDE interface 1	J10	Microphone in	J25
AGP fan power	J11	Game/MIDI connector	J26
IR connector	J12	32-bit PCI slots	PC1 - PC4
IDE interface LED	J14/Pins 1 & 2		

### USER CONFIGURABLE SETTINGS

Function		Label	Position
»	Wake-on keyboard/mouse disable	JP1	Pins 1 & 2 closed
	Wake-on keyboard/mouse enable	JP1	Pins 2 & 3 closed
»	CMOS memory normal operation	JP3	Pins 1 & 2 closed
	CMOS memory clear	JP3	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

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) 4M x 64	(1) 2M x 64	(1) 2M x 64
64MB	(1) 8M x 64	None	None
96MB	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64
96MB	(1) 8M x 64	(1) 2M x 64	(1) 2M x 64
128MB	(1) 8M x 64	(1) 8M x 64	None
128MB	(1) 8M x 64	(1) 4M x 64	(1) 4M x 64
128MB	(1) 16M x 64	None	None
160MB	(1) 16M x 64	(1) 2M 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
256MB	(1) 16M x 64	(1) 16M x 64	None
256MB	(1) 16M x 64	(1) 8M x 64	(1) 8M x 64
384MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64
256MB	(1) 32M x 64	None	None
288MB	(1) 32M x 64	(1) 2M x 64	(1) 2M x 64
320MB	(1) 32M x 64	(1) 4M x 64	(1) 4M x 64
384MB	(1) 32M x 64	(1) 8M x 64	(1) 8M x 64
512MB	(1) 32M x 64	(1) 32M x 64	None
512MB	(1) 32M x 64	(1) 16M x 64	(1) 16M x 64
768MB	(1) 32M x 64	(1) 32M x 64	(1) 32M x 64

### CPU SPEED SELECTION

Speed		Label	Position
»	Auto	JP2	Pins 1 & 2 closed
	66 MHz	JP2	Pins 2 & 3 closed
	100 MHz	JP2	Open

**CPU SPEED/MULTIPLIER SELECTION**

<b>CPU Speed</b>	<b>Clock Speed</b>	<b>Multiplier</b>	<b>SW1/1</b>	<b>SW1/2</b>	<b>SW1/3</b>	<b>SW1/4</b>
300MHz	66MHz	4.5x	Off	On	Off	On
333MHz	66MHz	5x	On	Off	Off	On
366MHz	66MHz	5.5x	Off	Off	Off	On
400MHz	66MHz	6x	On	On	On	Off
433MHz	66MHz	6.5x	Off	On	On	Off
466MHz	66MHz	7x	On	Off	On	Off

Note: This table is for informational purposes only. SW1 is factory configured - do not alter.