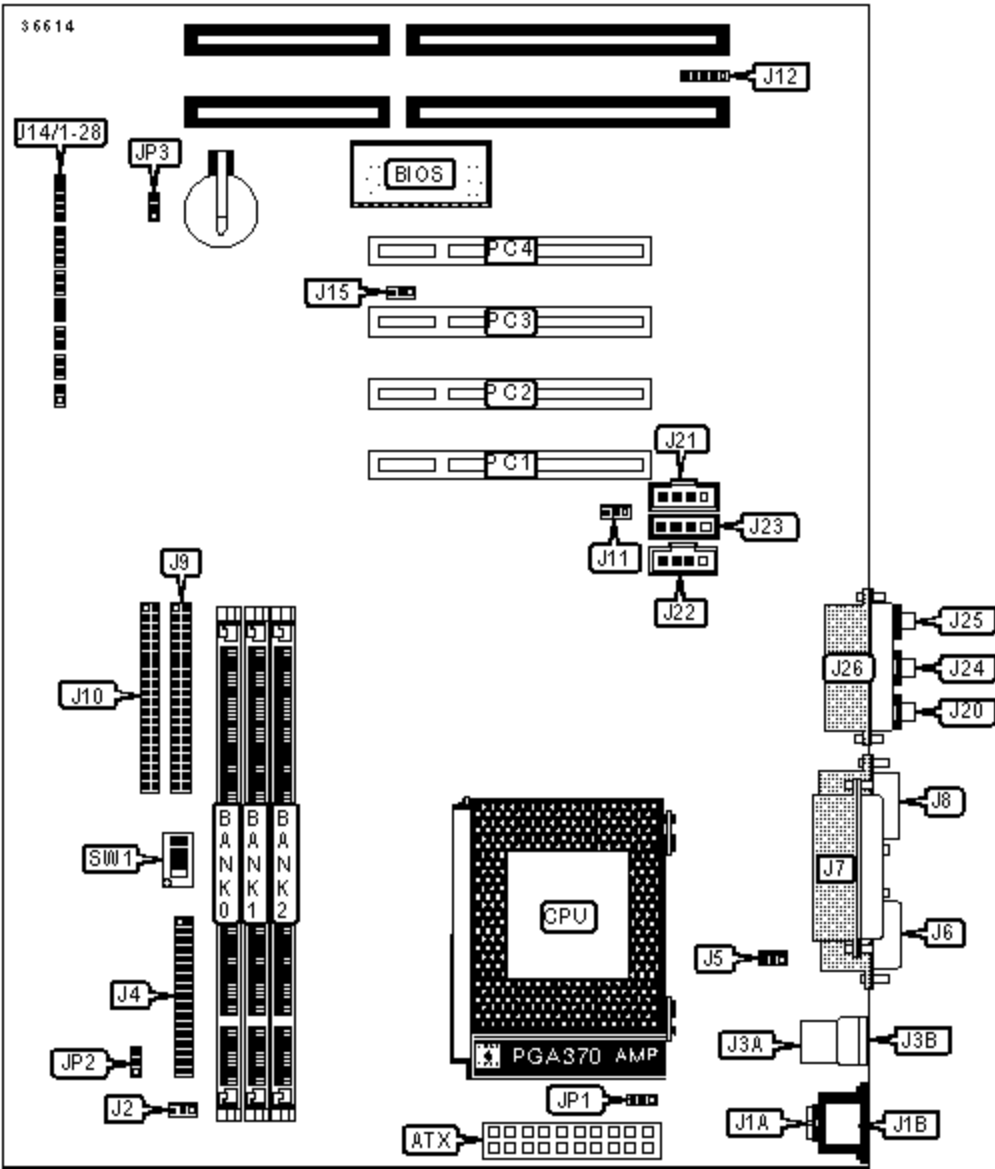


DIAMOND FLOWER, INC.

CB64-BX (REV. A+)

Device Type	Mainboard
Processor	Celeron
Processor Speed	300/333/366/400/433/466MHz
Chip Set	Intel 440BX
Audio Chip Set	ESS
Maximum Onboard Memory	768MB (SDRAM supported)
Cache	128KB (located on the Celeron CPU)
BIOS	Award
Dimensions	304mm x 172mm
I/O Options (backplane)	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 (3), Wake-on LAN connector



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

CACHE CONFIGURATION

Note: 128KB cache is located on Celeron 300A and greater CPUs.

CPU SPEED SELECTION

Speed

Label

Position

