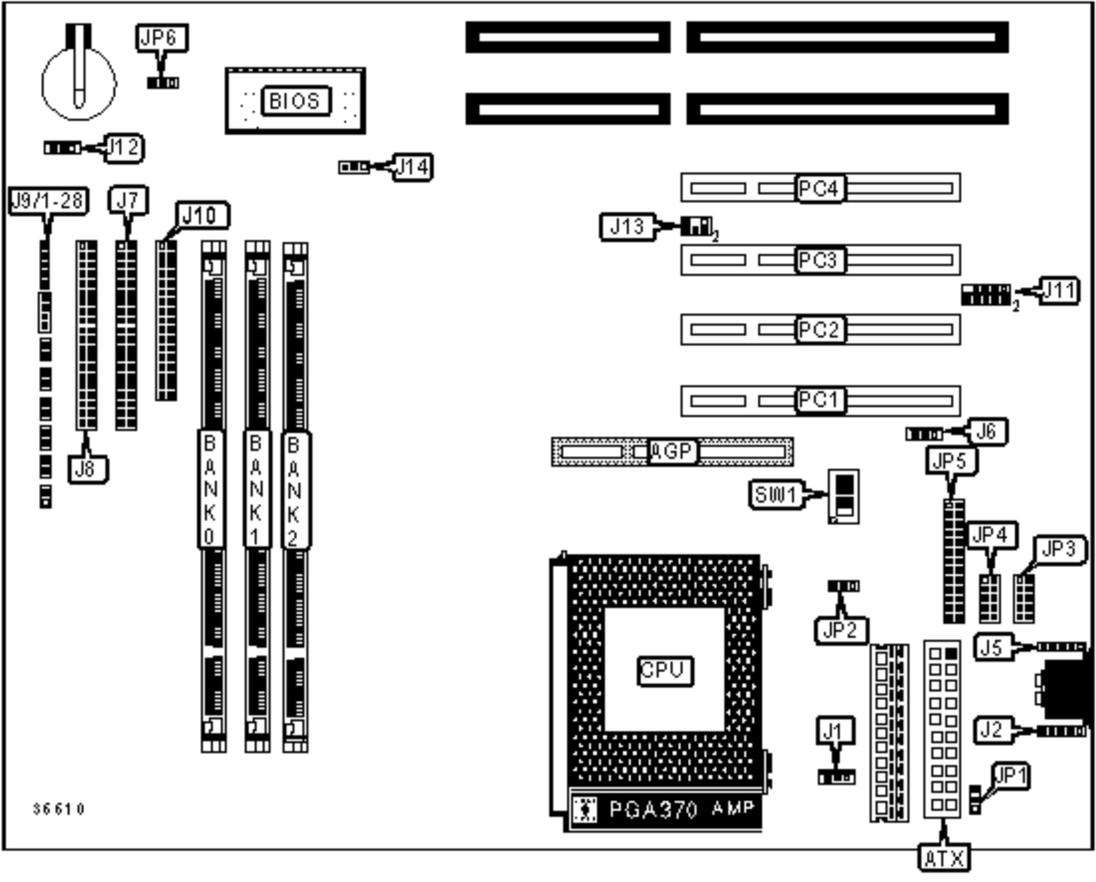


DIAMOND FLOWER, INC.

CB50-BX (REV. AA+)

Device Type	Mainboard
Processor	Celeron
Processor Speed	300/333/366/400/433/466
Chip Set	Intel 440BX
Maximum Onboard Memory	768MB (SDRAM supported)
Cache	256/512KB (located on the Pentium II CPU)
BIOS	Award
Dimensions	265mm x 220mm
I/O Options (backplane)	32-bit PCI slots (4), floppy drive interface, IDE interfaces (2), parallel port, PS/2 mouse interface, serial ports (2), USB connector, ATX power connector, AGP slot, SB-LINK connector, Wake-on-LAN connector



CONNECTIONS

Purpose	Location	Purpose	Location
AGP slot	AGP	Reset switch	J9/Pins 16 & 17
ATX power connector	ATX	Speaker	J9/Pins 19 - 22
CPU fan power	J1	Power LED & Keylock	J9/Pins 24 - 28
PS/2 mouse interface	J2	Floppy drive interface	J10
IR connector	J5	USB connector	J11

AGP fan power	J6	Chassis fan power	J12
IDE interface 2	J7	SB-LINK connector	J13
IDE interface 1	J8	Wake-on-LAN connector	J14
ATX-LED	J9/Pins 1 & 2	Serial port 2	JP3
Hard drives LED	J9/Pins 4 & 5	Serial port 1	JP4
Green LED	J9/Pins 7 & 8	Parallel port	JP5
ATX power switch enable	J9/Pins 10 & 11	32-bit PCI slots	PC1 - PC4
Green PC switch power	J9/Pins 13 & 14		

USER CONFIGURABLE SETTINGS

Function		Label	Position
»	Wake-on keyboard/mouse disabled	JP1	Pins 1 & 2 closed
	Wake-on keyboard/mouse enabled	JP1	Pins 2 & 3 closed
»	CMOS memory normal operation	JP6	Pins 1 & 2 closed
	CMOS memory clear	JP6	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) 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 (CELERON)			
Speed		Label	Position
»	Auto	JP2	Pins 1 & 2 closed
	66 MHz	JP2	Pins 2 & 3 closed
	100 MHz	JP2	Open

CPU SPEED/MULTIPLIER SELECTION						
CPU Speed	Clock Speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
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.