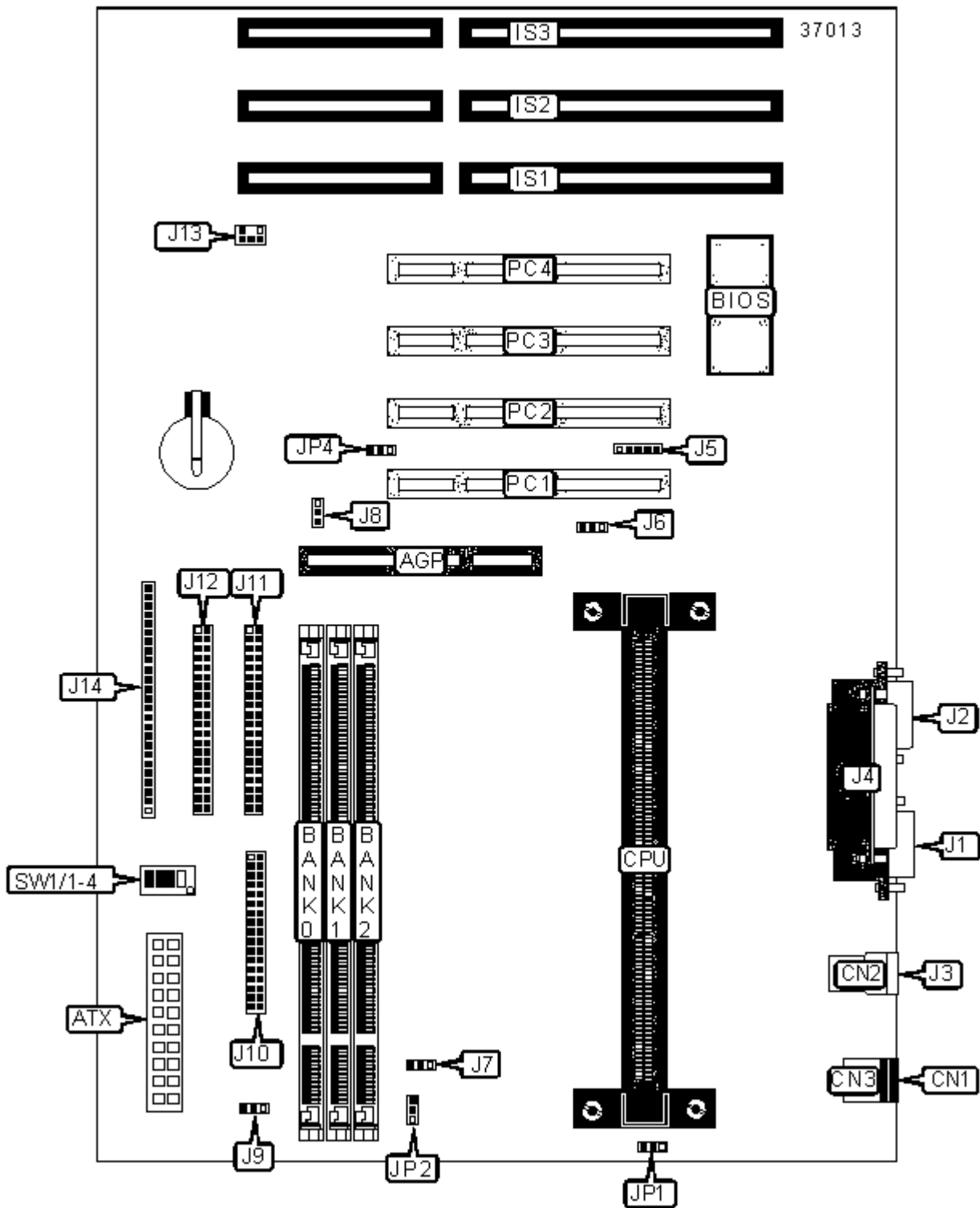


## DIAMOND FLOWER. INC.

PA61 (REV. D1+)

<b>Device Type</b>	Mainboard
<b>Processor</b>	Celeron/Pentium II/Pentium III
<b>Processor Speed</b>	233/266/300/333/350/366/400/433/450/500/533/550/600MHz
<b>Chip Set</b>	VIA
<b>Maximum Onboard Memory</b>	768MB (SDRAM supported)
<b>Cache</b>	0/128/256/512KB (located on the CPU)
<b>BIOS</b>	Award
<b>Dimensions</b>	304mm x 170mm
<b>I/O Options</b>	16-bit ISA slots (3), 32-bit PCI slots (4), floppy drive interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse port, PS/2 keyboard port, serial ports (2), IR connector, USB ports (2), ATX power connector, AGP slot, Wake-on-LAN connector, SB-Link connector



### CONNECTIONS

Purpose	Location	Purpose	Location
AGP slot	AGP	Chassis fan power	J9
ATX power connector	ATX	Floppy drive interface	J10
PS/2 mouse port	CN1	IDE interface 2	J11
USB port 1	CN2	IDE interface 1	J12

PS/2 keyboard port	CN3	SB-Link connector	J13
16-bit ISA slots	IS1-IS3	IDE interface LED	J14/Pins 1 & 2
Serial port 1	J1	Green PC LED	J14/Pins 4 & 5
Serial port 2	J2	Power switch	J14/Pins 7 & 8
USB port 2	J3	Green PC connector	J14/Pins 10 & 11
Parallel port	J4	Reset switch	J14/Pins 13 & 14
IR connector	J5	Speaker	J14/Pins 16-19
AGP fan power	J6	Power LED & keylock	J14/Pins 21-25
CPU fan power	J7	32-bit PCI slots	PC1 - PC4
Wake-on-LAN connector	J8		

### USER CONFIGURABLE SETTINGS

Function		Label	Position
»	Keyboard/mouse power on disabled	JP1	Pins 1 & 2 closed
	Keyboard/mouse power on enabled	JP1	Pins 2 & 3 closed
»	Factory configured - do not alter	JP2	Pins 1 & 2 closed
»	CMOS memory normal operation	JP4	Pins 1 & 2 closed
	CMOS memory clear	JP4	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) 8M x 64	None	None
64MB	(1) 4M x 64	(1) 2M x 64	(1) 2M x 64
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) 16M x 64	None	None
128MB	(1) 8M x 64	(1) 4M x 64	(1) 4M x 64
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) 32M x 64	None	None
256MB	(1) 16M x 64	(1) 8M x 64	(1) 8M x 64
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) 16M x 64	(1) 16M x 64	(1) 16M 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

Note: Board supports SDRAM memory.

### CACHE CONFIGURATION

Note: 512KB cache is located on the Pentium III CPUs. 256KB/512KB cache is located on the Pentium II CPUs. 128KB cache is located on the Celeron 300A and greater CPUs.

### CPU SPEED SELECTION (CELERON)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
266MHz	66MHz	4x	On	On	Off	On
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

#### CPU SPEED SELECTION (PENTIUM II)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
233MHz	66MHz	3.5x	Off	Off	On	On
266MHz	66MHz	4x	On	On	Off	On
300MHz	66MHz	4.5x	Off	On	Off	On
333MHz	66MHz	5x	On	Off	Off	On
350MHz	100MHz	3.5x	Off	Off	On	On
400MHz	100MHz	4x	On	On	Off	On
450MHz	100MHz	4.5x	Off	On	Off	On

#### CPU SPEED SELECTION (PENTIUM III)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
450MHz	100MHz	4.5x	Off	On	Off	On
500MHz	100MHz	5x	On	Off	Off	On
533MHz	133MHz	4x	On	On	Off	On
550MHz	100MHz	5.5x	Off	Off	Off	On
600MHz	100MHz	6x	On	On	On	Off
600MHz	133MHz	4.5x	Off	On	Off	On