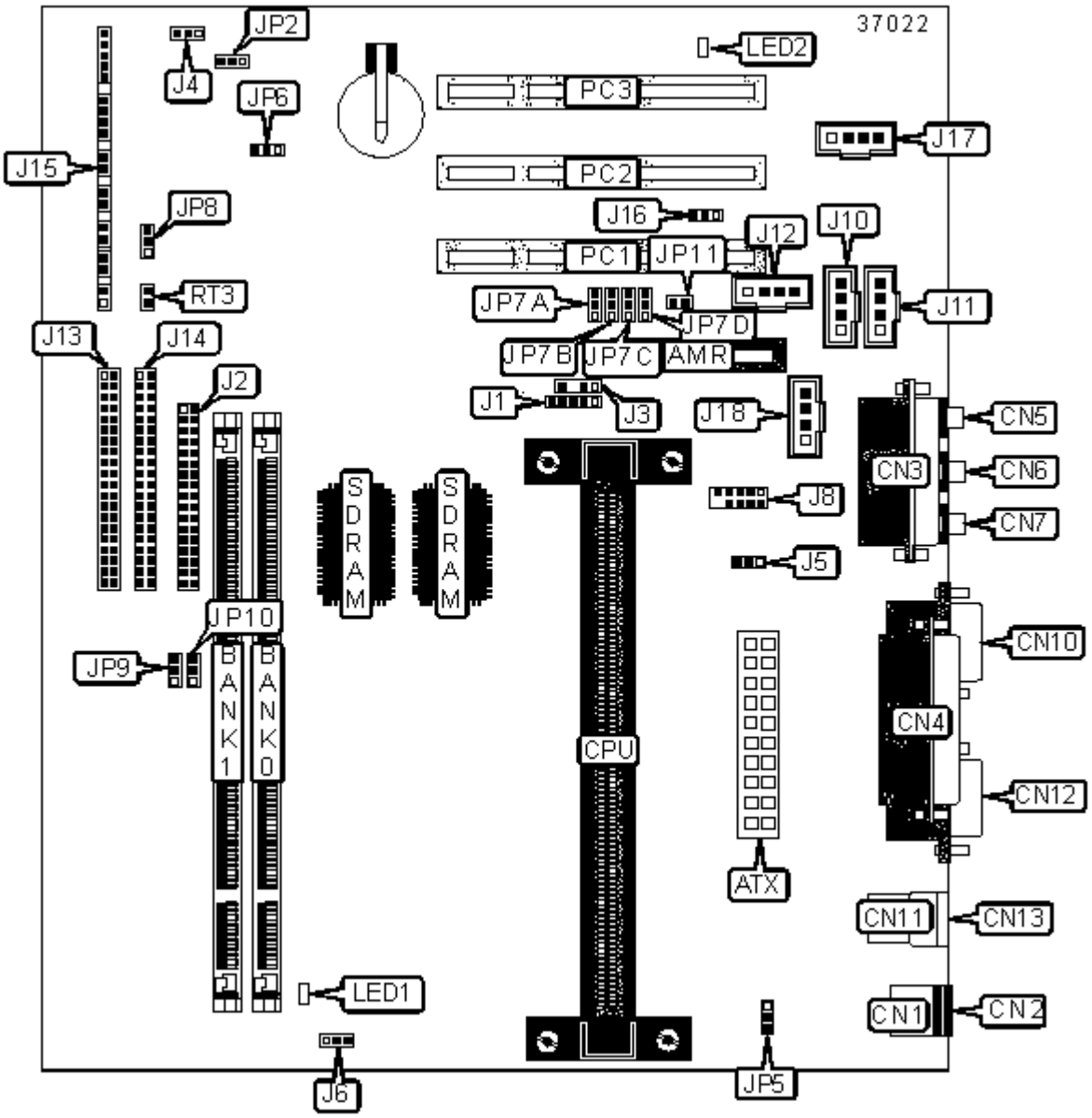
DIAMOND FLOWER, INC.

PW35-E (REV. A+)

Device Type	Mainboard
Processor	Celeron/Pentium II/Pentium III
Processor Speed	233/266/300/333/350/366/400/433/450/466/500/533/550/600MHz
Chip Set	Intel 810-E
Video Chip Set	Unidentified
Audio Chip Set	Unidentified
Maximum Onboard Memory	512MB (SDRAM supported)
Maximum Video Memory	4MB
Maximum Audio Memory	Unidentified
Cache	0/128/256/512KB (located on the CPU)
BIOS	Award
Dimensions	244mm x 210mm
I/O Options	32-bit PCI slots (3), floppy drive interface, game/MIDI port, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse port, PS/2 keyboard port, serial port, serial interface, VGA port, AMR, USB ports (2), IR connector, ATX power connector, line in, line out, microphone in, audio in - CD-ROMs (3), audio in - AUX, TAD connector



CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
Audio/modem riser slot	AMR	Serial interface	J8
ATX power connector	ATX	Audio in - CD-ROM (Sony)	J10
PS/2 mouse port	CN1	Audio in - CD-ROM (Mitsumi)	J11
PS/2 keyboard port	CN2	Audio in - CD-ROM (Sony)	J12
Game/MIDI port	CN3	IDE interface 1	J13
Parallel port	CN4	IDE interface 2	J14
Microphone in	CN5	IDE interface LED	J15/Pins 1 & 2
Line in	CN6	Green PC LED	J15/Pins 4 & 5

Line out	CN7	Power switch	J15/Pins 7 & 8
VGA port	CN10	Green PC switch	J15/Pins 10 & 11
USB port 1	CN11	Reset switch	J15/Pins 13 & 14
Serial port	CN12	PC speaker	J15/Pins 16-19
USB port 2	CN13	Power LED & keylock connector	J15/Pins 21 - 25
IR connector	J1	Wake-on-LAN connector	J16
Floppy drive interface	J2	TAD connector	J17
Chassis intrusion connector	J3	Audio in - AUX	J18
Chassis fan power 1	J4	32-bit PCI slots	PC1 - PC3
CPU fan power	J5	Thermal connector	RT3
Chassis fan power 2	J6		

USER CONFIGURABLE SETTINGS			
Function		**Label**	**Position**
»	CMOS memory normal operation	JP2	Pins 1 & 2 closed
	CMOS memory clear	JP2	Pins 2 & 3 closed
»	Wake-on-keyboard/mouse disabled	JP5	Pins 1 & 2 closed
	Wake-on-keyboard/mouse enabled	JP5	Pins 2 & 3 closed
»	Factory configured - do not alter	JP6	Pins 1 & 2 closed
»	PC speaker enabled	JP8	Pins 2 & 3 closed
	External speaker enabled	JP8	Pins 1 & 2 closed
»	3.3VSB standby for PCI slots enabled	JP11	Closed
	3.3VSB standby for PCI slots disabled	JP11	Open

DIMM CONFIGURATION		
Size	**Bank 0**	**Bank 1**
16MB	(1) 2M x 64	None
32MB	(1) 4M x 64	None

32MB	(1) 2M x 64	(1) 2M x 64
48MB	(1) 4M x 64	(1) 2M x 64
64MB	(1) 8M x 64	None
64MB	(1) 4M x 64	(1) 4M x 64
80MB	(1) 8M x 64	(1) 2M x 64
96MB	(1) 8M x 64	(1) 4M x 64
128MB	(1) 16M x 64	None
128MB	(1) 8M x 64	(1) 8M x 64
144MB	(1) 16M x 64	(1) 2M x 64
160MB	(1) 16M x 64	(1) 4M x 64
192MB	(1) 16M x 64	(1) 8M x 64
256MB	(1) 16M x 64	(1) 16M x 64
256MB	(1) 32M x 64	None
272MB	(1) 32M x 64	(1) 2M x 64
288MB	(1) 32M x 64	(1) 4M x 64
320MB	(1) 32M x 64	(1) 8M x 64
384MB	(1) 32M x 64	(1) 16M x 64
512MB	(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. 256/512KB cache is located on the Pentium II CPUs. 128KB cache is located on the Celeron 300A and greater CPUs..

CPU SPEED SELECTION			
Clock speed		**JP9**	**JP10**
»	Automatic speed selection	Pins 2 & 3 closed	Pins 2 & 3 closed
	66MHZ	Pins 1 & 2 closed	Pins 1 & 2 closed
	100MHz	Open	Pins 1 & 2 closed

	133MHz	Open	Open

AUDIO CODEC SELECTION					
Setting		**JP7A**	**JP7B**	**JP7C**	**JP7D**
»	On-board audio CODEC enabled	1 & 2	1 & 2	1 & 2	1 & 2
	On-board audio CODEC disabled	2 & 3	2 & 3	2 & 3	2 & 3
Note: Pins designated should be in the closed position.					

DIAGNOSTIC LED(S)			
LED	**Color**	**Status**	**Condition**
LED1	Unidentified	On	DIMM standby power on
LED1	Unidentified	Off	DIMM standby power off
LED2	Unidentified	On	PCI standby power on
LED2	Unidentified	Off	PCI standby power off