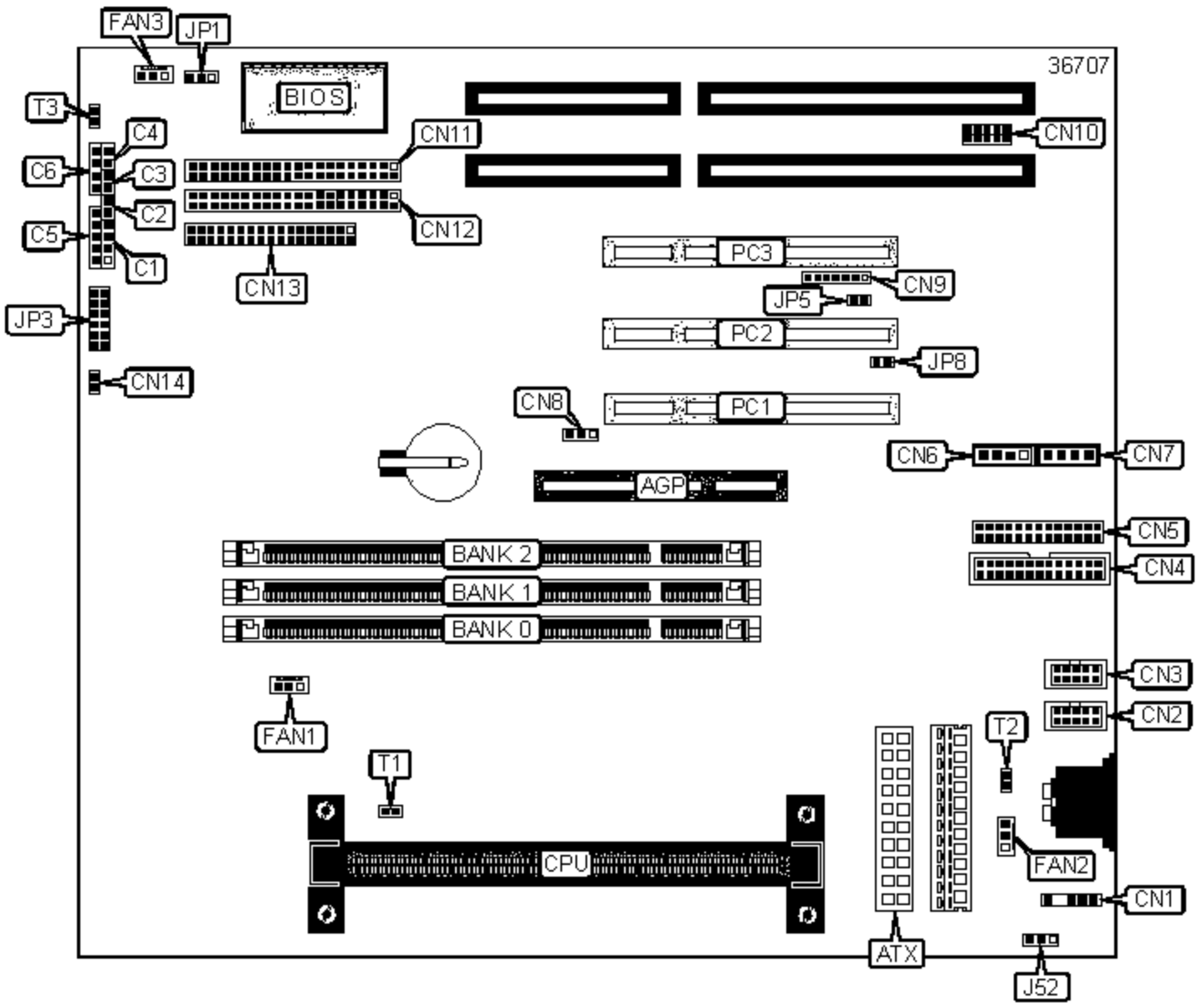


# IWILL CORPORATION

## AB100

Device Type	Mainboard
Processor	Pentium II
Processor Speed	233/266/300/333/350/400/450/500MHz
Chip Set	ALI
Audio Chip Set	Unidentified
Maximum Onboard Memory	1GB (EDO & SDRAM supported)
Maximum Audio Memory	Unidentified
Cache	256/512KB (located on the Pentium II CPU)
BIOS	Award
Dimensions	250mm x 220mm
I/O Options	32-bit PCI slots (3), AGP slot, ATX power connector, Audio in - CD-ROMs (2), Floppy drive interface, IDE interfaces (2), IR connector, Parallel interface, PS/2 mouse interface, Serial interfaces (2), Sound/game interface, USB interface, Wake-on-LAN connector



### CONNECTIONS

Location	Location
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Purpose	Location	Purpose	Location
AGP slot	AGP	Wake-on LAN connector	CN8
ATX power connector	ATX	IR connector	CN9
ACPI LED	C1	USB interface	CN10
IDE interface LED	C2	IDE interface 2	CN11
Unidentified	C3	IDE interface 1	CN12
Reset switch	C4	Floppy drive interface	CN13
Power LED & keylock	C5	Power switch	CN14
Speaker	C6	CPU fan power	FAN1
PS/2 mouse interface	CN1	System fan power	FAN2
Serial interface 1	CN2	System fan power	FAN3
Serial interface 2	CN3	32-bit PCI slots	PC1 - PC3
Parallel interface	CN4	Temperature sensor connector 1	T1
Sound/game interface	CN5	Temperature sensor connector 2	T2
Audio in - CD-ROM	CN6	Temperature sensor connector 3	T3
Audio in - CD-ROM	CN7		

### USER CONFIGURABLE SETTINGS

Function		Label	Position
	Power-on by keyboard enabled	J52	Pins 1 & 2 closed
	Power-on by keyboard disabled	J52	Pins 2 & 3 closed
»	CMOS memory normal operation	JP1	Pins 1 & 2 closed
	CMOS memory clear	JP1	Pins 2 & 3 closed
»	Factory configured - do not alter	JP5	Unidentified
	Sound enabled	JP8	Closed
	Sound disabled	JP8	Open

## DIMM CONFIGURATION

Size	Bank 0	Bank 1	Bank 2
8MB	(1) 1M x 64	None	None
16MB	(1) 1M x 64	(1) 1M x 64	None
16MB	(1) 2M x 64	None	None
24MB	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64
32MB	(1) 2M x 64	(1) 2M x 64	None
32MB	(1) 4M x 64	None	None
32MB	(1) 2M x 64	(1) 1M x 64	(1) 1M x 64
48MB	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64
48MB	(1) 4M x 64	(1) 1M x 64	(1) 1M 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
80MB	(1) 8M x 64	(1) 1M x 64	(1) 1M 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
144MB	(1) 16M x 64	(1) 1M x 64	(1) 1M 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
272MB	(1) 32M x 64	(1) 1M x 64	(1) 1M x 64
288MB	(1) 32M x 64	(1) 2M x 64	(1) 2M 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 EDO & SDRAM memory. EDO & SDRAM can not be mixed.

### CACHE CONFIGURATION

Note: 256/512KB cache is located on the Pentium II CPU.

### CPU FREQUENCY SELECTION

CPU speed	Clock speed	Multiplier	JP3/350	JP3/400	JP3/450	JP3/500	JP3/RS0	JP3/RS1
233MHz	66MHz	3.5x	Closed	Open	Open	Open	Closed	Open
266MHz	66MHz	4x	Open	Closed	Open	Open	Closed	Open
300MHz	66MHz	4.5x	Open	Open	Closed	Open	Closed	Open
333MHz	66MHz	5x	Open	Open	Open	Closed	Closed	Open
350MHz	100MHz	3.5x	Closed	Open	Open	Open	Open	Open
400MHz	100MHz	4x	Open	Closed	Open	Open	Open	Open
450MHz	100MHz	4.5x	Open	Open	Closed	Open	Open	Open
500MHz	100MHz	5x	Open	Open	Open	Closed	Open	Open