AMPTRON INTERNATIONAL, INC.

PII-2100

Device Type	Mainboard
Processor	Pentium II
Processor Speed	233/266/300/333/366MHz
Chip Set	Intel 440LX
Maximum Onboard Memory	256MB (EDO & SDRAM supported)
Audio Chip Set	Unidentified
Cache	256/512KB (located on Pentium II CPU)
BIOS	AMI
Dimensions	220mm x 220mm
I/O Options	32-bit PCI slots (3), floppy drive interface, IDE interfaces (2), parallel port, PS/2 mouse port, PS/2 mouse interface, serial ports (2), ATX power connector, AGP slot, audio in - CD-ROMs (2)
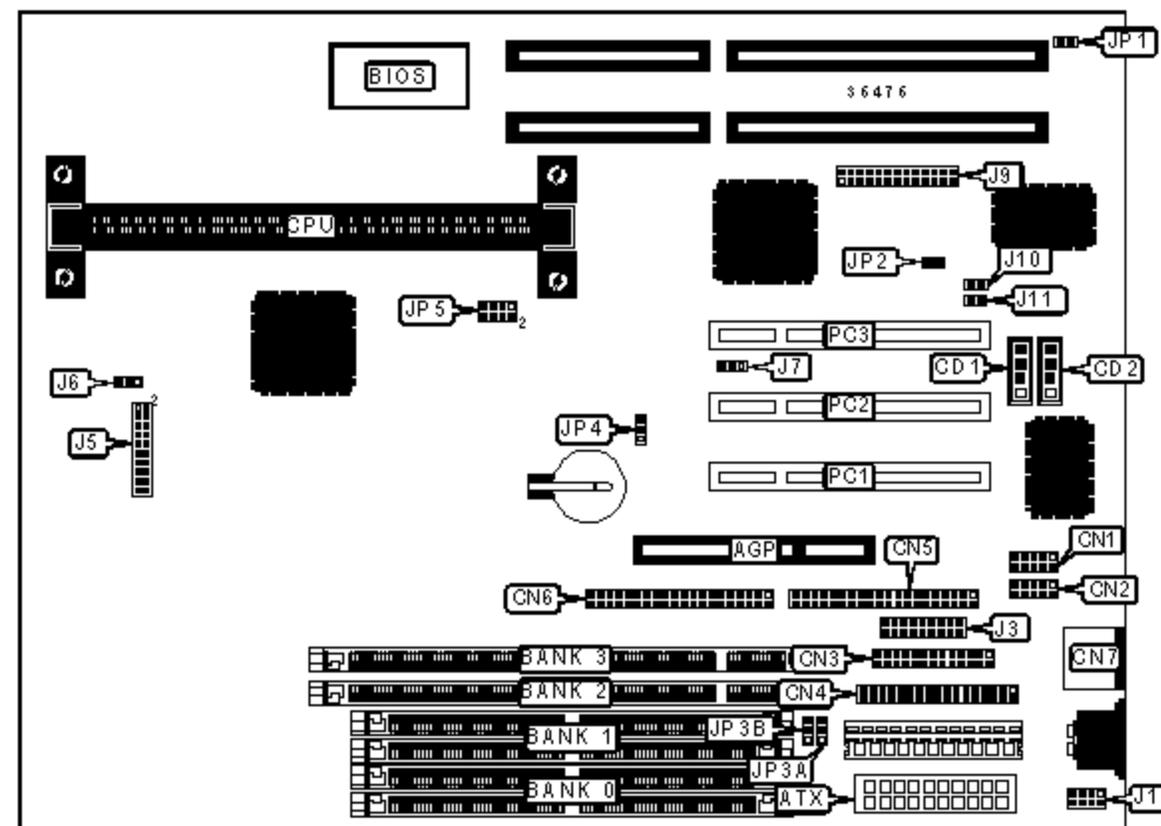
CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
AGP slot	AGP	ATX form card connector	J3
ATX power connector	ATX	Speaker	J5/pins 1/3/5/7
Audio in - CD-ROM	CD1	Power LED & keylock	J5/pins 2/4/6/8/10
Audio in - CD-ROM	CD2	IDE interface LED	J5/pins 15 & 16
Serial port 1	CN1	Reset switch	J5/pins 17 & 18
Serial port 2	CN2	Chassis fan power	J6

Parallel port	CN3	CPU fan power	J7
Floppy drive interface	CN4	Sound/game connector	J9
IDE interface 2	CN5	Digital audio out	J10
IDE interface 1	CN6	Digital audio in	J11
PS/2 mouse port	CN7	32-bit PCI slots	PC1 - PC3
PS/2 mouse interface	J1		

USER CONFIGURABLE SETTINGS			
	Function	Label	Position
»	On board sound enabled	JP1	Pins 2 & 3 closed
	On board sound disabled	JP1	Pins 1 & 2 closed
»	Microphone type select standard	JP2	Open
	Microphone type select special	JP2	Closed
»	CMOS memory normal operation	JP4	Pins 1 & 2 closed
	CMOS memory clear	JP4	Pins 2 & 3 closed

SIMM CONFIGURATION		
Size	Bank 0	Bank 1
8MB	(2) 1M x 36	None
16MB	(2) 2M x 36	None
16MB	(2) 1M x 36	(2) 1M x 36
24MB	(2) 2M x 36	(2) 1M x 36
32MB	(2) 4M x 36	None
32MB	(2) 2M x 36	(2) 2M x 36
40MB	(2) 4M x 36	(2) 1M x 36
48MB	(2) 4M x 36	(2) 2M x 36
64MB	(2) 8M x 36	None

Size		
64MB	(2) 4M x 36	(2) 4M x 36
72MB	(2) 8M x 36	(2) 1M x 36
80MB	(2) 8M x 36	(2) 2M x 36
96MB	(2) 8M x 36	(2) 4M x 36
128MB	(2) 8M x 36	(2) 8M x 36
128MB	(2) 16M x 36	None
136MB	(2) 16M x 36	(2) 1M x 36
144MB	(2) 16M x 36	(2) 2M x 36
160MB	(2) 16M x 36	(2) 4M x 36
192MB	(2) 16M x 36	(2) 8M x 36
256MB	(2) 16M x 36	(2) 16M x 36
Note: Board accepts EDO memory.		

DIMM CONFIGURATION		
Size	Bank 2	Bank 3
8MB	(1) 1M x 64	None
16MB	(1) 2M x 64	None
16MB	(1) 1M x 64	(1) 1M x 64
24MB	(1) 2M x 64	(1) 1M x 64
32MB	(1) 4M x 64	None
32MB	(1) 2M x 64	(1) 2M x 64
40MB	(1) 4M x 64	(1) 1M 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
72MB	(1) 8M x 64	(1) 1M 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
136MB	(1) 16M x 64	(1) 1M 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
Note: Board accepts SDRAM memory.		

DIMM VOLTAGE CONFIGURATION			
Voltage		**JP3A**	**JP3B**
»	3.3v	Pins 2 & 3 closed	Pins 2 & 3 closed
	5v	Pins 1 & 2 closed	Pins 1 & 2 closed

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

CPU SPEED SELECTION				
CPU speed	**Clock speed**	**Multiplier**	**JP5/pins 1 & 2**	**JP5/pins 3 & 4**
233MHz	66MHz	3.5x	Open	Closed
266MHz	66MHz	4x	Closed	Closed
300MHz	66MHz	4.5x	Open	Closed
333MHz	66MHz	5x	Closed	Closed
366MHz	66MHz	5.5x	Open	Closed

CPU SPEED SELECTION (CON'T)				
CPU speed	**Clock speed**	**Multiplier**	**JP5/pins 5 & 6**	**JP5/pins 7 & 8**

233MHz	66MHz	3.5x	Closed	Closed
266MHz	66MHz	4x	Open	Closed
300MHz	66MHz	4.5x	Open	Closed
333MHz	66MHz	5x	Open	Closed
366MHz	66MHz	5.5x	Open	Closed