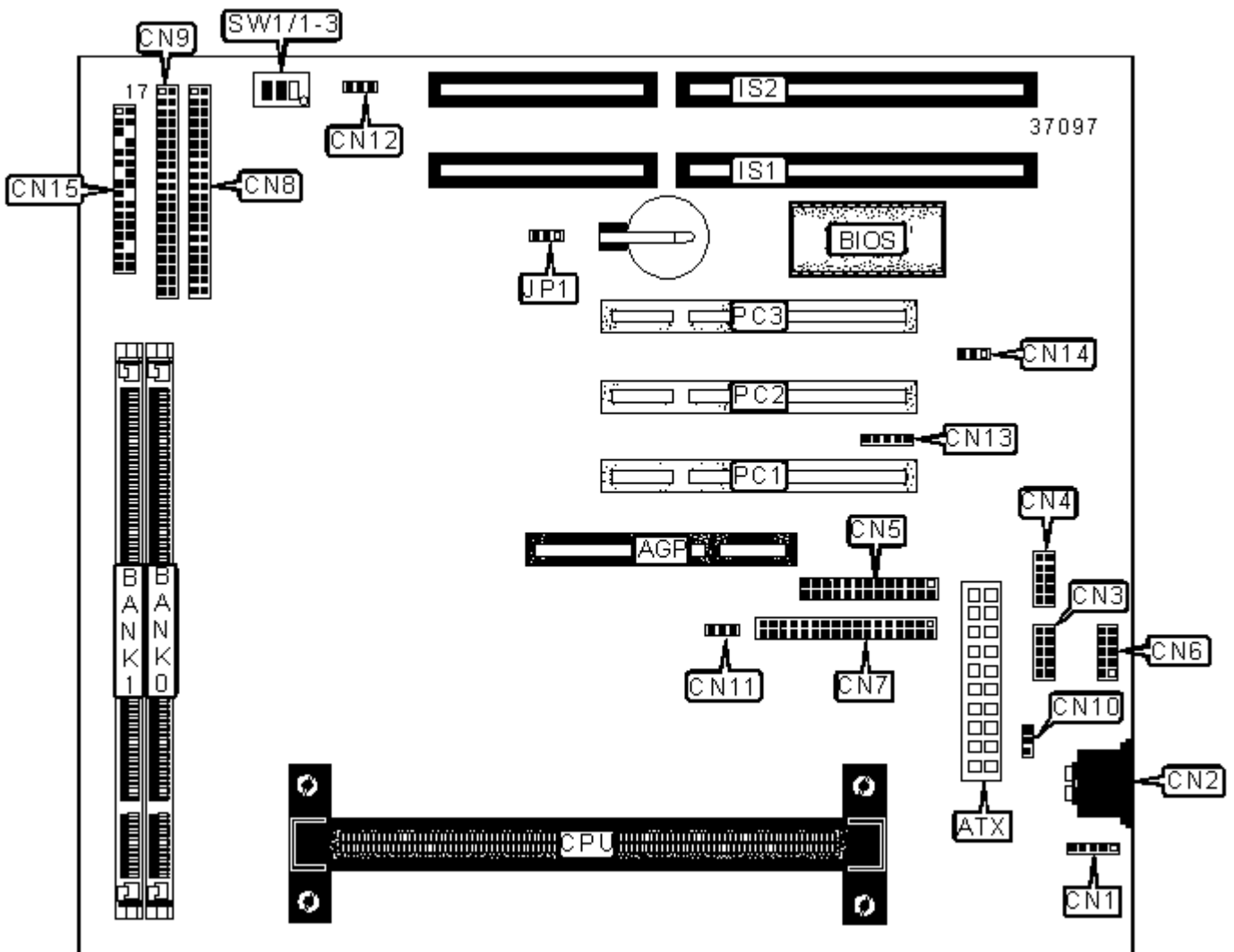


# VISIONTOP TECHNOLOGY

## P2-EX (AT FORM FACTOR)

<b>Device Type</b>	Mainboard
<b>Processor</b>	Pentium II
<b>Processor Speed</b>	233/266/300/333MHz
<b>Chip Set</b>	Intel 440EX
<b>Maximum Onboard Memory</b>	256MB (EDO & SDRAM supported)
<b>Cache</b>	256/512KB (located on the Pentium II CPU)
<b>BIOS</b>	Award
<b>Dimensions</b>	220mm x 230mm
<b>I/O Options</b>	16-bit ISA slots (2), 32-bit PCI slots (3), floppy drive interface, green PC connector, IDE interfaces (2), parallel interface, PS/2 mouse interface, AT keyboard connector, serial interfaces (2), IR connectors (2), USB interface, ATX power connector, AGP slot, Wake-on-LAN connector



### CONNECTIONS

Purpose	Location	Purpose	Location
AGP slot	AGP	IR connector	CN13
ATX power connector	ATX	Wake-on-LAN connector	CN14

PS/2 mouse interface	CN1	Turbo switch	CN15/Pins 1 - 3
AT keyboard connector	CN2	Reset switch	CN15/Pins 5 & 6
Serial interface 1	CN3	IDE interface LED	CN15/Pins 8 & 9
Serial interface 2	CN4	IR connector	CN15/Pins 10 - 14
Parallel interface	CN5	Power switch	CN15/Pins 15 & 16
USB interface	CN6	Turbo LED	CN15/Pins 17 & 18
Floppy drive interface	CN7	Power LED & keylock	CN15/Pins 20 - 24
IDE interface 1	CN8	Speaker	CN15/Pins 26 - 29
IDE interface 2	CN9	Green PC connector	CN15/Pins 31 & 32
CPU fan power	CN10	16-bit ISA slots	IS1-IS2
Power fan power	CN11	32-bit PCI slots	PC1 - PC3
Chassis fan power	CN12		

#### USER CONFIGURABLE SETTINGS

Function		Label	Position
»	CMOS memory normal operation	JP1	Pins 2 & 3 closed
	CMOS memory clear	JP1	Pins 1 & 2 closed

#### DIMM CONFIGURATION

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

64MB	(1) 8M x 64	None
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) 8M x 64	(1) 8M x 64
128MB	(1) 16M x 64	None
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 supports EDO & SDRAM memory.

#### CACHE CONFIGURATION

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

#### CPU SPEED SELECTION (PENTIUM II)

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