VISIONTOP TECHNOLOGY

P2-LX (ATX FORM FACTOR)

Device Type	Mainboard
Processor	Pentium II
Processor Speed	233/266/300/333MHz
Chip Set	Intel 440LX
Maximum Onboard Memory	384MB (EDO & SDRAM supported)
Cache	256/512KB (located on the Pentium II CPU)
BIOS	Award
Dimensions	305mm x 195mm
I/O Options	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 connectors (2), USB ports (2), ATX power connector, AGP slot

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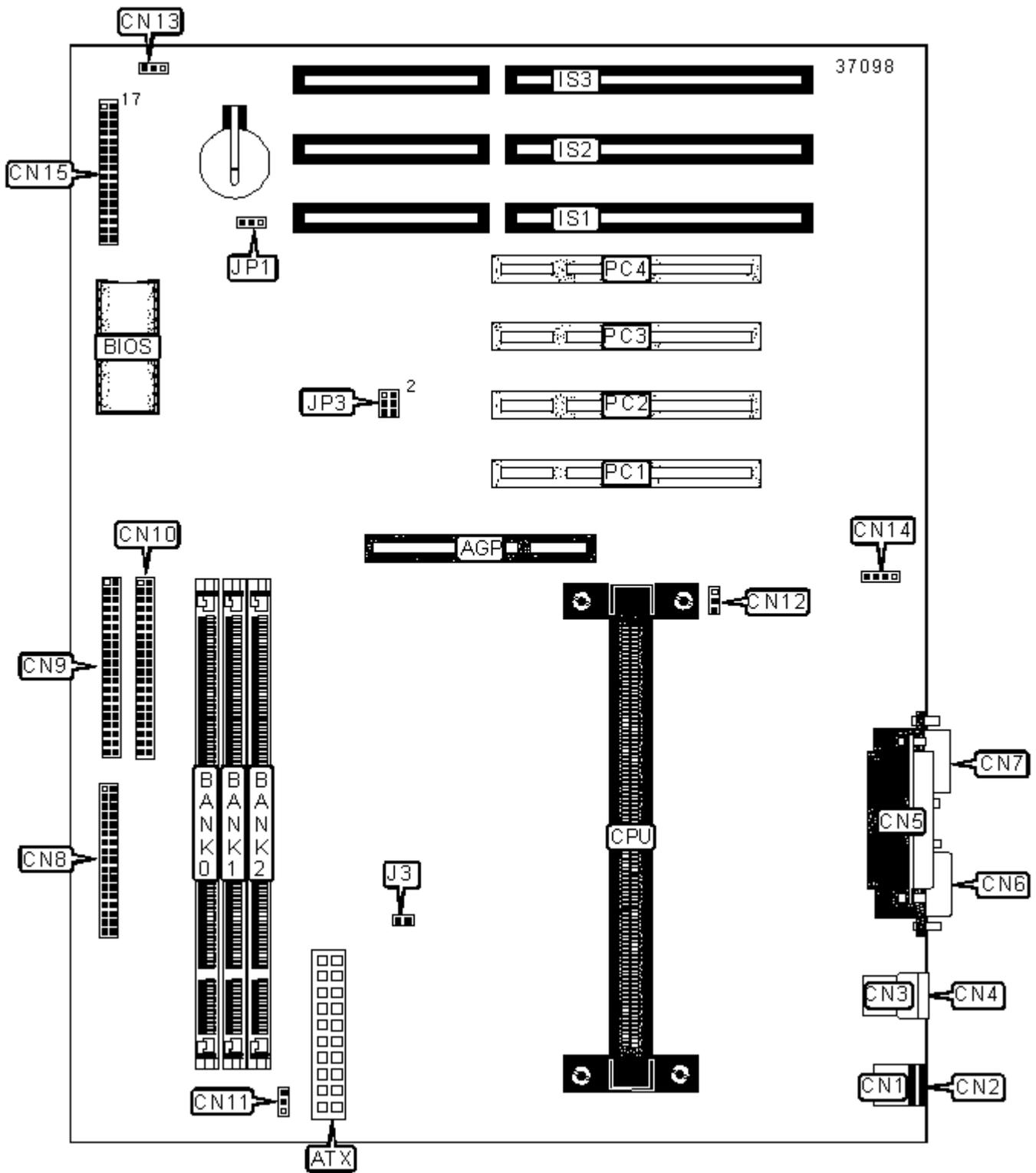
CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
AGP slot	AGP	Chassis fan power	CN13
ATX power connector	ATX	IR connector	CN14
PS/2 mouse port	CN1	Turbo switch	CN15/Pins 1 - 3

PS/2 keyboard port	CN2	Reset switch	CN15/Pins 5 & 6
USB port 2	CN3	IDE interface LED	CN15/Pins 8 & 9
USB port 1	CN4	IR connector	CN15/Pins 10 - 14
Parallel port	CN5	Power switch	CN15/Pins 15 & 16
Serial port 1	CN6	Turbo LED	CN15/Pins 17 & 18
Serial port 2	CN7	Power LED & keylock	CN15/Pins 20 - 24
Floppy drive interface	CN8	Speaker	CN15/Pins 26 - 29
IDE interface 1	CN9	Green PC connector	CN15/Pins 31 & 32
IDE interface 2	CN10	16-bit ISA slots	IS1-IS3
Power fan power	CN11	Unidentified	J3
CPU fan power	CN12	32-bit PCI slots	PC1 - PC4

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**	**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) 8M x 64	(1) 8M x 64
256MB	(1) 16M x 64	(1) 16M x 64	None

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	JP3/Pins 1 & 2	JP3/Pins 3 & 4	JP3/Pins 5 & 6
233MHz	66MHz	3.5x	Closed	Open	Open
266MHz	66MHz	4x	Open	Closed	Closed
300MHz	66MHz	4.5x	Open	Closed	Open
333MHz	66MHz	5x	Open	Open	Closed