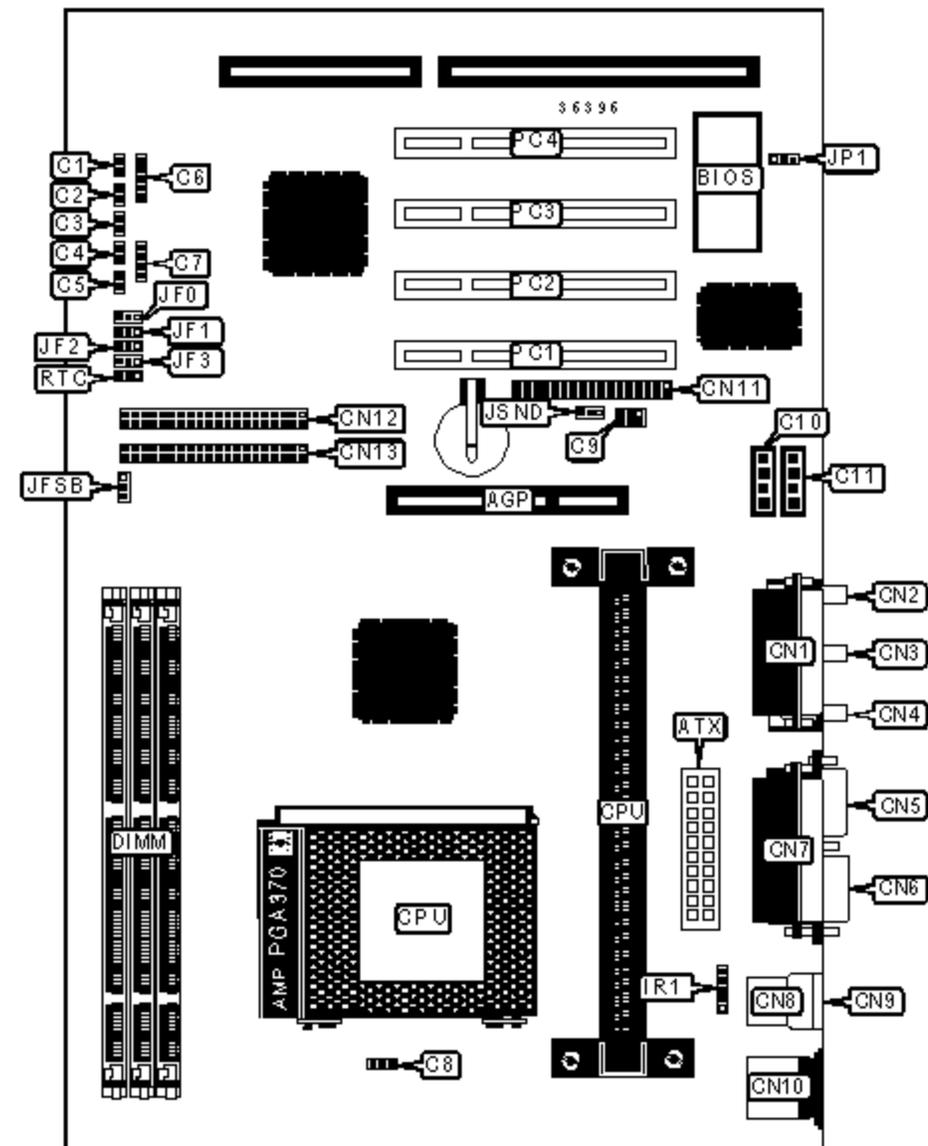


## P2/370A (SOUND)

<b>Device Type</b>	Mainboard
<b>Processor</b>	Pentium II/Celeron/Pentium III
<b>Processor Speed</b>	200/233/266/300/333/350/366/400/450/500/550/600/650/700/750/800MHz
<b>Chip Set</b>	Intel 440BX
<b>Maximum Onboard Memory</b>	768MB (EDO & SDRAM supported)
<b>Audio Chip Set</b>	ESS
<b>Cache</b>	0/128/256/512KB (located on the CPU)
<b>BIOS</b>	Award
<b>Dimensions</b>	305mm x 170mm
<b>I/O Options</b>	32-bit PCI slots (4), floppy drive interface, game/MIDI port, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse port, serial ports (2), IR connector, USB connectors (2), ATX power connector, AGP slot, line in, line out, microphone in, audio in - CD-ROMs (2), SB-link connector, wake on LAN connector



### CONNECTIONS

Purpose	Location	Purpose	Location
PS/2 mouse interface		Green PC LED	

VGA feature connector		External memory card	
Serial port 2		Speaker	
Serial port 1		Power LED & keylock	
Parallel port		Bus mouse port	
External battery		32-bit external memory card	
SB-link connector		Line in	
Wake on LAN connector		Line out	
Wake on modem connector		Microphone in	
PC/104 connector		Wavetable connector	
		SCSI interface	
Game/MIDI port		SCSI-2 interface	
3.3v power		Ultra Wide SCSI interface	
3.3v auxiliary power		Wide SCSI interface	
Audio in - CD-ROM		5v power	
Game port		5v auxiliary power	
Game interface		RAID slot	
PS/2 mouse port		32-bit PCI slots	PC1 - PC
Green PC connector		32-bit VESA local bus slots	
AGP slot	AGP		
ATX power connector	ATX		
USB connector		CPU fan power	
VRM connector		Floppy drive interface	
Cache slot		VGA port	
IDE interface 1		32-bit system memory card	
Turbo LED		Reset switch	
IDE interface LED		Turbo switch	

USB connector 1		Soft off power supply	
USB connector 2			
Riser slot		Chassis fan power	
IDE interface 2		IR connector	

### USER CONFIGURABLE SETTINGS

Function		Label	Position
»	On board sound enabled	JSND	Pins 1 & 2 closed
	On board sound disabled	JSND	Pins 2 & 3 closed
»	CMOS memory normal operation	RTC	Pins 2 & 3 closed
	CMOS memory clear	RTC	Pins 1 & 2 closed

### DIMM CONFIGURATION

Size	Bank 0	Bank 1	Bank 2
8MB	(1) 1M x 64	None	None
16MB	(1) 2M x 64	None	None
16MB	(1) 1M x 64	(1) 1M x 64	None
24MB	(1) 2M x 64	(1) 1M x 64	None
24MB	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64
32MB	(1) 4M x 64	None	None
32MB	(1) 2M x 64	(1) 1M x 64	(1) 1M x 64
32MB	(1) 2M x 64	(1) 2M x 64	None
40MB	(1) 4M x 64	(1) 1M x 64	None
40MB	(1) 2M x 64	(1) 2M x 64	(1) 1M x 64
48MB	(1) 4M x 64	(1) 1M x 64	(1) 1M x 64
48MB	(1) 4M x 64	(1) 2M x 64	None
48MB	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64
56MB	(1) 4M x 64	(1) 2M x 64	(1) 1M x 64

56MB	(1) 4M x 64	(1) 2M x 64	(1) 1M x 64
64MB	(1) 8M x 64	None	None
64MB	(1) 4M x 64	(1) 2M x 64	(1) 2M x 64
64MB	(1) 4M x 64	(1) 4M x 64	None
72MB	(1) 8M x 64	(1) 1M x 64	None
72MB	(1) 4M x 64	(1) 4M x 64	(1) 1M x 64
80MB	(1) 8M x 64	(1) 1M x 64	(1) 1M x 64
80MB	(1) 8M x 64	(1) 2M x 64	None
80MB	(1) 4M x 64	(1) 4M x 64	(1) 2M x 64
88MB	(1) 8M x 64	(1) 2M x 64	(1) 1M x 64
96MB	(1) 8M x 64	(1) 2M x 64	(1) 2M x 64
96MB	(1) 8M x 64	(1) 4M x 64	None
96MB	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64
104MB	(1) 8M x 64	(1) 4M x 64	(1) 1M x 64
112MB	(1) 8M x 64	(1) 4M x 64	(1) 2M x 64
128MB	(1) 16M x 64	None	None
128MB	(1) 8M x 64	(1) 4M x 64	(1) 4M x 64
128MB	(1) 8M x 64	(1) 8M x 64	None
136MB	(1) 16M x 64	(1) 1M x 64	None
136MB	(1) 8M x 64	(1) 8M x 64	(1) 1M x 64
144MB	(1) 16M x 64	(1) 1M x 64	(1) 1M x 64
144MB	(1) 16M x 64	(1) 2M x 64	None
144MB	(1) 8M x 64	(1) 8M x 64	(1) 2M x 64
152MB	(1) 16M x 64	(1) 2M x 64	(1) 1M x 64
160MB	(1) 16M x 64	(1) 2M x 64	(1) 2M x 64
160MB	(1) 16M x 64	(1) 4M x 64	None
160MB	(1) 8M x 64	(1) 8M x 64	(1) 4M x 64
168MB	(1) 16M x 64	(1) 4M x 64	(1) 1M x 64
176MB	(1) 16M x 64	(1) 4M x 64	(1) 2M x 64

192MB	(1) 16M x 64	(1) 4M x 64	(1) 4M x 64
192MB	(1) 16M x 64	(1) 8M x 64	None
192MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64
200MB	(1) 16M x 64	(1) 8M x 64	(1) 1M x 64
208MB	(1) 16M x 64	(1) 8M x 64	(1) 2M x 64
224MB	(1) 16M x 64	(1) 8M x 64	(1) 4M x 64
256MB	(1) 32M x 64	None	None
256MB	(1) 16M x 64	(1) 8M x 64	(1) 8M x 64
264MB	(1) 32M x 64	(1) 1M x 64	None
272MB	(1) 32M x 64	(1) 1M x 64	(1) 1M x 64
272MB	(1) 32M x 64	(1) 2M x 64	None
288MB	(1) 32M x 64	(1) 2M x 64	(1) 2M x 64
288MB	(1) 32M x 64	(1) 4M x 64	None
320MB	(1) 32M x 64	(1) 4M x 64	(1) 4M x 64
320MB	(1) 32M x 64	(1) 8M x 64	None
384MB	(1) 32M x 64	(1) 8M x 64	(1) 8M x 64
384MB	(1) 32M x 64	(1) 16M x 64	None
384MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64
512MB	(1) 32M x 64	(1) 16M x 64	(1) 16M x 64
512MB	(1) 32M x 64	(1) 32M x 64	None
768MB	(1) 32M x 64	(1) 32M x 64	(1) 32M x 64
Note: Board accepts EDO & SDRAM memory. The location of the banks is unidentified.			

### CACHE CONFIGURATION

Note: 256KB/512KB cache is located on the Pentium II CPU. 128KB cache is located on the Celeron 300A & 333 CPU.

### CPU SPEED SELECTION

CPU speed	Clock speed	Multplier	IF0	IF1	IF2	IF3
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CPU speed	Clock speed	Multiplier	JF0	JF1	JF2	JF3
200MHz	66MHz	3x	1 & 2	2 & 3	1 & 2	1 & 2
233MHz	66MHz	3.5x	1 & 2	2 & 3	2 & 3	1 & 2
266MHz	66MHz	4x	2 & 3	1 & 2	1 & 2	1 & 2
300MHz	66MHz	4.5x	2 & 3	1 & 2	2 & 3	1 & 2
333MHz	66MHz	5x	2 & 3	2 & 3	1 & 2	1 & 2
366MHz	66MHz	5.5x	2 & 3	2 & 3	2 & 3	1 & 2
400MHz	66MHz	6x	1 & 2	1 & 2	1 & 2	2 & 3
433MHz	66MHz	6.5x	1 & 2	1 & 2	2 & 3	2 & 3
466MHz	66MHz	7x	1 & 2	2 & 3	1 & 2	2 & 3
500MHz	66MHz	7.5x	1 & 2	2 & 3	2 & 3	2 & 3
533MHz	66MHz	8x	2 & 3	1 & 2	1 & 2	2 & 3
300MHz	100MHz	3x	1 & 2	2 & 3	1 & 2	1 & 2
350MHz	100MHz	3.5x	1 & 2	2 & 3	2 & 3	1 & 2
400MHz	100MHz	4x	2 & 3	1 & 2	1 & 2	1 & 2
450MHz	100MHz	4.5x	2 & 3	1 & 2	2 & 3	1 & 2
500MHz	100MHz	5x	2 & 3	2 & 3	1 & 2	1 & 2
550MHz	100MHz	5.5x	2 & 3	2 & 3	2 & 3	1 & 2
600MHz	100MHz	6x	1 & 2	1 & 2	1 & 2	2 & 3
650MHz	100MHz	6.5x	1 & 2	1 & 2	2 & 3	2 & 3
700MHz	100MHz	7x	1 & 2	2 & 3	1 & 2	2 & 3
750MHz	100MHz	7.5x	1 & 2	2 & 3	2 & 3	2 & 3
800MHz	100MHz	8x	2 & 3	1 & 2	1 & 2	2 & 3

Note: Pins designated should be in the closed position.

### CPU FREQUENCY SELECTION

Frequency	JFSB
Auto detect	Open

66MHz

Pins 2 & 3 closed

100MHz

Pins 1 & 2 closed