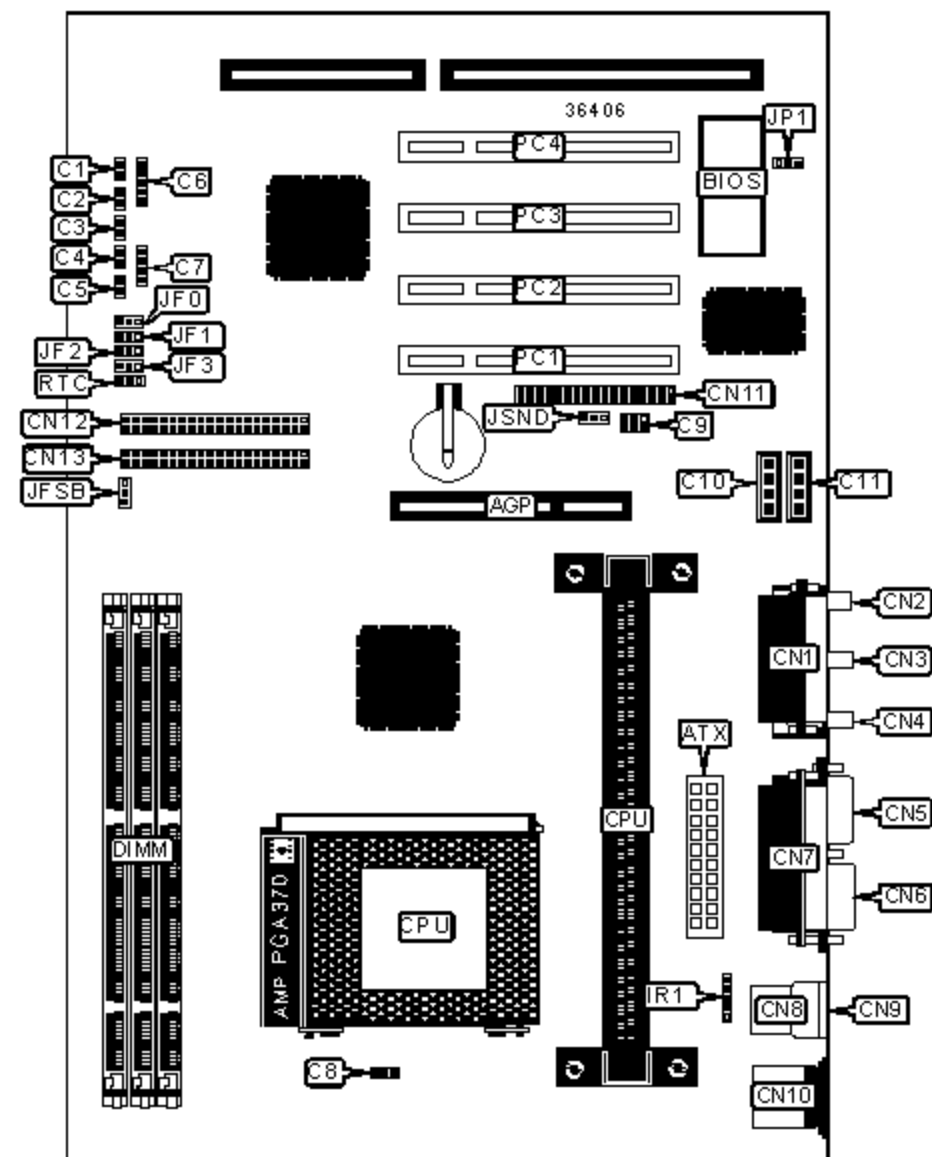


P2/370A-V (SOUND)

Device Type	Mainboard
Processor	Pentium II/Celeron/Pentium III
Processor Speed	200/233/266/300/333/350/366/400/450/500/533/550/600/650/700/750/800MHz
Chip Set	VIA VT
Maximum Onboard Memory	768MB (EDO & SDRAM supported)
Audio Chip Set	ESS
Cache	0/128/256/512KB (located on the CPU)
BIOS	Award
Dimensions	305mm x 170mm
I/O Options	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
AGP slot	AGP	Line in	CN3

ATX power connector	ATX	Line out	CN4
Green PC LED	C1	Serial port 2	CN5
Reset switch	C2	Serial port 1	CN6
IDE interface LED	C3	Parallel port	CN7
Soft off power supply	C4	USB connector 1	CN8
Green PC connector	C5	USB connector 2	CN9
Power LED & keylock	C6	PS/2 mouse port	CN10
Speaker	C7	Floppy drive interface	CN11
Power fan power	C8	IDE interface 2	CN12
SB-link connector	C9	IDE interface 1	CN13
Audio in - CD-ROM	C10	IR connector	IR1
Audio in - CD-ROM	C11	Wake on LAN connector	JP1
Game/MIDI port	CN1	32-bit PCI slots	PC1 - PC4
Microphone in	CN2		

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
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

DIMM CONFIGURATION (CON'T)

Size	Bank 0	Bank 1	Bank 2
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	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
300MHz	100MHz	3x	1 & 2	2 & 3	1 & 2	1 & 2
333MHz	66MHz	5x	2 & 3	2 & 3	1 & 2	1 & 2
350MHz	100MHz	3.5x	1 & 2	2 & 3	2 & 3	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
400MHz	100MHz	4x	2 & 3	1 & 2	1 & 2	1 & 2
433MHz	66MHz	6.5x	1 & 2	1 & 2	2 & 3	2 & 3
450MHz	100MHz	4.5x	2 & 3	1 & 2	2 & 3	1 & 2
466MHz	66MHz	7x	1 & 2	2 & 3	1 & 2	2 & 3
500MHz	66MHz	7.5x	1 & 2	2 & 3	2 & 3	2 & 3

500MHz	100MHz	5x	2 & 3	2 & 3	1 & 2	1 & 2
533MHz	66MHz	8x	2 & 3	1 & 2	1 & 2	2 & 3
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