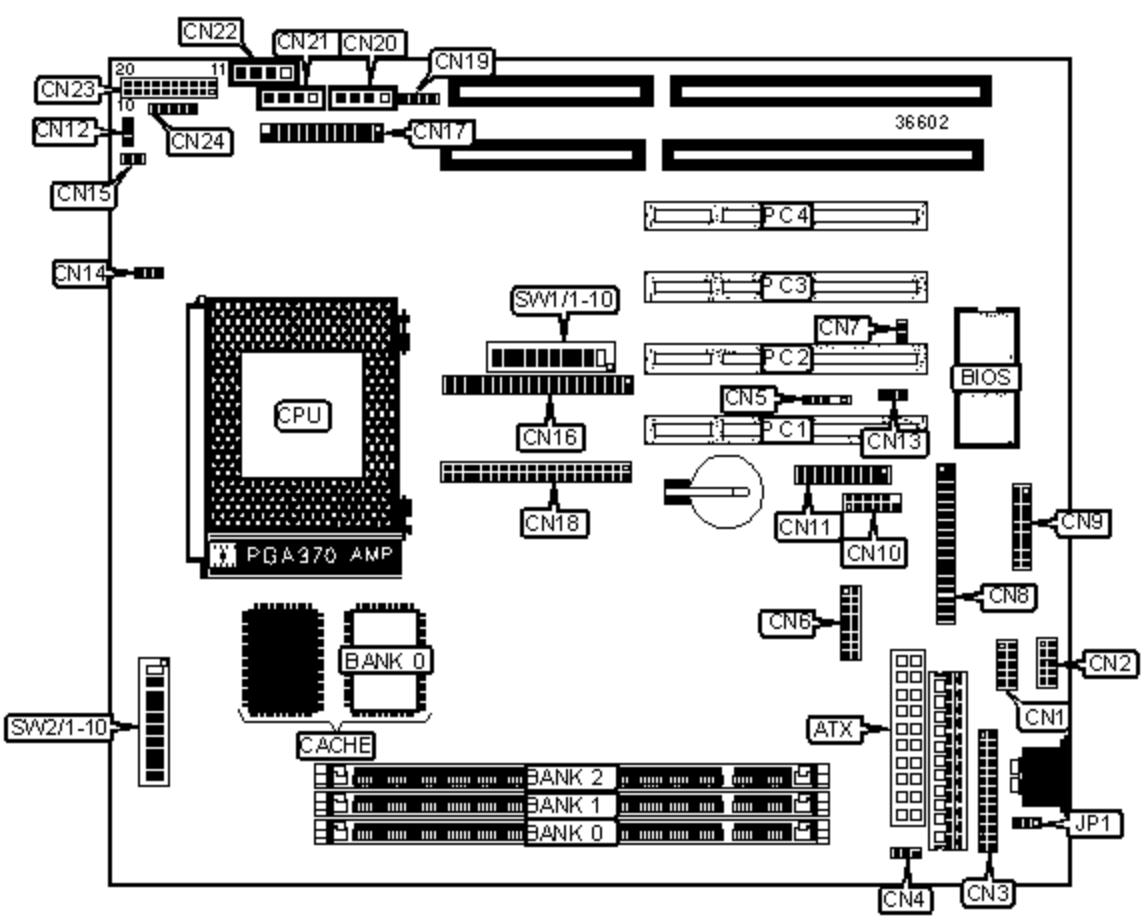


ASUS COMPUTER INTERNATIONAL

P5S-B (REV. 1.01)

Device Type	Mainboard
Processor	CX 6X86/IBM 6X86/CX 6X86L/IBM 6X86L/CX 686MX/IBM 6X86MX/CX M2/AM K5/AM K6/AM K6-2/AM K6-3/Pentium/Pentium MMX
Processor Speed	100/133/166/200/225/233/266/270/300/333/350/366/380/400/450MHz
Chip Set	SIS 530
Video Chip Set	SIS
Audio Chip Set	ESS
Maximum Onboard Memory	768MB (SDRAM supported)
Maximum Video Memory	8MB
Maximum Audio Memory	Unidentified
Cache	512/1024KB
BIOS	Award
Dimensions	244mm x 220mm
I/O Options	32-bit PCI slots (4), floppy drive interface, green PC connector, IDE interfaces (2), parallel interface, PS/2 mouse interface, serial interfaces (2), VGA interface, IR connector, USB connectors (2), ATX power connector, audio in - CD-ROMs (2), audio in - modem, audio in AUX, LCD interface, Wake-on-LAN connector, Wake-on-ring connector, SMBus connector, TV out connector



CONNECTIONS

Purpose	Location	Purpose	Location
ATX power connector	ATX	IDE interface 1	CN16

Serial interface 2	CN1	Audio connector	CN17
Serial interface 2	CN2	IDE interface 2	CN18
Parallel interface	CN3	Audio in - modem	CN19
Power fan	CN4	Audio in - AUX	CN20
SMBus connector	CN5	Audio in - CD-ROM 1	CN21
VGA interface	CN6	Audio in - CD-ROM 2	CN22
Wake-on-ring	CN7	Power LED & keylock	CN23/Pins 1-5
Floppy drive interface	CN8	Speaker	CN23/Pins 7-10
USB/IR/Mouse interface	CN9	Message LED	CN23/Pins 12 & 13
TV out connector	CN10	Green PC connector	CN23/Pins 14 & 15
LCD connector	CN11	Soft off power supply	CN23/Pins 16 & 17
Chassis fan power	CN12	Reset switch	CN23/Pins 19 & 20
Wake-on-LAN connector	CN13	IR connector	CN24
CPU fan power	CN14	32-bit PCI slots	PC1-PC4
IDE interface LED	CN15		

USER CONFIGURABLE SETTINGS

Function		Label	Position
»	Keyboard power on disabled	JP1	Pins 1 & 2 Closed
	Keyboard power on enabled	JP1	Pins 2 & 3 Closed
	VGA shares system memory	SW1/1	On
	VGA uses local memory	SW1/1	Off
»	On-board VGA enabled	SW1/2	Off
	On-board VGA disabled	SW1/2	On
»	On-board audio enabled	SW1/3	On
	On-board audio disabled	SW1/3	Off

	Clock frequency synchronous	SW2/5	On
	Clock frequency asynchronous	SW2/5	Off
	TV out composite	SW2/9	On
	TV out component	SW2/9	Off
»	LCD disabled	SW2/10	Off
	LCD enabled	SW2/10	On

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) 16M x 64	None
256MB	(1) 32M x 64	None	None
256MB	(1) 16M x 64	(1) 8M x 64	(1) 8M x 64
272MB	(1) 32M x 64	(1) 1M x 64	(1) 1M x 64
288MB	(1) 32M x 64	(1) 2M x 64	(1) 2M x 64
320MB	(1) 32M x 64	(1) 4M x 64	(1) 4M x 64
384MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64
384MB	(1) 32M x 64	(1) 8M x 64	(1) 8M x 64
512MB	(1) 32M x 64	(1) 32M x 64	None
512MB	(1) 32M x 64	(1) 16M x 64	(1) 16M x 64
768MB	(1) 32M x 64	(1) 32M x 64	(1) 32M x 64

Note: Board supports SDRAM memory.

CACHE CONFIGURATION

Size	Bank 0
512KB	(2) 64K x 32
1024KB	(2) 128K x 32

CPU SPEED SELECTION (CX 6X86)

CPU speed	Clock speed	Multiplier	SW2/1	SW2/2	SW2/3	SW2/4
133MHz	66MHz	2x	On	On	On	On

CPU SPEED SELECTION (CX 6X86 CONT)

CPU speed	Clock speed	Multiplier	SW2/6	SW2/7	SW2/8

133MHz

66MHz

2x

On

Off

Off

CPU SPEED SELECTION (CX 6X86L)

CPU speed	Clock speed	Multiplier	SW2/1	SW2/2	SW2/3	SW2/4
133MHz	66MHz	2x	On	On	On	On

CPU SPEED SELECTION (CX 6X86L CONT)

CPU speed	Clock speed	Multiplier	SW2/6	SW2/7	SW2/8
133MHz	66MHz	2x	On	Off	Off

CPU SPEED SELECTION (CX 6X86MX)

CPU speed	Clock speed	Multiplier	SW2/1	SW2/2	SW2/3	SW2/4
166MHz	66MHz	2.5x	On	On	On	On
200MHz	66MHz	3x	On	On	On	On

CPU SPEED SELECTION (CX 6X86MX CONT)

CPU speed	Clock speed	Multiplier	SW2/6	SW2/7	SW2/8
166MHz	66MHz	2.5x	On	On	Off
200MHz	66MHz	3x	Off	On	Off

CPU SPEED SELECTION (CX M2)

CPU speed	Clock speed	Multiplier	SW2/1	SW2/2	SW2/3	SW2/4
225MHz	75MHz	3x	Off	On	On	On
233MHz	66MHz	3.5x	On	On	On	On
270MHz	90MHz	3x	On	Off	On	On

CPU SPEED SELECTION (CX M2 CONT)

CPU speed	Clock speed	Multiplier	SW2/6	SW2/7	SW2/8
225MHz	75MHz	3x	Off	On	Off
233MHz	66MHz	3.5x	Off	Off	Off
270MHz	90MHz	3x	Off	On	Off

CPU SPEED SELECTION (IBM 6X86)

CPU speed	Clock speed	Multiplier	SW2/1	SW2/2	SW2/3	SW2/4
133MHz	66MHz	2x	On	On	On	On

CPU SPEED SELECTION (IBM 6X86 CONT)

CPU speed	Clock speed	Multiplier	SW2/6	SW2/7	SW2/8
133MHz	66MHz	2x	On	Off	Off

CPU SPEED SELECTION (IBM 6X86L)

CPU speed	Clock speed	Multiplier	SW2/1	SW2/2	SW2/3	SW2/4
133MHz	66MHz	2x	On	On	On	On

CPU SPEED SELECTION (IBM 6X86L CONT)

CPU speed	Clock speed	Multiplier	SW2/6	SW2/7	SW2/8
133MHz	66MHz	2x	On	Off	Off

CPU SPEED SELECTION (IBM 6X86MX)

CPU speed	Clock speed	Multiplier	SW2/1	SW2/2	SW2/3	SW2/4
166MHz	66MHz	2.5x	On	On	On	On
200MHz	66MHz	3x	On	On	On	On

CPU SPEED SELECTION (IBM 6X86MX CONT)

CPU speed	Clock speed	Multiplier	SW2/6	SW2/7	SW2/8
166MHz	66MHz	2.5x	On	On	Off
200MHz	66MHz	3x	Off	On	Off

CPU SPEED SELECTION (AMD K5)

CPU speed	Clock speed	Multiplier	SW2/1	SW2/2	SW2/3	SW2/4
100MHz	66MHz	1.5x	On	On	On	On
	66MHz	1.5x	On	On	On	On

CPU SPEED SELECTION (AMD K5 CONT)

CPU speed	Clock speed	Multiplier	SW2/6	SW2/7	SW2/8
100MHz	66MHz	1.5x	Off	Off	Off
133MHz	66MHz	1.5x	Off	Off	Off

CPU SPEED SELECTION (AMD K6)

CPU speed	Clock speed	Multiplier	SW2/1	SW2/2	SW2/3	SW2/4
166MHz	66MHz	2.5x	On	On	On	On
200MHz	66MHz	3x	On	On	On	On
233MHz	66MHz	3.5x	On	On	On	On
266MHz	66MHz	4x	On	On	On	On
300MHz	66MHz	4.5x	On	On	On	On

CPU SPEED SELECTION (AMD K6 CONT)

CPU speed	Clock speed	Multiplier	SW2/6	SW2/7	SW2/8

166MHz	66MHz	2.5x	On	On	Off
200MHz	66MHz	3x	Off	On	Off
233MHz	66MHz	3.5x	Off	Off	Off
266MHz	66MHz	4x	On	Off	On
300MHz	66MHz	4.5x	On	On	On

CPU SPEED SELECTION (AMD K6-2)						
CPU speed	Clock speed	Multiplier	SW2/1	SW2/2	SW2/3	SW2/4
266MHz	66MHz	4x	On	On	On	On
300MHz	100MHz	3x	On	On	Off	On
333MHz	95MHz	3.5x	Off	Off	On	On
350MHz	100MHz	3.5x	On	On	Off	On
366MHz	66MHz	5.5x	On	On	On	On
380MHz	95MHz	4x	Off	Off	On	On
400MHz	100MHz	4x	On	On	Off	On
450MHz	100MHz	4.5x	On	On	Off	On

CPU SPEED SELECTION (AMD K6-2 CONT)					
CPU speed	Clock speed	Multiplier	SW2/6	SW2/7	SW2/8
266MHz	66MHz	4x	On	Off	On
300MHz	100MHz	3x	Off	On	Off
333MHz	95MHz	3.5x	Off	Off	Off
350MHz	100MHz	3.5x	Off	Off	Off
366MHz	66MHz	5.5x	Off	Off	On
380MHz	95MHz	4x	On	Off	On
400MHz	100MHz	4x	On	Off	On
450MHz	100MHz	4.5x	On	On	On

CPU SPEED SELECTION (AMD K6-3)

CPU speed	Clock speed	Multiplier	SW2/1	SW2/2	SW2/3	SW2/4
400MHz	100MHz	4x	On	On	Off	On

CPU SPEED SELECTION (AMD K6-3 CONT)

CPU speed	Clock speed	Multiplier	SW2/6	SW2/7	SW2/8
400MHz	100MHz	4x	On	Off	On

CPU SPEED SELECTION (PENTIUM)

CPU speed	Clock speed	Multiplier	SW2/1	SW2/2	SW2/3	SW2/4
100MHz	66MHz	1.5x	On	On	On	On
133MHz	66MHz	2x	On	On	On	On
166MHz	66MHz	2.5x	On	On	On	On

CPU SPEED SELECTION (PENTIUM CONT)

CPU speed	Clock speed	Multiplier	SW2/6	SW2/7	SW2/8
100MHz	66MHz	1.5x	Off	Off	Off
133MHz	66MHz	2x	On	Off	Off
166MHz	66MHz	2.5x	On	On	Off

CPU SPEED SELECTION (PENTIUM MMX)

CPU speed	Clock speed	Multiplier	SW2/1	SW2/2	SW2/3	SW2/4
166MHz	66MHz	2.5x	On	On	On	On
200MHz	66MHz	3x	On	On	On	On
233MHz	66MHz	3.5x	On	On	On	On

CPU SPEED SELECTION (PENTIUM MMX CONT)

CPU speed	Clock speed	Multiplier	SW2/6	SW2/7	SW2/8
166MHz	66MHz	2.5x	On	On	Off
200MHz	66MHz	3x	Off	On	Off
233MHz	66MHz	3.5x	Off	Off	Off

I/O VOLTAGE SELECTION

Voltage		SW1/4	SW1/5
»	3.5V	Off	Off
	3.6V	On	Off
	3.8	On	On

CPU VOLTAGE SELECTION (SINGLE)

Voltage	SW1/6	SW1/7	SW1/8	SW1/9	SW1/10
3.4V	Off	On	On	On	Off
3.5V	Off	On	On	On	On

CPU VOLTAGE SELECTION (DUAL)

Voltage	SW1/6	SW1/7	SW1/8	SW1/9	SW1/10
2.2V	Off	Off	Off	On	Off
2.4V	Off	Off	On	Off	Off
2.8V	Off	On	Off	Off	Off
2.9V	Off	On	Off	Off	On
3.2V	Off	On	On	Off	Off