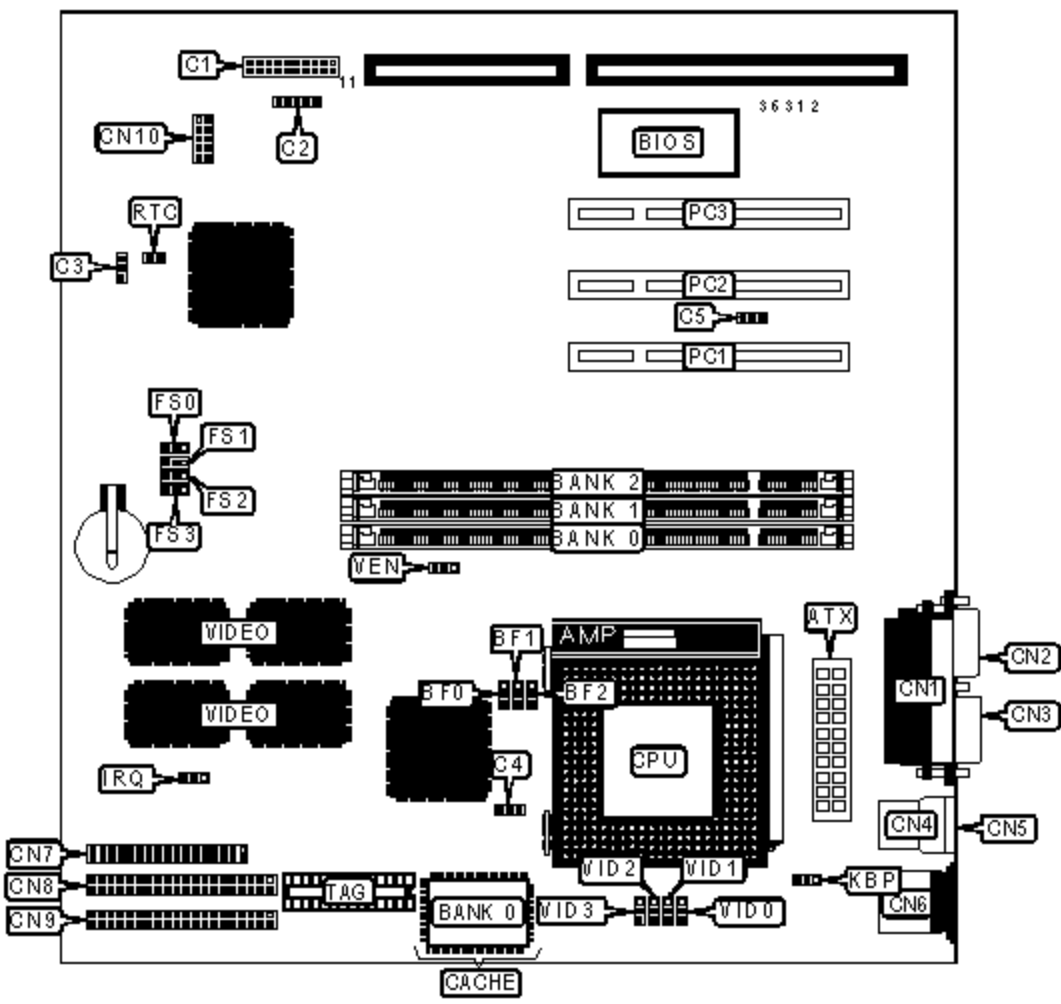


ASUS COMPUTER INTERNATIONAL

P5S-VM (REV. 1.02)

Device Type	Mainboard
Processor	CX 6X86/IBM 6X86/CX 6X86L/IBM 6X86L/CX 686MX/IBM 6X86MX/
Processor Speed	CX MII/IBM MII/AM K5/AM K6/AM K6-2/Pentium/Pentium MMX
Chip Set	100/133/166/200/233/266/300/333/350/366/380/400/450MHz
Video Chip Set	SIS
Maximum Onboard Memory	768MB (SDRAM & PC100 supported)
Maximum Video Memory	8MB
Cache	512/1024KB
BIOS	Unidentified
Dimensions	305mm x 244mm
I/O Options	32-bit PCI slots (3), floppy drive interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse port, serial ports (2), VGA port, IR connector, USB connectors (2), ATX power connector, wake on LAN connector



CONNECTIONS			
Purpose	Location	Purpose	Location
ATX power connector	ATX	Parallel port	CN1
Turbo LED	C1/pins 2 & 3	VGA port	CN2
Green PC connector	C1/pins 4 & 5	Serial port 1	CN3

Soft off power supply	C1/pins 6 & 7	USB connector 1	CN4
Reset switch	C1/pins 9 & 10	USB connector 2	CN5
Power LED & keylock	C1/pins 11 - 15	PS/2 mouse port	CN6
Speaker	C1/pins 17 - 20	Floppy drive interface	CN7
IR connector	C2	IDE interface 2	CN8
Chassis fan power	C3	IDE interface 1	CN9
CPU fan power	C4	Serial port 2	CN10
Wake on LAN connector	C5	32-bit PCI slots	PC1 - PC3

USER CONFIGURABLE SETTINGS

Function		Label	Position
»	On board audio enabled	AUD	Pins 2 & 3 closed
	On board audio disabled	AUD	Pins 1 & 2 closed
»	VGA IRQ enabled	IRQ	Pins 2 & 3 closed
	VGA IRQ disabled	IRQ	Pins 1 & 2 closed
»	Line out select with amplifier	LINE	Pins 3 & 5, 4 & 6 closed
	Line out select without amplifier	LINE	Pins 1 & 3, 2 & 4 closed
»	Keyboard power on disabled	KBP	Pins 1 & 2 closed
	Keyboard power on enabled	KBP	Pins 2 & 3 closed
»	CMOS memory normal operation	RTC	Open
	CMOS memory clear	RTC	Closed
»	On board video enabled	VEN	Pins 2 & 3 closed
	On board video disabled	VEN	Pins 1 & 2 closed

DIMM CONFIGURATION

Size	Bank 0	Bank 1	Bank 2
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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
48MB	(1) 4M x 64	(1) 2M x 64	None
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

DIMM CONFIGURATION

Size	Bank 0	Bank 1	Bank 2
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
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
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 SDRAM & PC100 memory.

CACHE CONFIGURATION

Size	Bank 0	TAG
512KB	(1) 64K x 64	Unidentified

1MB

(1) 128K x 64

Unidentified

VIDEO MEMORY CONFIGURATION

Note: Video memory is factory installed and is not configurable.

CPU SPEED SELECTION (CX 6X86)

CPU speed	Clock speed	Multiplier	BF0	BF1	BF2
166MHz	66MHz	2x	2 & 3	1 & 2	Open

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (CX 6X86, CON'T)

CPU speed	Clock speed	Multiplier	FS0	FS1	FS2	FS3
166MHz	66MHz	2x	1 & 2	2 & 3	2 & 3	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (IBM 6X86)

CPU speed	Clock speed	Multiplier	BF0	BF1	BF2
166MHz	66MHz	2x	2 & 3	1 & 2	Open

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (IBM 6X86, CON'T)

CPU speed	Clock speed	Multiplier	FS0	FS1	FS2	FS3
166MHz	66MHz	2x	1 & 2	2 & 3	2 & 3	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (CX 6X86L)

CPU speed	Clock speed	Multiplier	BF0	BF1	BF2
166MHz	66MHz	2x	2 & 3	1 & 2	Open

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (CX 6X86L, CON'T)						
CPU speed	Clock speed	Multiplier	FS0	FS1	FS2	FS3
166MHz	66MHz	2x	1 & 2	2 & 3	2 & 3	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (IBM 6X86L)					
CPU speed	Clock speed	Multiplier	BF0	BF1	BF2
166MHz	66MHz	2x	2 & 3	1 & 2	Open

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (IBM 6X86L, CON'T)						
CPU speed	Clock speed	Multiplier	FS0	FS1	FS2	FS3
166MHz	66MHz	2x	1 & 2	2 & 3	2 & 3	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (CX 6X86MX)					
CPU speed	Clock speed	Multiplier	BF0	BF1	BF2
200MHz	66MHz	2.5x	2 & 3	2 & 3	Open
233MHz	66MHz	3x	1 & 2	2 & 3	Open

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (CX 6X86MX, CON'T)						
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CPU speed	Clock speed	Multiplier	FS0	FS1	FS2	FS3
200MHz	66MHz	2.5x	1 & 2	2 & 3	2 & 3	2 & 3
233MHz	66MHz	3x	1 & 2	2 & 3	2 & 3	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (IBM 6X86MX)

CPU speed	Clock speed	Multiplier	BF0	BF1	BF2
200MHz	66MHz	2.5x	2 & 3	2 & 3	Open
233MHz	66MHz	3x	1 & 2	2 & 3	Open

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (IBM 6X86MX, CON'T)

CPU speed	Clock speed	Multiplier	FS0	FS1	FS2	FS3
200MHz	66MHz	2.5x	1 & 2	2 & 3	2 & 3	2 & 3
233MHz	66MHz	3x	1 & 2	2 & 3	2 & 3	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (CX MII)

CPU speed	Clock speed	Multiplier	BF0	BF1	BF2
300MHz	66MHz	3.5x	1 & 2	1 & 2	Open
300MHz	75MHz	3x	1 & 2	2 & 3	Open
333MHz	83MHz	3x	1 & 2	2 & 3	Open

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (CX MII, CON'T)

CPU speed	Clock speed	Multiplier	FS0	FS1	FS2	FS3
300MHz	66MHz	3.5x	1 & 2	2 & 3	2 & 3	2 & 3

300MHz	75MHz	3x	1 & 2	1 & 2	2 & 3	2 & 3
333MHz	83MHz	3x	1 & 2	2 & 3	1 & 2	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (IBM MII)

CPU speed	Clock speed	Multiplier	BF0	BF1	BF2
300MHz	66MHz	3.5x	1 & 2	1 & 2	Open
300MHz	75MHz	3x	1 & 2	2 & 3	Open
333MHz	83MHz	3x	1 & 2	2 & 3	Open

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (IBM MII, CON'T)

CPU speed	Clock speed	Multiplier	FS0	FS1	FS2	FS3
300MHz	66MHz	3.5x	1 & 2	2 & 3	2 & 3	2 & 3
300MHz	75MHz	3x	1 & 2	1 & 2	2 & 3	2 & 3
333MHz	83MHz	3x	1 & 2	2 & 3	1 & 2	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K5)

CPU speed	Clock speed	Multiplier	BF0	BF1	BF2
100MHz	66MHz	1.5x	1 & 2	1 & 2	Open
133MHz	66MHz	1.5x	1 & 2	1 & 2	Open

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K5, CON'T)

CPU speed	Clock speed	Multiplier	FS0	FS1	FS2	FS3
100MHz	66MHz	1.5x	1 & 2	2 & 3	2 & 3	2 & 3

100MHz	66MHz	1.5x	1 & 2	2 & 3	2 & 3	2 & 3
133MHz	66MHz	1.5x	1 & 2	2 & 3	2 & 3	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K6)

CPU speed	Clock speed	Multiplier	BF0	BF1	BF2
166MHz	66MHz	2.5x	2 & 3	2 & 3	Open
200MHz	66MHz	3x	1 & 2	2 & 3	Open
233MHz	66MHz	3.5x	1 & 2	1 & 2	Open
266MHz	66MHz	4x	2 & 3	1 & 2	2 & 3
300MHz	66MHz	4.5x	2 & 3	2 & 3	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K6, CON'T)

CPU speed	Clock speed	Multiplier	FS0	FS1	FS2	FS3
166MHz	66MHz	2.5x	1 & 2	2 & 3	2 & 3	2 & 3
200MHz	66MHz	3x	1 & 2	2 & 3	2 & 3	2 & 3
233MHz	66MHz	3.5x	1 & 2	2 & 3	2 & 3	2 & 3
266MHz	66MHz	4x	1 & 2	2 & 3	2 & 3	2 & 3
300MHz	66MHz	4.5x	1 & 2	2 & 3	2 & 3	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K6-2)

CPU speed	Clock speed	Multiplier	BF0	BF1	BF2
266MHz	66MHz	4x	2 & 3	1 & 2	2 & 3
300MHz	100MHz	3x	1 & 2	2 & 3	Open
333MHz	95MHz	3.5x	1 & 2	1 & 2	Open
350MHz	100MHz	2.5x	1 & 2	1 & 2	Open

350MHz	100MHz	3.5x	1 & 2	1 & 2	Open
366MHz	66MHz	5.5x	1 & 2	1 & 2	2 & 3
380MHz	100MHz	4x	2 & 3	1 & 2	2 & 3
400MHz	100MHz	4x	2 & 3	1 & 2	2 & 3
450MHz	100MHz	4.5x	2 & 3	2 & 3	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K6-2, CON'T)

CPU speed	Clock speed	Multiplier	FS0	FS1	FS2	FS3
266MHz	66MHz	4x	1 & 2	2 & 3	2 & 3	2 & 3
300MHz	100MHz	3x	1 & 2	2 & 3	2 & 3	1 & 2
333MHz	95MHz	3.5x	1 & 2	1 & 2	1 & 2	2 & 3
350MHz	100MHz	3.5x	1 & 2	2 & 3	2 & 3	1 & 2
366MHz	66MHz	5.5x	1 & 2	2 & 3	2 & 3	2 & 3
380MHz	95MHz	4x	1 & 2	1 & 2	1 & 2	2 & 3
400MHz	100MHz	4x	1 & 2	2 & 3	2 & 3	1 & 2
450MHz	100MHz	4.5x	1 & 2	2 & 3	2 & 3	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL)

CPU speed	Clock speed	Multiplier	BF0	BF1	BF2
100MHz	66MHz	1.5x	1 & 2	1 & 2	Open
133MHz	66MHz	2x	2 & 3	1 & 2	Open
166MHz	66MHz	2.5x	2 & 3	2 & 3	Open

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL, CON'T)

CPU speed	Clock speed	Multiplier	FS0	FS1	FS2	FS3
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CPU speed	Clock speed	Multiplier	FS0	FS1	FS2	FS3
100MHz	66MHz	1.5x	1 & 2	2 & 3	2 & 3	2 & 3
133MHz	66MHz	2x	1 & 2	2 & 3	2 & 3	2 & 3
166MHz	66MHz	2.5x	1 & 2	2 & 3	2 & 3	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL MMX)

CPU speed	Clock speed	Multiplier	BF0	BF1	BF2
166MHz	66MHz	2.5x	2 & 3	2 & 3	Open
200MHz	66MHz	3x	1 & 2	2 & 3	Open
233MHz	66MHz	3.5x	1 & 2	1 & 2	Open

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL MMX, CON'T)

CPU speed	Clock speed	Multiplier	FS0	FS1	FS2	FS3
166MHz	66MHz	2.5x	1 & 2	2 & 3	2 & 3	2 & 3
200MHz	66MHz	3x	1 & 2	2 & 3	2 & 3	2 & 3
233MHz	66MHz	3.5x	1 & 2	2 & 3	2 & 3	2 & 3

Note: Pins designated should be in the closed position.

CPU VOLTAGE SELECTION (SINGLE)

Voltage	VID0	VID1	VID2	VID3
3.4v	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
3.5v	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed

CPU VOLTAGE SELECTION (DUAL)

Voltage	VID0	VID1	VID2	VID3
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2.2v	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 2 & 3 closed	Pins 2 & 3 closed
2.3v	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 2 & 3 closed	Pins 2 & 3 closed
2.8v	Pins 2 & 3 closed	Pins 2 & 3 closed	Pins 2 & 3 closed	Pins 1 & 2 closed
2.9v	Pins 1 & 2 closed	Pins 2 & 3 closed	Pins 2 & 3 closed	Pins 1 & 2 closed
3.2v	Pins 2 & 3 closed	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 1 & 2 closed