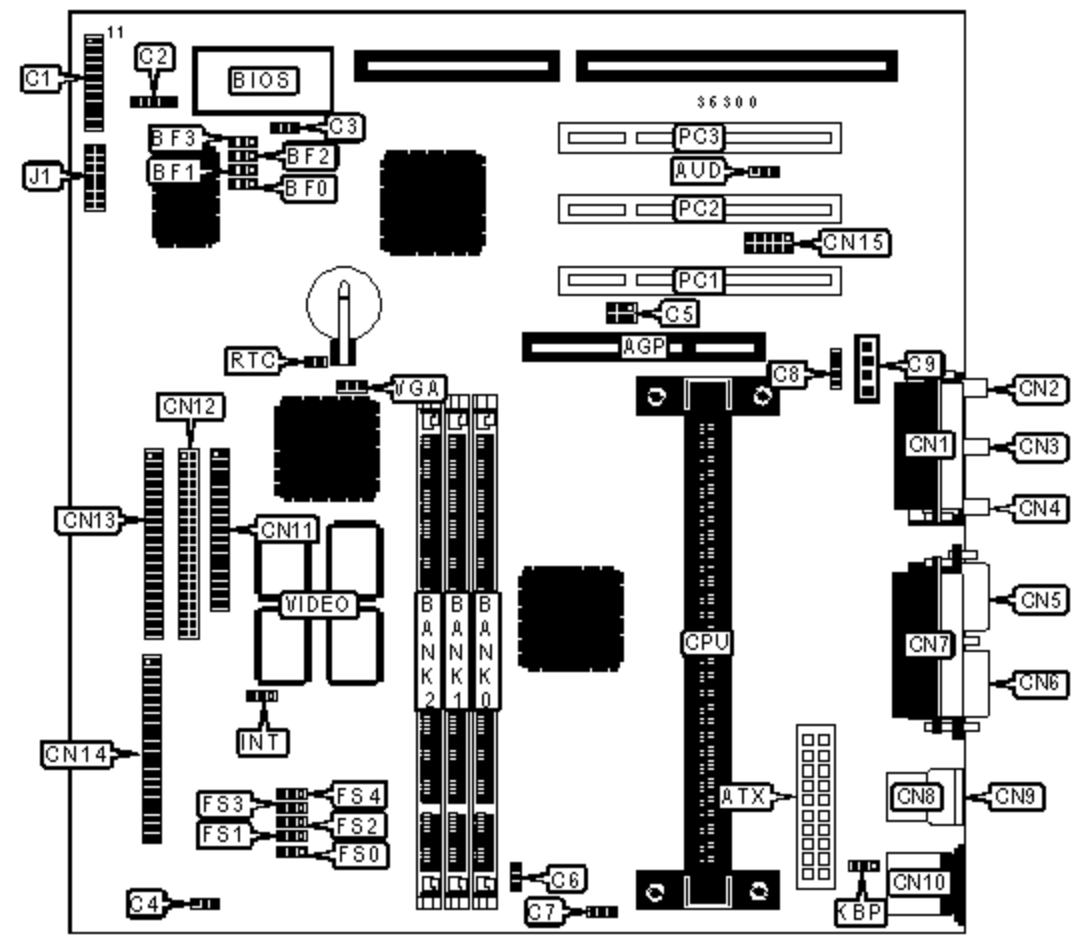


ASUS COMPUTER INTERNATIONAL

P2B-VM (REV. 1.03)

Device Type	Mainboard
Processor	Pentium II/Celeron
Processor Speed	233/266/300/333/350/400/450MHz
Chip Set	Intel 440BX
Video Chip Set	ATI
Maximum Onboard Memory	768MB (SDRAM & PC100 supported)
Maximum Video Memory	8MB
Cache	0/128/512KB (located on the CPU)
BIOS	Unidentified
Dimensions	305mm x 244mm
I/O Options (backplane)	32-bit PCI slots (3), floppy drive interface, game/MIDI port, 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, AGP slot, line in, line out, microphone in, audio in - CD-ROM, SB-link connector, wake on LAN connector



CONNECTIONS

Purpose	Location	Purpose	Location
AGP slot	AGP	Game/MIDI port	CN1
ATX power connector	ATX	Microphone in	CN2
Turbo LED	C1/pins 2 & 3	Line in	CN3
Green PC connector	C1/pins 4 & 5	Line out	CN4

Soft off power supply	C1/pins 6 & 7	VGA port	CN5
Reset switch	C1/pins 9 & 10	Serial port 1	CN6
Power LED & keylock	C1/pins 11 - 15	Parallel port	CN7
Speaker	C1/pins 17 - 20	USB connector 1	CN8
IR connector	C2	USB connector 2	CN9
Wake on LAN connector	C3	PS/2 mouse port	CN10
Chassis fan power	C4	Floppy drive interface	CN11
SB-link connector	C5	IDE interface 2	CN12
CPU fan power	C6	IDE interface 1	CN13
Power fan power	C7	AMC connector	CN14
Modem connector	C8	Serial port 2	CN15
Audio in - CD-ROM	C9	32-bit PCI slots	PC1 - PC3

USER CONFIGURABLE SETTINGS

Function		Label	Position
»	On board audio enabled	AUD	Pins 1 & 2 closed
	On board audio disabled	AUD	Pins 2 & 3 closed
»	VGA IRQ disabled	INT	Pins 1 & 2 closed
	VGA IRQ enabled	INT	Pins 2 & 3 closed
»	Keyboard power up disabled	KBP	Pins 1 & 2 closed
	Keyboard power up enabled	KBP	Pins 2 & 3 closed
»	CMOS memory normal operation	RTC	Open
	CMOS memory clear	RTC	Closed
»	On board video enabled	VGA	Pins 1 & 2 closed
	On board video disabled	VGA	Pins 2 & 3 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

DIMM CONFIGURATION (CON'T)

Size	Bank 0	Bank 1	Bank 2
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
80MB	(1) 8M x 64	(1) 2M x 64	None
80MB	(1) 4M x 64	(1) 4M x 64	(1) 2M 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
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
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) 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

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

VIDEO MEMORY CONFIGURATION

Note: The video memory is factory installed and is not configurable.

CPU SPEED SELECTION

CPU speed	Clock speed	Multiplier	BF0	BF1	BF2	BF3
233MHz	66MHz	3.5x	1 & 2	1 & 2	2 & 3	2 & 3
266MHz	66MHz	4x	2 & 3	2 & 3	1 & 2	2 & 3
300MHz	66MHz	4.5x	1 & 2	2 & 3	1 & 2	2 & 3
333MHz	66MHz	5x	2 & 3	1 & 2	1 & 2	2 & 3
350MHz	100MHz	3.5x	1 & 2	1 & 2	2 & 3	2 & 3
400MHz	100MHz	4x	2 & 3	2 & 3	1 & 2	2 & 3
450MHz	100MHz	4.5x	1 & 2	2 & 3	1 & 2	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (CON'T)

CPU speed	Clock speed	Multiplier	FS0	FS1	FS2	FS3	FS4
233MHz	66MHz	3.5x	1 & 2	1 & 2	2 & 3	2 & 3	2 & 3
266MHz	66MHz	4x	1 & 2	1 & 2	2 & 3	2 & 3	2 & 3
300MHz	66MHz	4.5x	1 & 2	1 & 2	2 & 3	2 & 3	2 & 3
333MHz	66MHz	5x	1 & 2	1 & 2	2 & 3	2 & 3	2 & 3
350MHz	100MHz	3.5x	1 & 2	1 & 2	1 & 2	2 & 3	1 & 2
400MHz	100MHz	4x	1 & 2	1 & 2	1 & 2	2 & 3	1 & 2
450MHz	100MHz	4.5x	1 & 2	1 & 2	1 & 2	2 & 3	1 & 2

Note: Pins designated should be in the closed position.