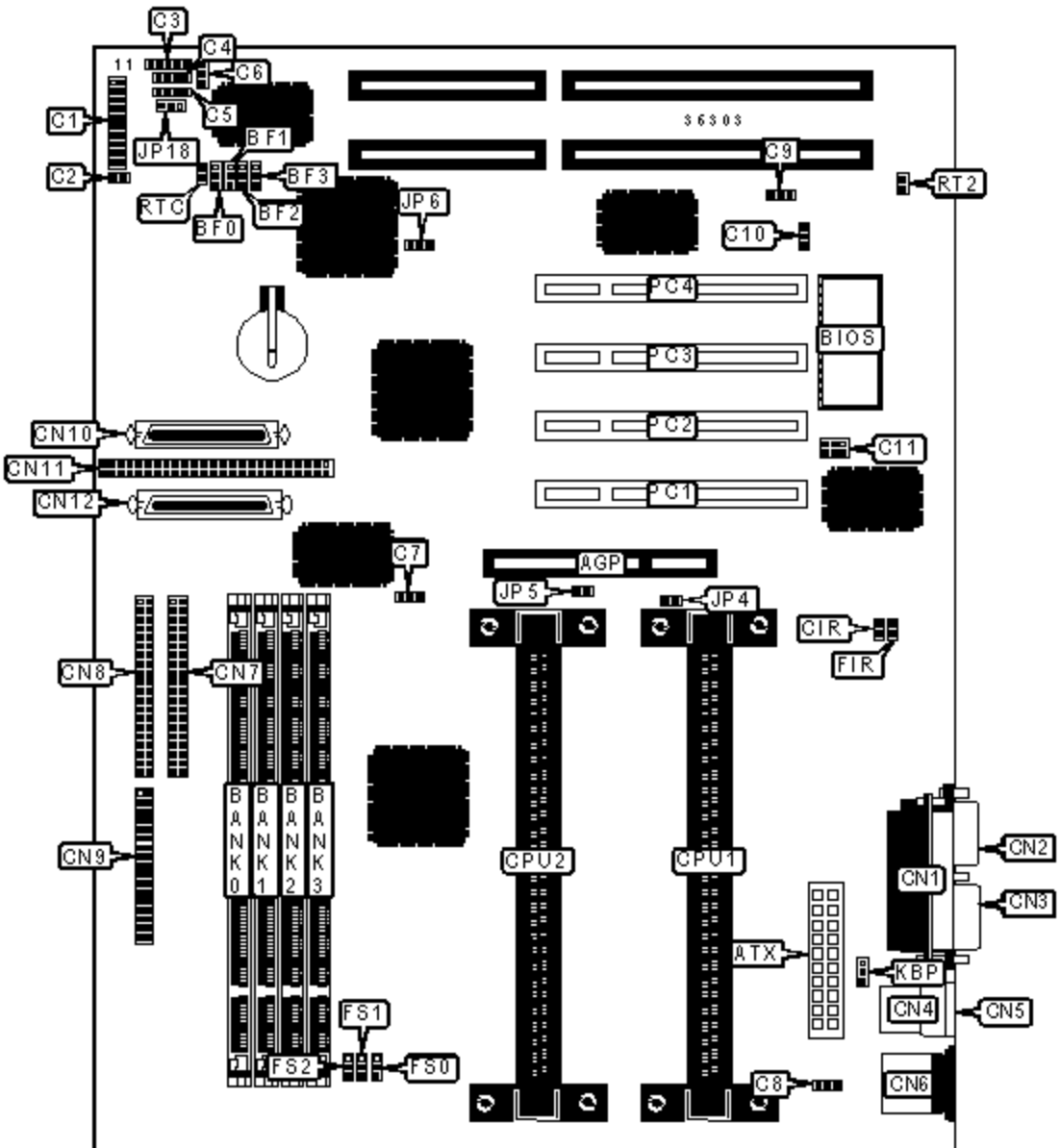


# ASUS COMPUTER INTERNATIONAL

## P2B-DS (VER. 1.03)

<b>Device Type</b>	Mainboard
<b>Processor</b>	Pentium II
<b>Processor Speed</b>	233/266/300/333/350/400/450MHz
<b>Chip Set</b>	Intel 440BX
<b>Maximum Onboard Memory</b>	1GB (SDRAM & PC100 supported)
<b>Cache</b>	256/512KB (located on Pentium II CPU)
<b>BIOS</b>	Unidentified
<b>Dimensions</b>	305mm x 244mm
<b>I/O Options</b>	32-bit PCI slots (4), floppy drive interface, green PC connector, IDE interfaces (2), SCSI interface, SCSI-2 interface, Wide SCSI interface, parallel port, PS/2 mouse port, serial ports (2), IR connector, USB connectors (2), ATX power connector, AGP slot, SB-link connector, wake on LAN connector



CONNECTIONS			
Purpose	Location	Purpose	Location
AGP slot	AGP	SB-link connector	C11

ATX power connector	ATX	Parallel port	CN1
Turbo LED	C1/pins 2 & 3	Serial port 2	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	IDE interface 1	CN7
IDE interface LED	C2	IDE interface 2	CN8
IR connector	C3	Floppy drive interface	CN9
External battery	C4	SCSI-2 interface	CN10
Chassis intrusion connector	C5	SCSI interface	CN11
Chassis fan power	C6	Wide SCSI interface	CN12
Power fan power	C7	Thermal sensor 1	JP4
CPU fan power	C8	Thermal sensor 2	JP5
SMB connector	C9	32-bit PCI slots	PC1 - PC4
Wake on LAN connector	C10		

### USER CONFIGURABLE SETTINGS

Function		Label	Position
»	Factory configured - do not alter	CIR	Unidentified
»	Factory configured - do not alter	FIR	Unidentified
»	Factory configured - do not alter	JP6	Unidentified
	Chassis intrusion disabled	JP18	Pins 2 & 3 closed
	Chassis intrusion enabled	JP18	Pins 1 & 2 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

»	Factory configured - do not alter	RT2	Unidentified
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<b>DIMM CONFIGURATION</b>				
<b>Size</b>	<b>Bank 0</b>	<b>Bank 1</b>	<b>Bank 2</b>	<b>Bank 3</b>
8MB	(1) 1M x 64	None	None	None
16MB	(1) 2M x 64	None	None	None
16MB	(1) 1M x 64	(1) 1M x 64	None	None
24MB	(1) 2M x 64	(1) 1M x 64	None	None
24MB	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64	None
32MB	(1) 4M x 64	None	None	None
32MB	(1) 2M x 64	(1) 2M x 64	None	None
32MB	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64
40MB	(1) 4M x 64	(1) 1M x 64	None	None

<b>DIMM CONFIGURATION (CON'T)</b>				
<b>Size</b>	<b>Bank 0</b>	<b>Bank 1</b>	<b>Bank 2</b>	<b>Bank 3</b>
48MB	(1) 4M x 64	(1) 2M x 64	None	None
48MB	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64	None
64MB	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64
64MB	(1) 8M x 64	None	None	None
64MB	(1) 4M x 64	(1) 4M x 64	None	None
72MB	(1) 8M x 64	(1) 1M x 64	None	None
80MB	(1) 8M x 64	(1) 2M x 64	None	None
96MB	(1) 8M x 64	(1) 4M x 64	None	None
96MB	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64	None
128MB	(1) 16M x 64	None	None	None
128MB	(1) 8M x 64	(1) 8M x 64	None	None

128MB	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64
136MB	(1) 16M x 64	(1) 1M x 64	None	None
144MB	(1) 16M x 64	(1) 2M x 64	None	None
176MB	(1) 16M x 64	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64
192MB	(1) 16M x 64	(1) 8M x 64	None	None
192MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64	None
256MB	(1) 32M x 64	None	None	None
256MB	(1) 16M x 64	(1) 16M x 64	None	None
256MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64
272MB	(1) 16M x 64	(1) 16M x 64	(1) 1M x 64	(1) 1M x 64
280MB	(1) 32M x 64	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64
288MB	(1) 16M x 64	(1) 16M x 64	(1) 2M x 64	(1) 2M x 64
320MB	(1) 16M x 64	(1) 16M x 64	(1) 4M x 64	(1) 4M x 64
384MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64	None
448MB	(1) 32M x 64	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64
512MB	(1) 32M x 64	(1) 32M x 64	None	None
512MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64
640MB	(1) 32M x 64	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64
768MB	(1) 32M x 64	(1) 32M x 64	(1) 32M x 64	None
1024MB	(1) 32M x 64	(1) 32M x 64	(1) 32M x 64	(1) 32M x 64

Note: Board accepts SDRAM & PC100 memory.

### CACHE CONFIGURATION

Note: 256KB/512KB cache is located on the Pentium II CPU.

### CPU SPEED SELECTION

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

Note: Pins designated should be in the closed position.

**CPU SPEED SELECTION (CON'T)**

<b>CPU speed</b>	<b>Clock speed</b>	<b>Multiplier</b>	<b>BF0</b>	<b>BF1</b>	<b>BF2</b>	<b>BF3</b>
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.