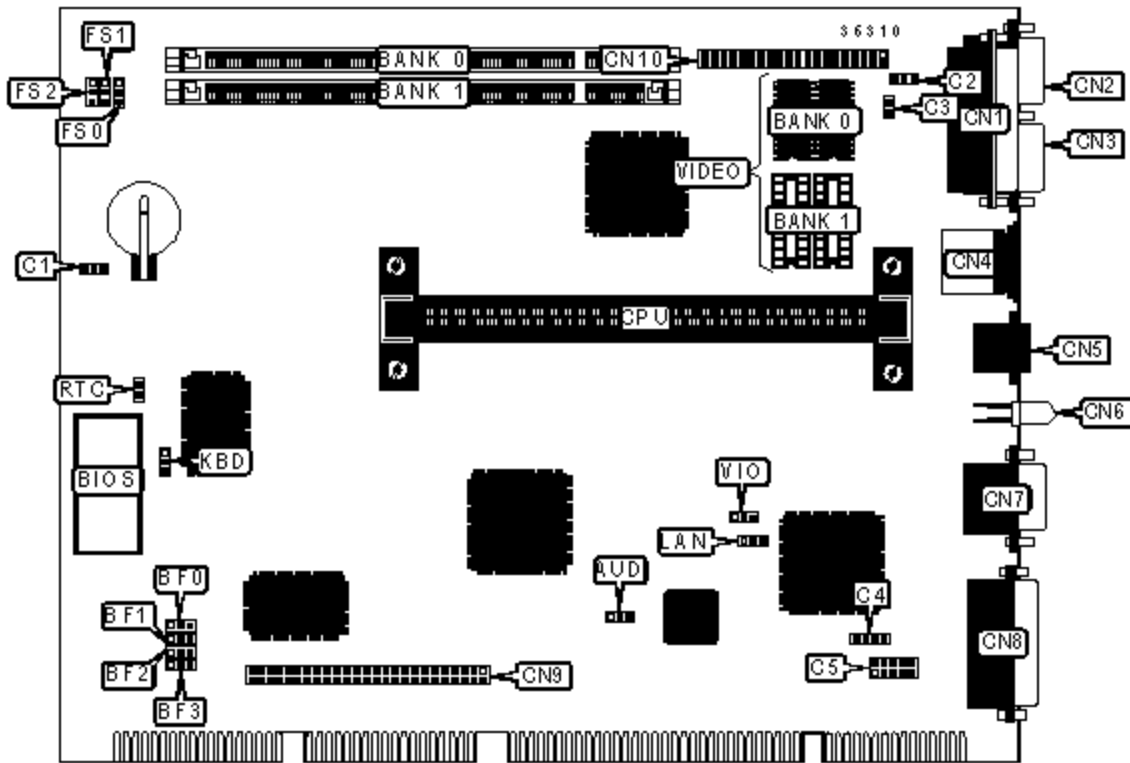


ASUS COMPUTER INTERNATIONAL

P2B-N (REV. 1.03)

Device Type	Mainboard
Processor	Pentium II/Celeron
Processor Speed	233/266/300/333/350/366/400/450MHz
Chip Set	Intel 440LX/EX
Video Chip Set	ATI
Maximum Onboard Memory	512MB (EDO, SDRAM & PC100 supported)
Maximum Video Memory	8MB
Audio Chip Set	ESS
Cache	0/128/256/512KB (located on the CPU)
BIOS	Unidentified
Dimensions	305mm x 244mm
I/O Options (backplane)	CD-ROM interface, Ethernet 10BaseT connector, game/MIDI port, PS/2 mouse port, serial ports (2), VGA port, riser slot
I/O Options (riser card)	32-bit PCI slots (2), USB connectors (2), ATX power connector, microphone in, IR connector, wake on LAN connector



CONNECTIONS

Purpose	Location	Purpose	Location
Chassis fan power	C1	PS/2 mouse port	CN4
CPU fan power	C2	Ethernet 10BaseT connector	CN5
CPU thermal sensor	C3	LAN LED	CN6
Modem connector	C4	VGA port	CN7

Jack connector	C5	Game/MIDI port	CN8
Parallel port	CN1	CD-ROM connector	CN9
Serial port 1	CN2	AMC connector	CN10
Serial port 2	CN3		

USER CONFIGURABLE SETTINGS

Function		Label	Position
»	On board audio enabled	AUD	Pins 2 & 3 closed
	On board audio disabled	AUD	Pins 1 & 2 closed
»	Keyboard power on disabled	KBD	Pins 1 & 2 closed
	Keyboard power on enabled	KBD	Pins 2 & 3 closed
»	On board LAN enabled	LAN	Pins 2 & 3 closed
	On board LAN disabled	LAN	Pins 1 & 2 closed
»	CMOS memory normal operation	RTC	Open
	CMOS memory clear	RTC	Closed
»	Voltage select normal	VIO	Pins 2 & 3 closed
	Voltage select high	VIO	Pins 1 & 2 closed

DIMM CONFIGURATION

Size	Bank 0	Bank 1
8MB	(1) 1M x 64	None
16MB	(1) 2M x 64	None
16MB	(1) 1M x 64	(1) 1M x 64
24MB	(1) 2M x 64	(1) 1M x 64
32MB	(1) 4M x 64	None
32MB	(1) 2M x 64	(1) 2M x 64
40MB	(1) 4M x 64	(1) 1M x 64

48MB	(1) 4M x 64	(1) 2M x 64
64MB	(1) 8M x 64	None
64MB	(1) 4M x 64	(1) 4M x 64
72MB	(1) 8M x 64	(1) 1M x 64
80MB	(1) 8M x 64	(1) 2M x 64
96MB	(1) 8M x 64	(1) 4M x 64
128MB	(1) 8M x 64	(1) 8M x 64
128MB	(1) 16M x 64	None
136MB	(1) 16M x 64	(1) 1M x 64
144MB	(1) 16M x 64	(1) 2M x 64
160MB	(1) 16M x 64	(1) 4M x 64

DIMM CONFIGURATION (CON'T)

Size	Bank 0	Bank 1
192MB	(1) 16M x 64	(1) 8M x 64
256MB	(1) 16M x 64	(1) 16M x 64
256MB	(1) 32M x 64	None
264MB	(1) 32M x 64	(1) 1M x 64
272MB	(1) 32M x 64	(1) 2M x 64
288MB	(1) 32M x 64	(1) 4M x 64
320MB	(1) 32M x 64	(1) 8M x 64
384MB	(1) 32M x 64	(1) 16M x 64
512MB	(1) 32M x 64	(1) 32M x 64

Note: Board accepts EDO, SDRAM & PC100 memory.

CPU SPEED SELECTION (PENTIUM II)

CPU speed	Clock speed	Multiplier	FS0	FS1	FS2
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 (PENTIUM II, CON'T)						
CPU speed	Clock speed	Multiplier	BF0	BF1	BF2	BF3
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 (PENTIUM II/CELERON)					
CPU speed	Clock speed	Multiplier	FS0	FS1	FS2
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

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (PENTIUM II/CELERON, CON'T)						
CPU speed	Clock speed	Multiplier	BF0	BF1	BF2	BF3
266MHz	66MHz	4x	1 & 2	1 & 2	2 & 3	2 & 3
300MHz	66MHz	4.5x	2 & 3	2 & 3	1 & 2	2 & 3
333MHz	66MHz	5x	1 & 2	2 & 3	1 & 2	2 & 3

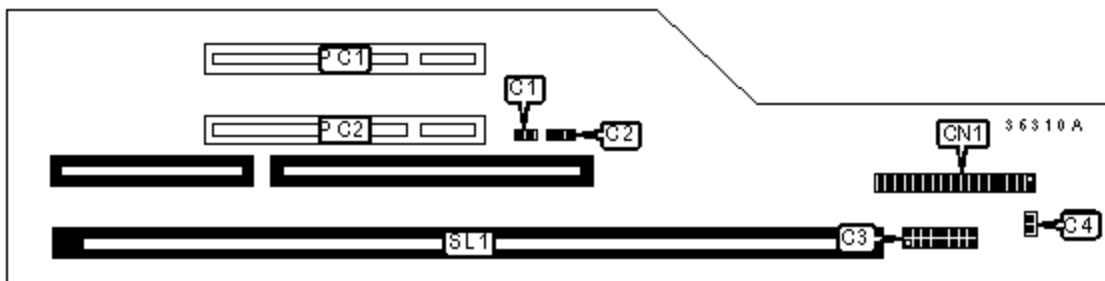
Note: Pins designated should be in the closed position.

CACHE CONFIGURATION

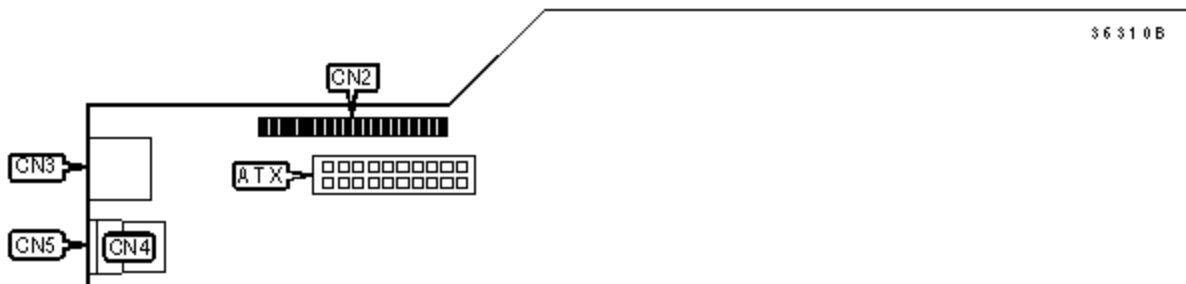
Note: 256KB/512KB cache is located on the Pentium II CPU. 128KB cache is located on the Celeron 300A & 333 CPU.

VIDEO MEMORY CONFIGURATION

Note: Board is factory installed with 4MB of video memory. To increase the memory, install chips in bank 1.



RISER CARD-FRONT VIEW



RISER CARD-BACK VIEW

CONNECTIONS

Purpose	Location	Purpose	Location
ATX power connector	ATX	IDE interface	CN2
LAN LED	C1	IR connector	CN3
Wake on LAN connector	C2	USB connector 1	CN4
Front panel connector	C3	USB connector 2	CN5
Microphone in	C4	Riser slot	SL1
Floppy drive interface	CN1	32-bit PCI slots	PC1 - PC2