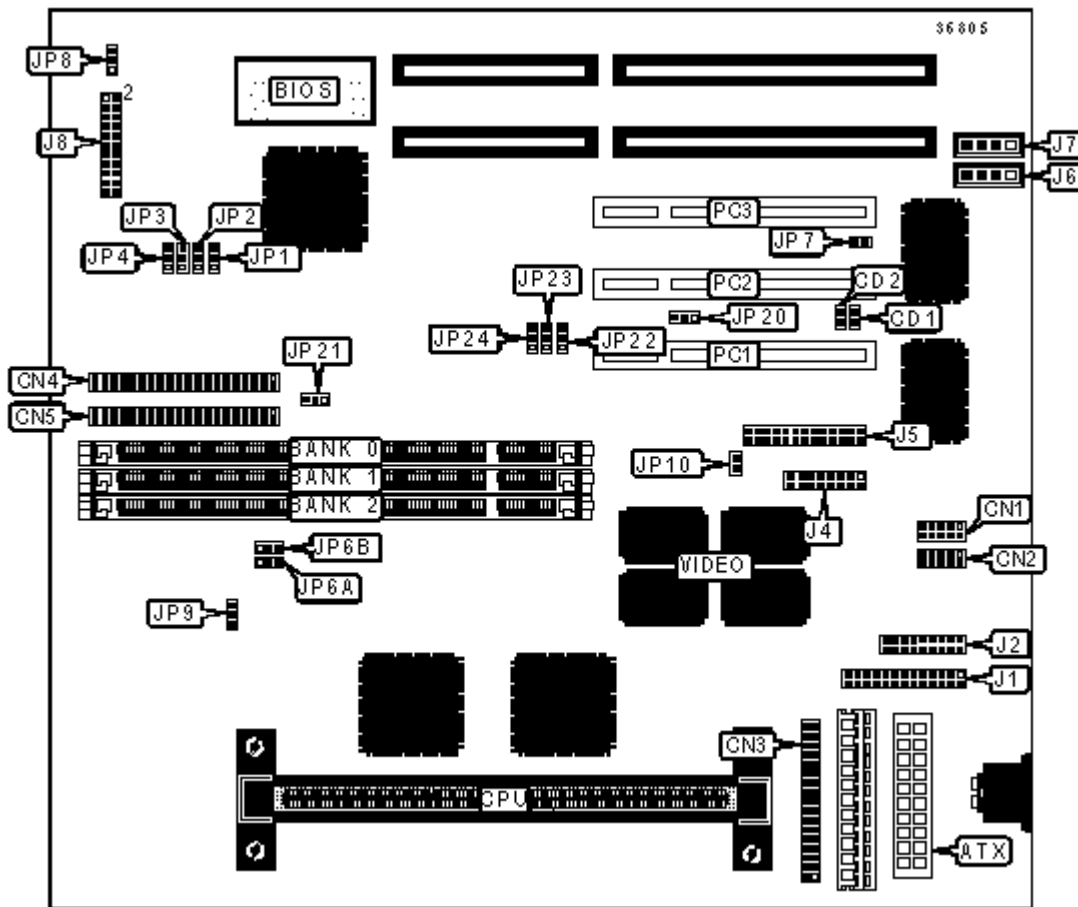


PC WARE INTERNATIONAL, INC.

MB-747

Device Type	Mainboard
Processor	Pentium II/Celeron
Processor Speed	233/266/300/333/350/366/400/450MHz
Chip Set	SIS
Video Chip Set	SIS
Audio Chip Set	Sound Pro
Maximum Onboard Memory	384MB (EDO & SDRAM & PC100 supported)
Maximum Video Memory	4MB
Cache	0/128/256/512KB (located on the CPU)
BIOS	AMI
Dimensions	254mm x 218mm
I/O Options	32-bit PCI slots (3), floppy drive interface, game interface, IDE interfaces (2), parallel port, PS/2 mouse interface, serial ports (2), IR connector, VGA interface, ATX power connector, line in, line out, microphone in, audio in – CD-ROMs (2), Wake-on-LAN connector



CONNECTIONS			
Purpose	Location	Purpose	Location
ATX power connector	ATX	Sound/game connector	J5
Digital audio out	CD1	Audio in – CD-ROM	J6

Digital audio in - CD-ROM	CD2	Audio in – CD-ROM	J7
Serial port 2	CN1	Speaker	J8/Pins 1, 3, 5 & 7
Serial port 1	CN2	Power LED & keylock	J8/Pins 2, 4, 6, 8 & 10
Floppy drive interface	CN3	IDE interface LED	J8/Pins 15 & 16
IDE interface 2	CN4	Reset switch	J8/Pins 17 & 18
IDE interface 1	CN5	Power switch	J8/Pins 21 & 22
Parallel port	J1	CPU fan power	JP9
ATX form card connector	J2	Wake-on-LAN connector	JP20
VGA interface	J4	32-bit PCI slots	PC1 – PC3

USER CONFIGURABLE SETTINGS

Function		Label	Position
	On board sound enabled	JP7	Open
	On board sound disabled	JP7	Closed
»	CMOS memory normal operation	JP8	Pins 2 & 3 closed
	CMOS memory clear	JP8	Pins 1 & 2 closed
»	Standard microphone type selected	JP10	Open
	Special microphone type selected	JP10	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) 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) 1M x 64	(1) 1M x 64
48MB	(1) 2M x 64	(1) 2M x 64	(1) 2M 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
80MB	(1) 8M x 64	(1) 1M x 64	(1) 1M x 64
96MB	(1) 8M x 64	(1) 2M x 64	(1) 2M x 64
96MB	(1) 4M x 64	(1) 4M x 64	(1) 4M 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
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) 16M x 64	(1) 4M x 64	(1) 4M x 64
192MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64
256MB	(1) 16M x 64	(1) 8M x 64	(1) 8M x 64
384MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64

Note: Board accepts EDO & SDRAM memory.

DIMM VOLTAGE CONFIGURATION

Voltage		JP6A	JP6B
»	3.3v	Pins 2 & 3 closed	Pins 2 & 3 closed
	5v	Pins 1 & 2 closed	Pins 1 & 2 closed

CACHE CONFIGURATION

Note: 256KB/512KB cache is located on the Pentium II CPUs. 128KB cache is located on the Celeron 300A and greater CPUs.

CPU SPEED SELECTION (CELERON)

CPU speed	Clock speed	Multiplier	JP1	JP2	JP3	JP4
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»	266MHz	66MHz	4x	1 & 2	1 & 2	2 & 3	1 & 2
	300MHz	66MHz	4.5x	1 & 2	2 & 3	2 & 3	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (CELERON CON'T)

CPU speed	Clock speed	Multiplier	JP21	JP22	JP23	JP24	
»	266MHz	66MHz	4x	2 & 3	1 & 2	2 & 3	2 & 3
	300MHz	66MHz	4.5x	2 & 3	1 & 2	2 & 3	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (PENTIUM II)

CPU speed	Clock speed	Multiplier	JP1	JP2	JP3	JP4	
	233MHz	66MHz	3.5x	1 & 2	2 & 3	1 & 2	2 & 3
»	266MHz	66MHz	4x	1 & 2	1 & 2	2 & 3	1 & 2
	300MHz	66MHz	4.5x	1 & 2	2 & 3	2 & 3	1 & 2
	333MHz	66MHz	5x	1 & 2	1 & 2	2 & 3	2 & 3
	366MHz	66MHz	5.5x	1 & 2	2 & 3	2 & 3	2 & 3
	350MHz	100MHz	3.5x	1 & 2	2 & 3	1 & 2	2 & 3
	400MHz	100MHz	4x	1 & 2	1 & 2	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 (PENTIUM II CON'T)

CPU speed	Clock speed	Multiplier	JP21	JP22	JP23	JP24	
	233MHz	66MHz	3.5x	2 & 3	1 & 2	2 & 3	2 & 3
»	266MHz	66MHz	4x	2 & 3	1 & 2	2 & 3	2 & 3
	300MHz	66MHz	4.5x	2 & 3	1 & 2	2 & 3	2 & 3
	333MHz	66MHz	5x	2 & 3	1 & 2	2 & 3	2 & 3

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

Note: Pins designated should be in the closed position.