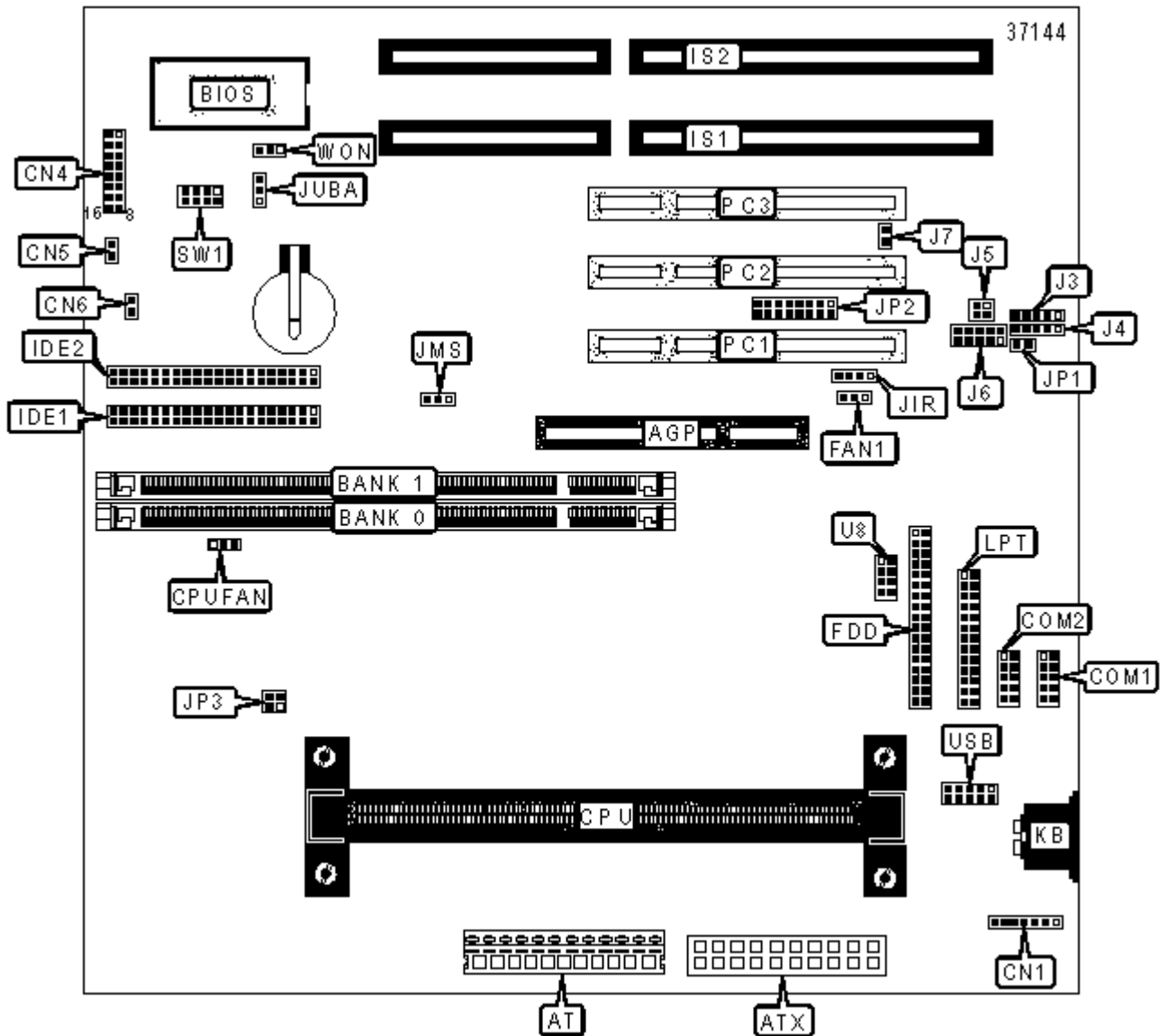


J-MARK COMPUTER CORPORATION

J-791BSR2

Device Type	Mainboard
Processor	Pentium II/Celeron
Processor Speed	233/266/300/333/350/366/400/433/450Mhz
Chip Set	VIA
Audio Chip Set	Unidentified
Maximum Onboard Memory	512MB (EDO & SDRAM supported)
Cache	0/128/256/512KB (located on the CPU)
BIOS	Award
Dimensions	220mm x 230mm
I/O Options	16-bit ISA slots (2), 32-bit PCI slots (3), AGP slot, AT keyboard port, AT power connector, ATX power connector, Audio in - CD-ROMs (2), Auxillary audio in, Floppy drive interface, Game interface, IDE interfaces (2), IR connector, Parallel port, PS/2 mouse interface, Serial ports (2), USB interface, Wake-on-LAN connector



CONNECTIONS

Purpose	Location	Purpose	Location
AGP slot	AGP	IDE interface 1	IDE1
AT power connector	AT	IDE interface 2	IDE2
ATX power connector	ATX	16-bit ISA slots	IS1 - IS2
PS/2 mouse interface	CN1	Audio in - CD-ROM 1	J3
Power LED & keylock	CN4/Pins 1 - 5	Audio in - CD-ROM 2	J4
Turbo switch	CN4/Pins 6 - 8	Digital audio in/out	J5
Speaker	CN4/Pins 9 - 12	Audio in	J6
Reset switch	CN4/Pins 13 & 14	IR connector	JIR
Turbo LED	CN4/Pins 15 & 16	Unidentified	JP1
IDE interface LED	CN5	Game interface	JP2
Power switch	CN6	Unidentified	JP3
Serial interface 1	COM1	AT keyboard port	KB
Serial interface 2	COM2	Parallel interface	LPT
CPU fan power	CPUFAN	32-bit PCI slots	PC1 - PC3
Fan power	FAN1	USB interface	USB
Floppy drive interface	FDD	Wake-on-LAN connector	WON

USER CONFIGURABLE SETTINGS

Function		Label	Position
»	On board sound enabled	J7	Open
	On board sound disabled	J7	Closed
	PS/2 mouse IRQ select IRQ12	JMS	Pins 1 & 2 closed
	Other device IRQ select IRQ12	JMS	Pins 2 & 3 closed
»	CMOS memory normal operation	JUBA	Pins 1 & 2 closed
	CMOS memory clear	JUBA	Pins 2 & 3 closed

DIMM CONFIGURATION

Size	Bank 0	Bank 1

16MB	(1) 2M x 64	None
32MB	(1) 2M x 64	(1) 2M x 64
32MB	(1) 4M x 64	None
48MB	(1) 4M x 64	(1) 2M x 64
64MB	(1) 4M x 64	(1) 4M x 64
64MB	(1) 8M x 64	None
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
144MB	(1) 16M x 64	(1) 2M x 64
160MB	(1) 16M x 64	(1) 4M x 64
192MB	(1) 16M x 64	(1) 8M x 64
256MB	(1) 16M x 64	(1) 16M x 64
256MB	(1) 32M x 64	None
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 supports EDO & SDRAM memory.

CACHE CONFIGURATION

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

CPU SPEED SELECTION (CELERON)

CPU speed	Clock speed	Multiplier	U8	SW1
266MHz	66MHz	4x	3 & 4, 5 & 6, 7 & 8	3 & 4, 5 & 6
300MHz	66MHz	4.5x	3 & 4, 7 & 8	3 & 4, 5 & 6

333MHz	66MHz	5x	5 & 6, 7 & 8	3 & 4, 5 & 6
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Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (PENTIUM II)

CPU speed	Clock speed	Multiplier	U8	SW1
233MHz	66MHz	3.5x	1 & 2, 7 & 8	3 & 4, 5 & 6
266MHz	66MHz	4x	3 & 4, 5 & 6, 7 & 8	3 & 4, 5 & 6
300MHz	66MHz	4.5x	3 & 4, 7 & 8	3 & 4, 5 & 6
333MHz	66MHz	5x	5 & 6, 7 & 8	3 & 4, 5 & 6
350MHz	100MHz	3.5x	1 & 2, 7 & 8	Open
400MHz	100MHz	4x	3 & 4, 5 & 6, 7 & 8	Open
450MHz	100MHz	4.5x	3 & 4, 7 & 8	Open

Note: Pins designated should be in the closed position.