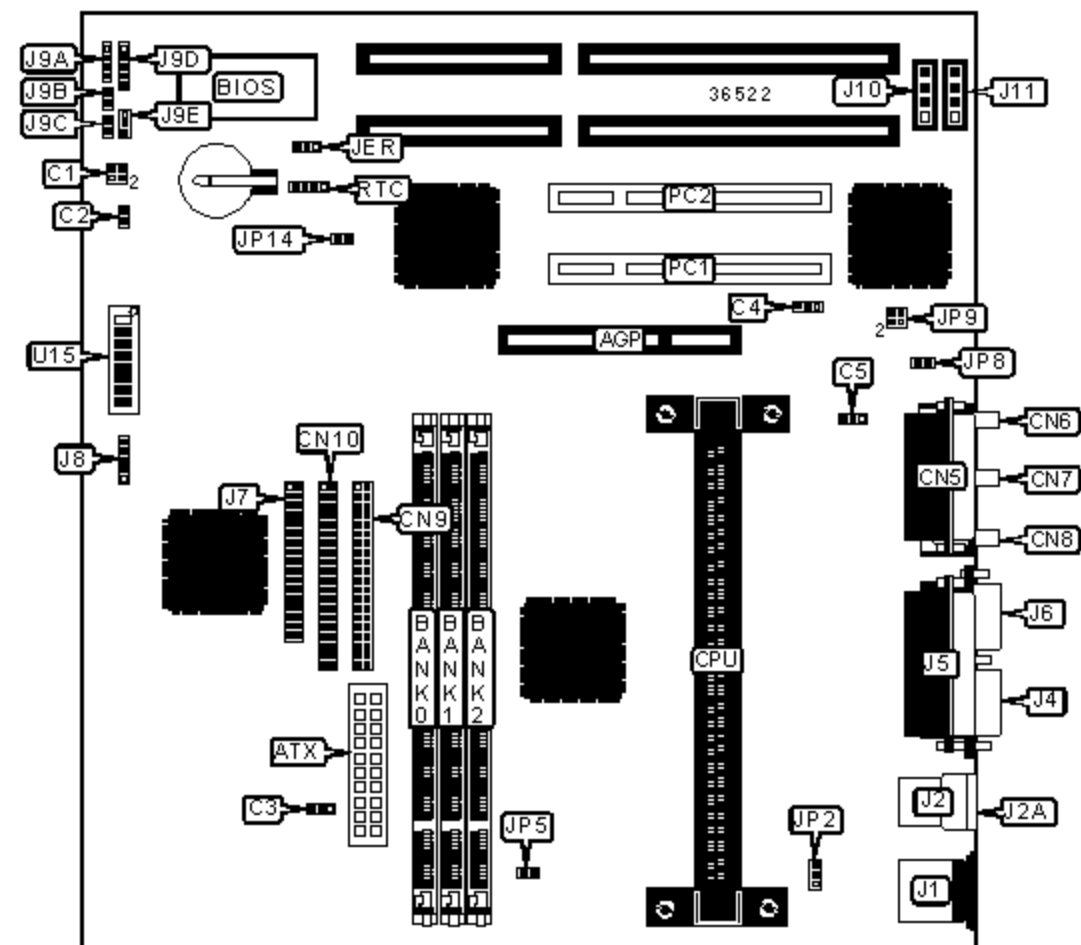


# J-MARK COMPUTER CORPORATION

## J-7XCS/L

<b>Device Type</b>	Mainboard
<b>Processor</b>	Pentium II
<b>Processor Speed</b>	233/266/300/333MHz
<b>Chip Set</b>	Intel 440LX/EX
<b>Maximum Onboard Memory</b>	768MB (EDO & SDRAM supported)
<b>Audio Chip Set</b>	CMI
<b>Cache</b>	256/512KB (located on Pentium II CPU)
<b>BIOS</b>	Unidentified
<b>Dimensions</b>	245mm x 230mm
<b>I/O Options</b>	32-bit PCI slots (2), floppy drive interface, game/MIDI port, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse port, serial ports (2), IR connector, USB connectors (2), ATX power connector, AGP slot, audio in – CD-ROMs (2), CPU thermal sensor connector



### CONNECTIONS

Purpose	Location	Purpose	Location
AGP slot	AGP	Serial port 1	J4
ATX power connector	ATX	Parallel port	J5
IDE interface LED	C1/pins 1 & 3	Serial port 2	J6
	C1/pins 2 & 4		J7

Green PC connector	C1/pins 2 & 4	Floppy drive interface	J7
Soft off power supply	C2	IR connector	J8
Chassis fan power	C3	Speaker	J9A
Chassis fan power	C4	Reset switch	J9B
CPU fan power	C5	Turbo LED	J9C
Game/MIDI port	CN5	Power LED & keylock	J9D
Microphone in	CN6	Turbo switch	J9E
Line in	CN7	Audio in – CD-ROM	J10
Line out	CN8	Audio in – CD-ROM	J11
IDE interface 2	CN9	CPU thermal sensor connector	JP5
IDE interface 1	CN10	Digital audio out	JP9/pins 1 & 2
PS/2 mouse port	J1	Digital audio in	JP9/pins 3 & 4
USB connector 1	J2	32-bit PCI slots	PC1 – PC2
USB connector 2	J2A		

### USER CONFIGURABLE SETTINGS

Function		Label	Position
»	Factory configured - do not alter	JER	Unidentified
»	Factory configured - do not alter	JP2	Unidentified
»	Factory configured - do not alter	JP8	Unidentified
»	Factory configured - do not alter	JP14	Unidentified
»	CMOS memory normal operation	RTC	Pins 2 & 3 closed
	CMOS memory clear	RTC	Pins 3 & 4 closed
»	Factory configured - do not alter	U15/8	Off

### 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
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
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

**DIMM CONFIGURATION (CON'T)**

Size	Bank 0	Bank 1	Bank 2
72MB	(1) 8M x 64	(1) 1M x 64	None
72MB	(1) 4M x 64	(1) 4M x 64	(1) 1M x 64
80MB	(1) 8M x 64	(1) 1M x 64	(1) 1M x 64
80MB	(1) 8M x 64	(1) 2M x 64	None
80MB	(1) 4M x 64	(1) 4M x 64	(1) 2M x 64
88MB	(1) 8M x 64	(1) 2M x 64	(1) 1M x 64
96MB	(1) 8M x 64	(1) 2M x 64	(1) 2M x 64
96MB	(1) 8M x 64	(1) 4M x 64	None
96MB	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64
104MB	(1) 8M x 64	(1) 4M x 64	(1) 1M 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
160MB	(1) 8M x 64	(1) 8M x 64	(1) 4M x 64
168MB	(1) 16M x 64	(1) 4M x 64	(1) 1M x 64
176MB	(1) 16M x 64	(1) 4M x 64	(1) 2M x 64
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
208MB	(1) 16M x 64	(1) 8M x 64	(1) 2M x 64
224MB	(1) 16M x 64	(1) 8M x 64	(1) 4M 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) 2M x 64	(1) 2M x 64
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 EDO & SDRAM memory.

### CACHE CONFIGURATION

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

### CPU SPEED SELECTION

CPU speed	Clock speed	Multiplier	U15/1	U15/2	U15/3
233MHz	66MHz	3.5x	On	On	Off
266MHz	66MHz	4x	On	Off	On
300MHz	66MHz	4.5x	On	Off	Off
333MHz	66MHz	5x	On	Off	On

### CPU SPEED SELECTION (CON'T)

CPU speed	Clock speed	Multiplier	U15/4	U15/5	U15/6	U15/7
233MHz	66MHz	3.5x	Off	Off	Off	Off
266MHz	66MHz	4x	On	Off	Off	Off
300MHz	66MHz	4.5x	On	Off	Off	Off
333MHz	66MHz	5x	Off	Off	Off	Off