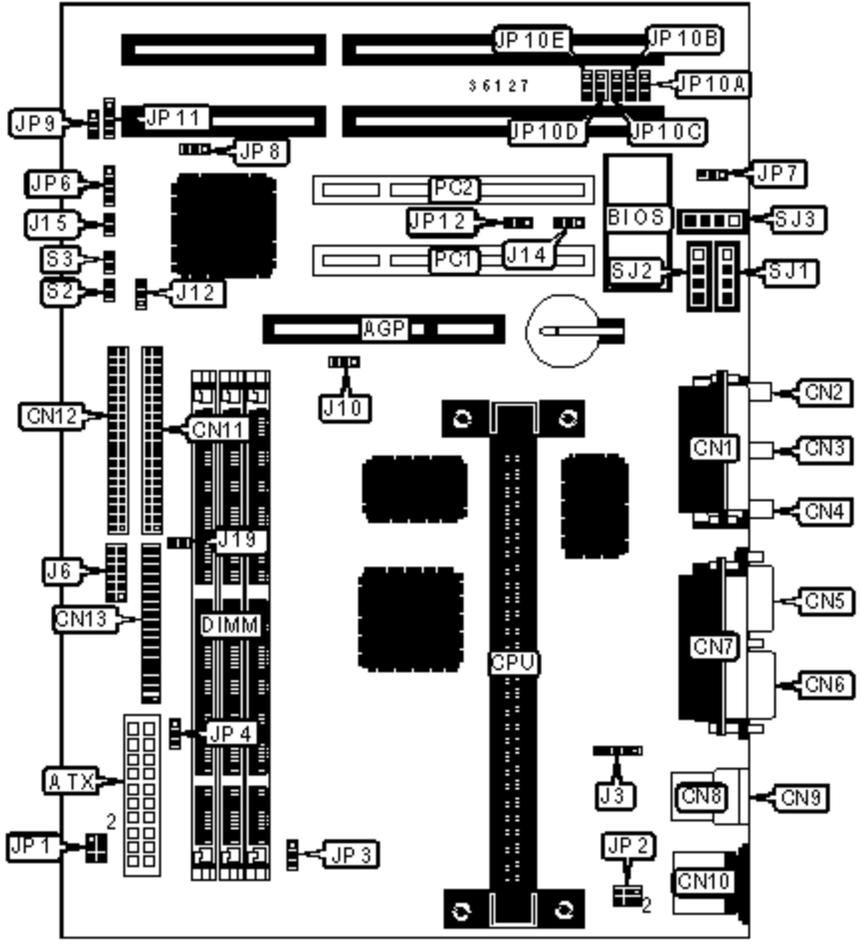


# SHUTTLE COMPUTER INTERNATIONAL, INC.

## HOT-675

<b>Device Type</b>	Mainboard
<b>Processor</b>	Pentium II/Celeron
<b>Processor Speed</b>	233/266/300/333/350/400/450/500MHz
<b>Chip Set</b>	Intel 440BX
<b>Maximum Onboard Memory</b>	768MB (SDRAM supported)
<b>Audio Chip Set</b>	Creative Labs
<b>Cache</b>	0/128/256/512KB (located on the CPU)
<b>BIOS</b>	Award
<b>Dimensions</b>	244mm x 170mm
<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), VGA port, IR connector, USB connectors (2), ATX power connector, line in, line out, microphone in, audio in - CD-ROMs (3), wake on LAN connector



### CONNECTIONS

Purpose	Location	Purpose	Location
AGP slot	AGP	AGP fan power	J10
ATX power connector	ATX	Wake on LAN connector	J12
Game/MIDI port	CN1	Chassis fan power	J14
Microphone in	CN2	Reset switch	J15

Line in	CN3	CPU fan power	JP3
Line out	CN4	CPU fan power	JP4
Serial port 2	CN5	Speaker	JP6
Serial port 1	CN6	Power LED	JP9
Parallel port	CN7	Green PC connector	JP11/pins 1 & 2
USB connector 1	CN8	Green PC LED	JP11/pins 3 & 4
USB connector 2	CN9	32-bit PCI slots	PC1 - PC2
PS/2 mouse port	CN10	Soft off power supply	S2
Floppy drive interface	CN11	IDE interface LED	S3
IDE interface 2	CN12	Audio in - CD-ROM	SJ1
IDE interface 1	CN13	Audio in - CD-ROM	SJ2
IR connector	J3	Audio in - CD-ROM	SJ3
EISCA connector	J6		

### USER CONFIGURABLE SETTINGS

Function		Label	Position
	Flash BIOS voltage select 12v	JP7	Pins 2 & 3 closed
	Flash BIOS voltage select 5v	JP7	Pins 1 & 2 closed
»	CMOS memory normal operation	JP8	Pins 1 & 2 closed
	CMOS memory clear	JP8	Pins 2 & 3 closed
	On board sound enabled	JP12	Pins 1 & 2 closed
	On board sound disabled	JP12	Pins 2 & 3 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) 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

### DIMM CONFIGURATION (CON'T)

Size	Bank 0	Bank 1	Bank 2
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
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
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
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
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
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 SDRAM memory.

## CACHE CONFIGURATION

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

### CPU SPEED SELECTION

CPU speed	Clock speed	Multiplier	JP1
233MHz	66MHz	3.5x	Pins 5 & 6 closed
266MHz	66MHz	4x	Pins 5 & 6 closed
300MHz	66MHz	4.5x	Pins 5 & 6 closed
333MHz	66MHz	5x	Pins 5 & 6 closed
350MHz	100MHz	3.5x	Open
400MHz	100MHz	4x	Open
450MHz	100MHz	4.5x	Open
500MHz	100MHz	5x	Open

### CPU SPEED SELECTION, CON'T

CPU speed	Clock speed	Multiplier	JP10A	JP10B	JP10C	JP10D	JP10E
233MHz	66MHz	3.5x	1 & 2	Open	1 & 2	Open	Open
266MHz	66MHz	4x	Open	1 & 2	1 & 2	1 & 2	Open
300MHz	66MHz	4.5x	Open	1 & 2	1 & 2	Open	Open
333MHz	66MHz	5x	Open	Open	1 & 2	1 & 2	Open
350MHz	100MHz	3.5x	1 & 2	Open	1 & 2	Open	Open
400MHz	100MHz	4x	Open	1 & 2	1 & 2	1 & 2	Open
450MHz	100MHz	4.5x	Open	1 & 2	1 & 2	Open	Open
500MHz	100MHz	5x	Open	Open	1 & 2	1 & 2	Open
BIOS select	N/A	N/A	2 & 3	2 & 3	2 & 3	2 & 3	2 & 3

Note: Pins designated should be in the closed position.

### CPU OVER CLOCK SELECTION

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<b>Setting</b>	<b>J19</b>
66MHz	Closed
100MHz	Open

<b>KEYBOARD/MOUSE POWER ON SELECTION</b>	
<b>Setting</b>	<b>JP2</b>
Power on disabled	Pins 3 & 5, 4 & 6 closed
Power on enabled	Pins 1 & 3, 4 & 6 closed
Mouse power on enabled	Pins 2 & 4, 3 & 5 closed