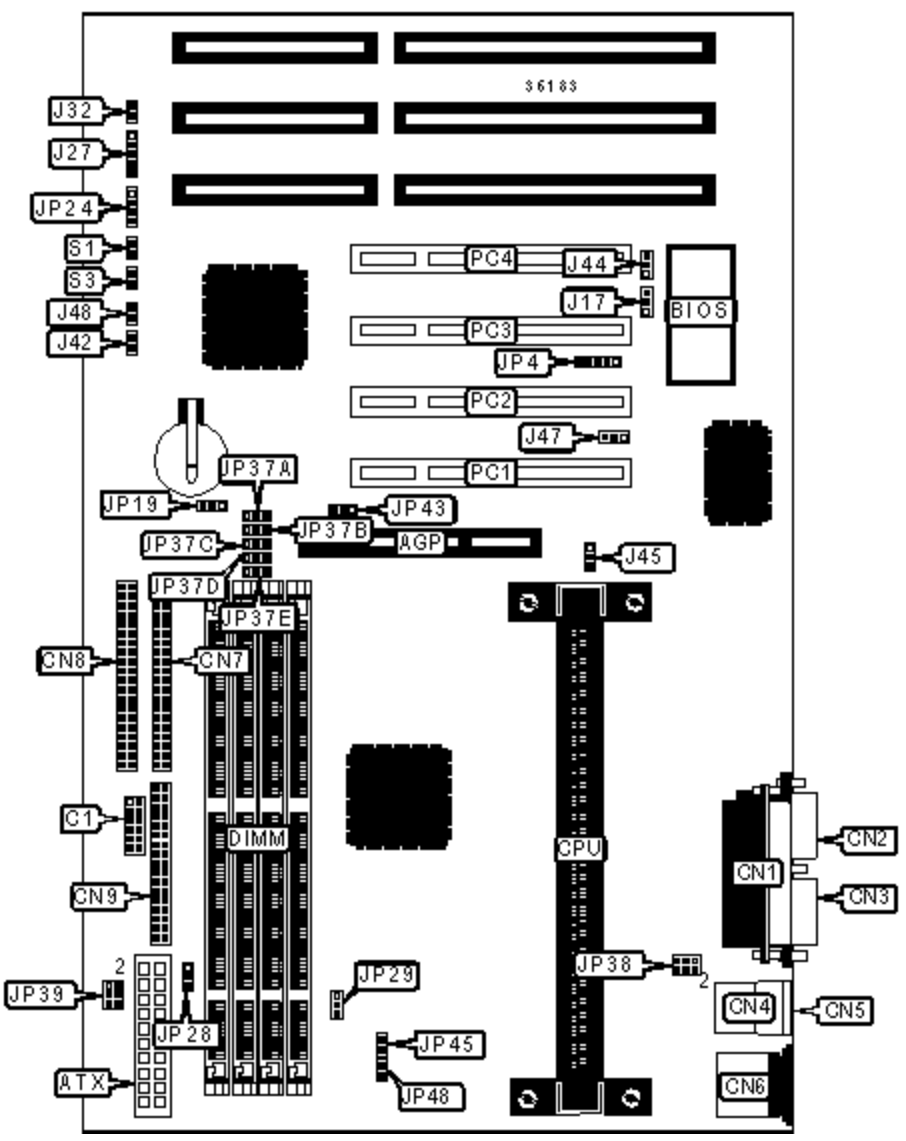


# SHUTTLE COMPUTER INTERNATIONAL, INC.

## HOT-661/P (VER. 3.0)

<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>	1GB (SDRAM supported)
<b>Cache</b>	0/128/256/512KB (located on the CPU)
<b>BIOS</b>	Award
<b>Dimensions</b>	305mm x 170mm
<b>I/O Options</b>	32-bit PCI slots (4), floppy drive interface, IDE interfaces (2), parallel port, PS/2 mouse port, serial ports (2), IR connector, USB connectors (2), ATX power connector, AGP slot, wake on LAN connector



### CONNECTIONS

Purpose	Location	Purpose	Location
AGP slot	AGP	Reset switch	J32
ATX power connector	ATX	EPMI connector	J42
FISGA connector	C1	Wake on LAN connector	J45

EISCA connector	C1	Wake on LAN connector	J45
Parallel port	CN1	AGP fan power	J47
Serial port 1	CN2	Green LED connector	J48
Serial port 2	CN3	IR connector	JP4
USB connector 1	CN4	Speaker	JP24
USB connector 2	CN5	CPU fan power	JP28
PS/2 mouse port	CN6	CPU fan power	JP29
IDE interface 1	CN7	Chassis fan power	JP43
IDE interface 2	CN8	Soft off power supply	S1
Floppy drive interface	CN9	IDE interface LED	S3
Power LED & keylock	J27	32-bit PCI slots	PC1 – PC4

### USER CONFIGURABLE SETTINGS

Function		Label	Position
	Flash BIOS voltage select 12v	J17	Pins 1 & 2 closed
	Flash BIOS voltage select 5v	J17	Pins 2 & 3 closed
»	CMOS memory normal operation	JP19	Pins 1 & 2 closed
	CMOS memory clear	JP19	Pins 2 & 3 closed
»	CPU host clock runs normally	JP45	Closed
	CPU host clock runs overspeed	JP45	Open
»	Factory configured - do not alter	JP48	Unidentified

### DIMM CONFIGURATION

Size	Bank 0	Bank 1	Bank 2	Bank 3
8MB	(1) 1M x 64	None	None	None
16MB	(1) 2M x 64	None	None	None
16MB	(1) 1M x 64	(1) 1M x 64	None	None

24MB	(1) 2M x 64	(1) 1M x 64	None	None
24MB	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64	None
32MB	(1) 4M x 64	None	None	None
32MB	(1) 2M x 64	(1) 2M x 64	None	None
32MB	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64
40MB	(1) 4M x 64	(1) 1M x 64	None	None
48MB	(1) 4M x 64	(1) 2M x 64	None	None
48MB	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64	None
64MB	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64
64MB	(1) 8M x 64	None	None	None
64MB	(1) 4M x 64	(1) 4M x 64	None	None
72MB	(1) 8M x 64	(1) 1M x 64	None	None
80MB	(1) 8M x 64	(1) 2M x 64	None	None
96MB	(1) 8M x 64	(1) 4M x 64	None	None
96MB	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64	None

### DIMM CONFIGURATION (CON'T)

Size	Bank 0	Bank 1	Bank 2	Bank 3
128MB	(1) 16M x 64	None	None	None
128MB	(1) 8M x 64	(1) 8M x 64	None	None
128MB	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64
136MB	(1) 16M x 64	(1) 1M x 64	None	None
144MB	(1) 16M x 64	(1) 2M x 64	None	None
176MB	(1) 16M x 64	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64
192MB	(1) 16M x 64	(1) 8M x 64	None	None
192MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64	None
256MB	(1) 32M x 64	None	None	None
256MB	(1) 16M x 64	(1) 16M x 64	None	None

256MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64
272MB	(1) 16M x 64	(1) 16M x 64	(1) 1M x 64	(1) 1M x 64
280MB	(1) 32M x 64	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64
288MB	(1) 16M x 64	(1) 16M x 64	(1) 2M x 64	(1) 2M x 64
320MB	(1) 16M x 64	(1) 16M x 64	(1) 4M x 64	(1) 4M x 64
384MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64	None
448MB	(1) 32M x 64	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64
512MB	(1) 32M x 64	(1) 32M x 64	None	None
512MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64
640MB	(1) 32M x 64	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64
768MB	(1) 32M x 64	(1) 32M x 64	(1) 32M x 64	None
1024MB	(1) 32M x 64	(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	JP39
233MHz	66MHz	3.5x	5 & 6
266MHz	66MHz	4x	5 & 6
300MHz	66MHz	4.5x	5 & 6
333MHz	66MHz	5x	5 & 6
350MHz	100MHz	3.5x	Open
400MHz	100MHz	4x	Open
450MHz	100MHz	4.5x	Open
500MHz	100MHz	5x	Open

Note: Pins designated should be in the closed position.

### CPU SPEED SELECTION (CON'T)

CPU speed	Clock speed	Multiplier	JP37A	JP37B	JP37C	JP37D	JP37E
233MHz	66MHz	3.5x	Open	1 & 2	Open	1 & 2	Open
266MHz	66MHz	4x	Open	Open	1 & 2	1 & 2	1 & 2
300MHz	66MHz	4.5x	Open	Open	1 & 2	1 & 2	Open
333MHz	66MHz	5x	Open	Open	Open	1 & 2	1 & 2
350MHz	100MHz	3.5x	Open	1 & 2	Open	1 & 2	Open
400MHz	100MHz	4x	Open	Open	1 & 2	1 & 2	1 & 2
450MHz	100MHz	4.5x	Open	Open	1 & 2	1 & 2	Open
500MHz	100MHz	5x	Open	Open	Open	1 & 2	1 & 2

Note: Pins designated should be in the closed position.

### CLOCK SPEED SELECTION CONTROL

Clock speed	JP37A	JP37B	JP37C	JP37D	JP37E
BIOS select	2 & 3	2 & 3	2 & 3	2 & 3	2 & 3
Manual select	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2

Note: Pins designated should be in the closed position. If the above jumpers are set to manual, remove jumper at JP45.

### KEYBOARD/MOUSE SELECTION

Setting	J44	JP38
Keyboard/mouse power on enabled	Pins 1 & 2 closed	Pins 2 & 3, 5 & 6 closed
Keyboard/mouse power on disabled	Pins 2 & 3 closed	Pins 1 & 2, 4 & 5 closed
Mouse power on enabled	Pins 1 & 2 closed	Pins 2 & 3, 4 & 5 closed
Keyboard power on disabled	Pins 1 & 2 closed	Pins 1 & 2, 5 & 6 closed