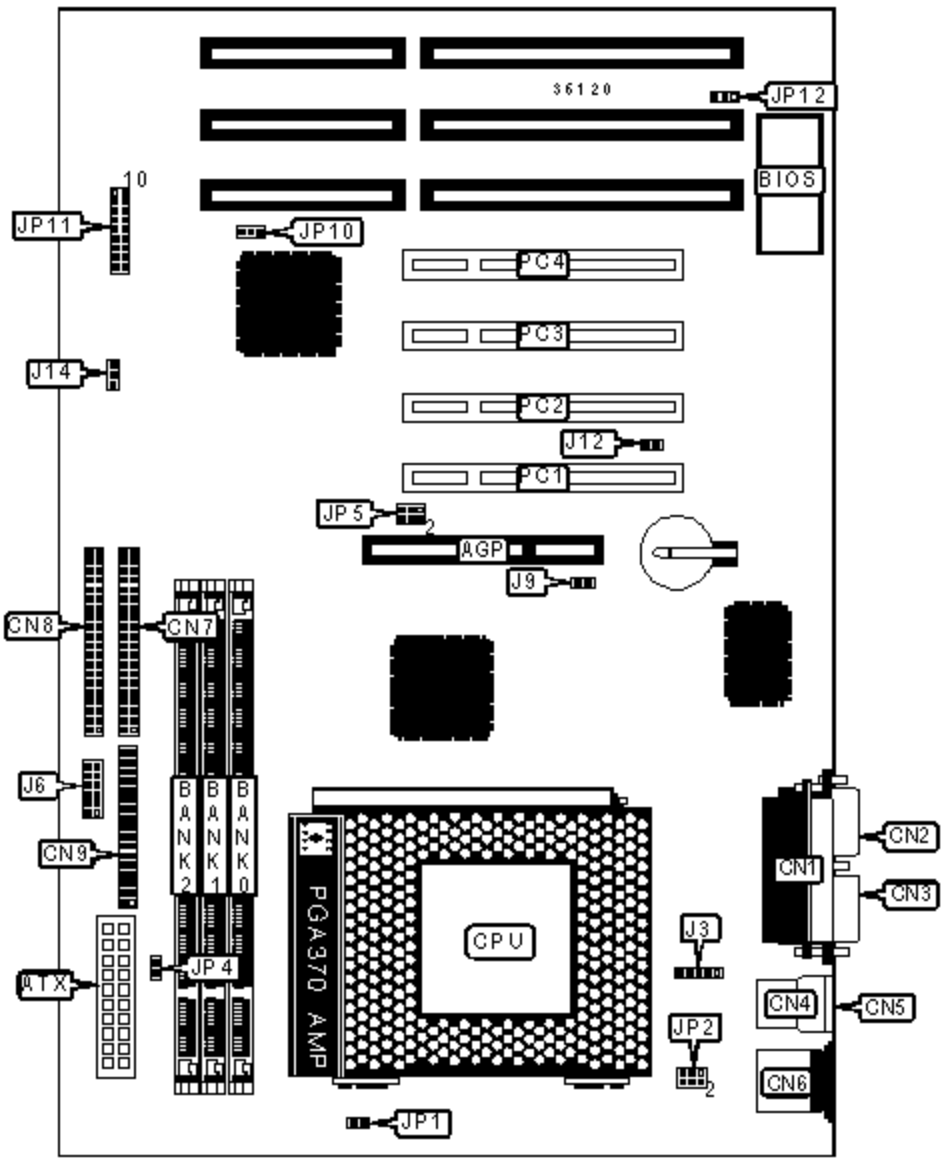


# SHUTTLE COMPUTER INTERNATIONAL, INC.

## HOT-683

<b>Device Type</b>	Mainboard
<b>Processor</b>	Celeron
<b>Processor Speed</b>	300/333/350/366/400/433/450/466/500MHz
<b>Chip Set</b>	Intel 440LX
<b>Maximum Onboard Memory</b>	384MB (EDO & SDRAM supported)
<b>Cache</b>	128KB (located on the Celeron CPU)
<b>BIOS</b>	Award
<b>Dimensions</b>	305mm x 190mm
<b>I/O Options</b>	32-bit PCI slots (4), floppy drive interface, 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, wake on LAN connector



### CONNECTIONS

Purpose	Location	Purpose	Location
AGP slot	AGP	Chassis fan power	J9
ATX power connector	ATX	Chassis fan power	J12

Parallel port	CN1	Wake on LAN connector	J14
Serial port 1	CN2	Chassis fan power	JP1
Serial port 2	CN3	Chassis fan power	JP4
USB connector 1	CN4	IDE interface LED	JP11/pins 2 & 3
USB connector 2	CN5	Green PC connector	JP11/pins 4 & 5
PS/2 mouse port	CN6	Green PC LED	JP11/pins 6 & 7
IDE interface 2	CN7	Soft off power supply	JP11/pins 8 & 9
IDE interface 1	CN8	Reset switch	JP11/pins 10 & 11
Floppy drive interface	CN9	Power LED	JP11/pins 12 - 14
IR connector	J3	Speaker	JP11/pins 15 - 18
EISCA connector	J6	32-bit PCI slots	PC1 - PC4

### USER CONFIGURABLE SETTINGS

Function		Label	Position
»	CMOS memory normal operation	JP10	Pins 1 & 2 closed
	CMOS memory clear	JP10	Pins 2 & 3 closed
	Flash BIOS voltage select 12v	JP12	Pins 2 & 3 closed
	Flash BIOS voltage select 5v	JP12	Pins 1 & 2 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
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

### DIMM CONFIGURATION (CON'T)

Size	Bank 0	Bank 1	Bank 2
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) 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.

### CPU SPEED SELECTION

CPU speed	Clock speed	Multiplier	JP5/pins 1 & 2	JP5/pins 3 & 4	JP5/pins 5 & 6
300MHz	66MHz	4.5x	Open	Open	Closed
333MHz	66MHz	5x	Open	Open	Closed
366MHz	66MHz	5.5x	Open	Open	Closed
400MHz	66MHz	6x	Open	Open	Closed

**KEYBOARD/MOUSE POWER ON SELECTION**

<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