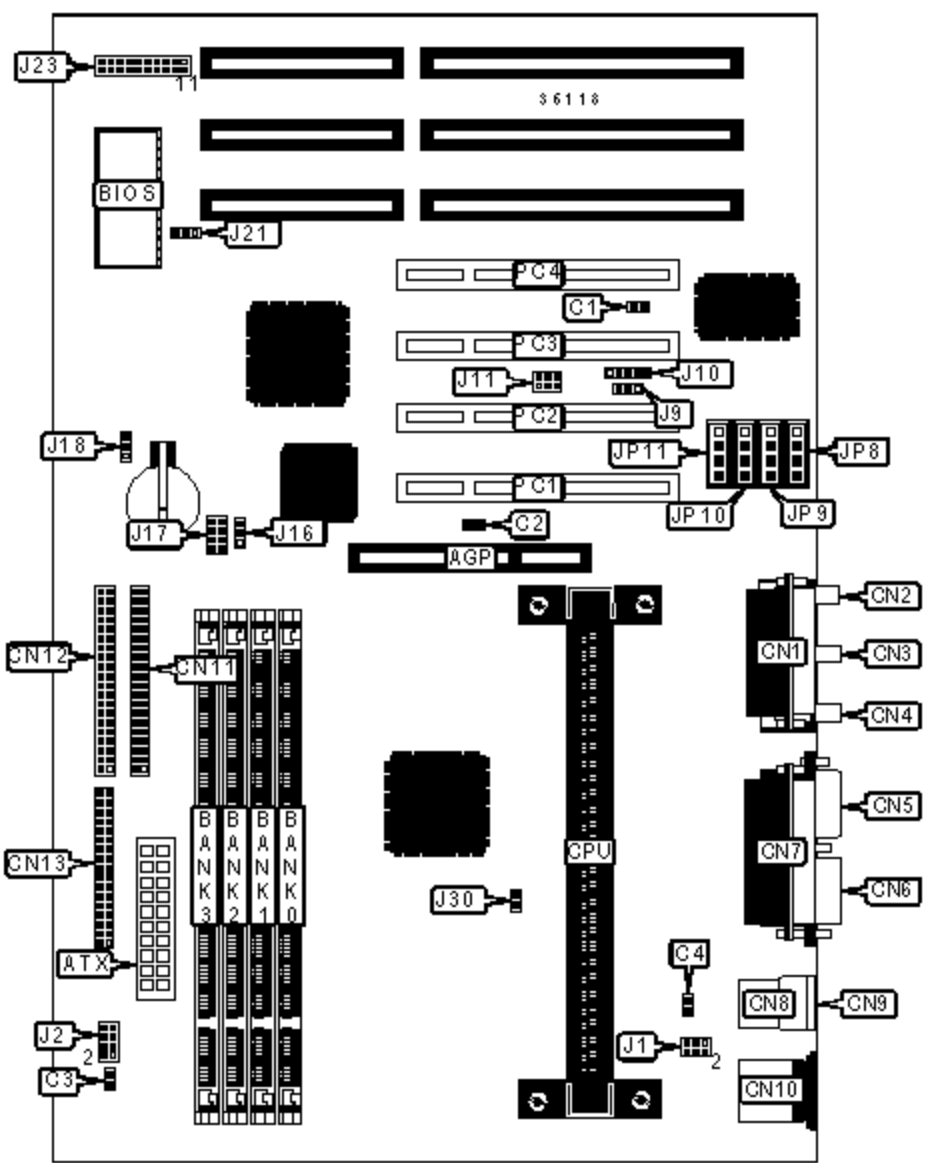


SHUTTLE COMPUTER INTERNATIONAL, INC.

HOT-663

Device Type	Mainboard
Processor	Pentium II/Celeron
Processor Speed	233/266/300/333/350/400/450/500MHz
Chip Set	Intel 440BX
Maximum Onboard Memory	1GB (SDRAM supported)
Audio Chip Set	Yamaha
Cache	0/128/256/512KB (located on the CPU)
BIOS	Award
Dimensions	305mm x 190mm
I/O Options	32-bit PCI slots (4), 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, line in, line out, microphone in, audio in - CD-ROMs (4), wake on LAN connector



CONNECTIONS

Purpose	Location	Purpose	Location
AGP slot	AGP	IDE interface 2	CN12

ATX power connector	ATX	IDE interface 1	CN13
Chassis fan power	C1	Wake on LAN connector	J9
Chassis fan power	C2	IR connector	J10
Chassis fan power	C3	SB-link connector	J11
Chassis fan power	C4	Reset switch	J23/pins 1 & 2
Game/MIDI port	CN1	IDE interface LED	J23/pins 3 & 4
Microphone in	CN2	Green PC LED	J23/pins 5 & 6
Line in	CN3	Green PC connector	J23/pins 7 & 8
Line out	CN4	Soft off power supply	J23/pins 9 & 10
Serial port 2	CN5	Power LED & keylock	J23/pins 11 - 15
Serial port 1	CN6	Speaker	J23/pins 16 - 20
Parallel port	CN7	Audio in - CD-ROM	JP8
USB connector 1	CN8	Audio in - CD-ROM	JP9
USB connector 2	CN9	Audio in - CD-ROM	JP10
PS/2 mouse port	CN10	Audio in - CD-ROM	JP11
Floppy drive interface	CN11	32-bit PCI slots	PC1 - PC4

USER CONFIGURABLE SETTINGS

Function		Label	Position
»	On board sound enabled	J16	Pins 1 & 2 closed
	On board sound disabled	J16	Pins 2 & 3 closed
»	CMOS memory normal operation	J18	Pins 1 & 2 closed
	CMOS memory clear	J18	Pins 2 & 3 closed
	Flash BIOS voltage select 12v	J21	Pins 1 & 2 closed
	Flash BIOS voltage select 5v	J21	Pins 2 & 3 closed
»	Factory configured - do not alter	J30	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

DIMM CONFIGURATION (CON'T)

Size	Bank 0	Bank 1	Bank 2	Bank 3
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
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	J2/pins	J2/pins	J2/pins	J2/pins
			1 & 2	3 & 4	5 & 6	7 & 8
233MHz	66MHz	3.5x	Open	Open	Closed	Open
266MHz	66MHz	4x	Open	Open	Closed	Open
300MHz	66MHz	4.5x	Open	Open	Closed	Open

333MHz	66MHz	5x	Open	Open	Closed	Open
350MHz	100MHz	3.5x	Open	Open	Open	Open
400MHz	100MHz	4x	Open	Open	Open	Open
450MHz	100MHz	4.5x	Open	Open	Open	Open
500MHz	100MHz	5x	Open	Open	Open	Open

CPU SPEED SELECTION (CON'T)

CPU speed	Clock speed	Multiplier	J17/pins 1 & 2	J17/pins 3 & 4	J17/pins 5 & 6	J17/pins 7 & 8
233MHz	66MHz	3.5x	Closed	Open	Closed	Open
266MHz	66MHz	4x	Open	Closed	Closed	Closed
300MHz	66MHz	4.5x	Open	Closed	Closed	Open
333MHz	66MHz	5x	Open	Open	Closed	Closed
350MHz	100MHz	3.5x	Closed	Open	Closed	Open
400MHz	100MHz	4x	Open	Closed	Closed	Closed
450MHz	100MHz	4.5x	Open	Closed	Closed	Open
500MHz	100MHz	5x	Open	Open	Closed	Closed

KEYBOARD/MOUSE POWER ON SELECTION

Setting	J1
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