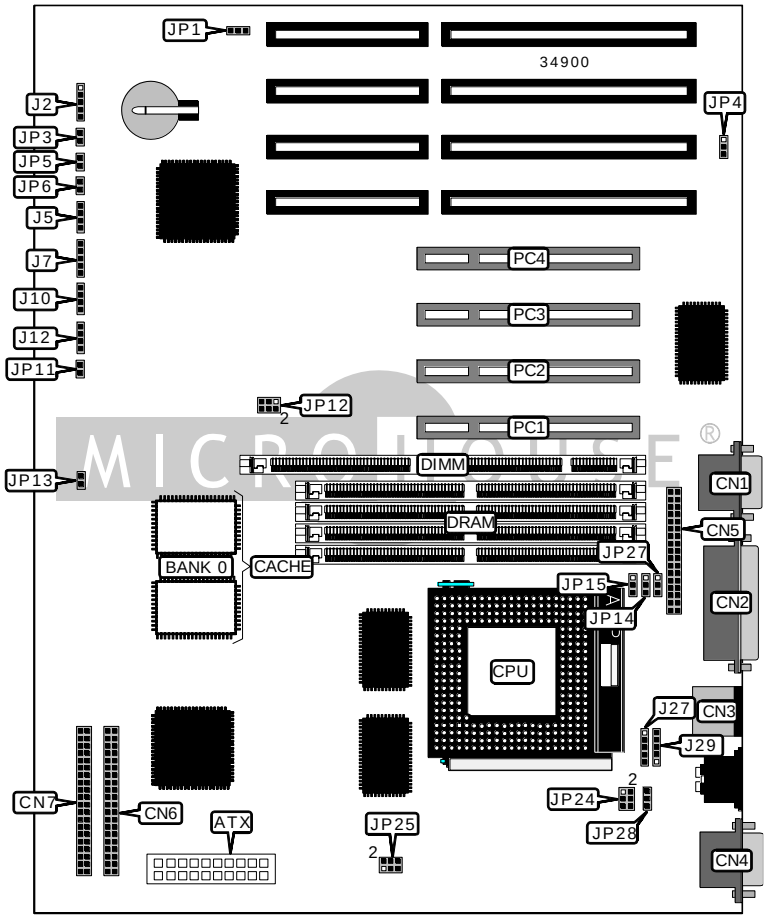
SHUTTLE COMPUTER INTERNATIONAL, INC.
H O T - 5 5 9 (V E R . 1 . 3)

Device Type	Mainboard
Processor	CX 6X86/IBM 6X86/CX 6X86L/IBM 6X86L/AM K5/AM K6/Pentium
Processor Speed	75/90/100/120/133/150/166/200/233/266MHz
Chip Set	Intel
Video Chip Set	None
Maximum Onboard Memory	128MB (EDO & SDRAM supported)
Maximum Video Memory	None
Cache	256/512KB
BIOS	Award
Dimensions	305mm x 240mm
I/O Options	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
NPU Options	None



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CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
ATX power connector	ATX	Power LED & keylock	J7
Serial port 2	CN1	IDE interface LED	J10
Parallel port	CN2	Sleep/power connector	J12
PS/2 mouse port	CN3	USB connector 1	J27
Serial port 1	CN4	USB connector 2	J29
Floppy drive interface	CN5	Reset switch	JP3
IDE interface	CN6	Green PC connector	JP5
IDE interface	CN7	Green PC LED	JP6
IR connector	J2	Chassis fan power	JP28
Speaker	J5	32-bit PCI slots	PC1 – PC4

USER CONFIGURABLE SETTINGS		
Function	**Label**	**Position**
Flash BIOS voltage select 12v	JP1	Pins 1 & 2 closed
Flash BIOS voltage select 5v	JP1	Pins 2 & 3 closed
í CMOS memory normal operation	JP4	Pins 1 & 2 closed
CMOS memory clear	JP4	Pins 2 & 3 closed
í Factory configured – do not alter	JP11	Unidentified
í Factory configured – do not alter	JP13	Unidentified

SIMM CONFIGURATION		
Size	**Bank 0**	**Bank 1**
8MB	(2) 1M x 36	None
16MB	(2) 2M x 36	None
16MB	(2) 1M x 36	(2) 1M x 36
24MB	(2) 2M x 36	(2) 1M x 36
32MB	(2) 4M x 36	None
32MB	(2) 2M x 36	(2) 2M x 36
40MB	(2) 4M x 36	(2) 1M x 36
48MB	(2) 4M x 36	(2) 2M x 36
64MB	(2) 8M x 36	None

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SIMM CONFIGURATION (CON'T)		
Size	**Bank 0**	**Bank 1**
64MB	(2) 4M x 36	(2) 4M x 36
72MB	(2) 8M x 36	(2) 1M x 36
80MB	(2) 8M x 36	(2) 2M x 36
96MB	(2) 8M x 36	(2) 4M x 36
128MB	(2) 8M x 36	(2) 8M x 36
Note: Board accepts EDO memory.		

DIMM CONFIGURATION	
Size	**Bank 2**
8MB	(1) 1M x 64
16MB	(1) 2M x 64
32MB	(1) 4M x 64
64MB	(1) 8M x 64
128MB	(1) 16M x 64

CACHE CONFIGURATION	
Size	**Bank 0**
256KB	(2) 32K x 32
512KB	(2) 64K x 32

CPU SPEED SELECTION (CX 6X86)						
CPU speed	**Clock speed**	**Multiplier**	**JP12**	**JP14**	**JP15**	**JP27**
120MHz	50MHz	2x	1 & 2, 3 & 4, 5 & 6	2 & 3	1 & 2	2 & 3
133MHz	55MHz	2x	1 & 2, 3 & 4	2 & 3	1 & 2	2 & 3
150MHz	60MHz	2x	3 & 4, 5 & 6	2 & 3	1 & 2	2 & 3
166MHz	66MHz	2x	1 & 2, 5 & 6	2 & 3	1 & 2	2 & 3
Note: Pins designated should be in the closed position.						

CPU SPEED SELECTION (IBM 6X86)						
CPU speed	**Clock speed**	**Multiplier**	**JP12**	**JP14**	**JP15**	**JP27**
120MHz	50MHz	2x	1 & 2, 3 & 4, 5 & 6	2 & 3	1 & 2	2 & 3
133MHz	55MHz	2x	1 & 2, 3 & 4	2 & 3	1 & 2	2 & 3
150MHz	60MHz	2x	3 & 4, 5 & 6	2 & 3	1 & 2	2 & 3
166MHz	66MHz	2x	1 & 2, 5 & 6	2 & 3	1 & 2	2 & 3
Note: Pins designated should be in the closed position.						

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CPU SPEED SELECTION (CX 6X86L)						
CPU speed	**Clock speed**	**Multiplier**	**JP12**	**JP14**	**JP15**	**JP27**
150MHz	60MHz	2x	3 & 4, 5 & 6	2 & 3	1 & 2	2 & 3
166MHz	66MHz	2x	1 & 2, 5 & 6	2 & 3	1 & 2	2 & 3
Note: Pins designated should be in the closed position.						

CPU SPEED SELECTION (IBM 6X86L)						
CPU speed	**Clock speed**	**Multiplier**	**JP12**	**JP14**	**JP15**	**JP27**
150MHz	60MHz	2x	3 & 4, 5 & 6	2 & 3	1 & 2	2 & 3
166MHz	66MHz	2x	1 & 2, 5 & 6	2 & 3	1 & 2	2 & 3
Note: Pins designated should be in the closed position.						

CPU SPEED SELECTION (AM K5)						
CPU speed	**Clock speed**	**Multiplier**	**JP12**	**JP14**	**JP15**	**JP27**
75MHz	50MHz	1.5x	1 & 2, 3 & 4, 5 & 6	2 & 3	2 & 3	2 & 3
90MHz	60MHz	1.5x	3 & 4, 5 & 6	2 & 3	2 & 3	2 & 3
100MHz	66MHz	1.5x	1 & 2, 5 & 6	2 & 3	2 & 3	2 & 3
120MHz	60MHz	1.5x	3 & 4, 5 & 6	2 & 3	2 & 3	2 & 3
133MHz	66MHz	1.5x	1 & 2, 5 & 6	2 & 3	2 & 3	2 & 3
150MHz	60MHz	1.75x	3 & 4, 5 & 6	1 & 2	1 & 2	2 & 3
166MHz	66MHz	1.75x	1 & 2, 5 & 6	1 & 2	1 & 2	2 & 3
Note: Pins designated should be in the closed position.						

CPU SPEED SELECTION (AM K5)						
CPU speed	**Clock speed**	**Multiplier**	**JP12**	**JP14**	**JP15**	**JP27**
166MHz	66MHz	2.5x	1 & 2, 5 & 6	1 & 2	1 & 2	2 & 3
200MHz	66MHz	3x	1 & 2, 5 & 6	1 & 2	2 & 3	2 & 3
233MHz	66MHz	3.5x	1 & 2, 5 & 6	2 & 3	2 & 3	2 & 3
266MHz	66MHz	4x	1 & 2, 5 & 6	2 & 3	1 & 2	1 & 2
Note: Pins designated should be in the closed position.						

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CPU SPEED SELECTION (INTEL)						
CPU speed	**Clock speed**	**Multiplier**	**JP12**	**JP14**	**JP15**	**JP27**
75MHz	50MHz	1.5x	1 & 2, 3 & 4, 5 & 6	2 & 3	2 & 3	2 & 3
90MHz	60MHz	1.5x	3 & 4, 5 & 6	2 & 3	2 & 3	2 & 3
100MHz	66MHz	1.5x	1 & 2, 5 & 6	2 & 3	2 & 3	2 & 3
120MHz	60MHz	2x	3 & 4, 5 & 6	2 & 3	1 & 2	2 & 3
133MHz	66MHz	2x	1 & 2, 5 & 6	2 & 3	1 & 2	2 & 3
150MHz	60MHz	2.5x	3 & 4, 5 & 6	1 & 2	1 & 2	2 & 3
166MHz	66MHz	2.5x	1 & 2, 5 & 6	1 & 2	1 & 2	2 & 3
200MHz	66MHz	3x	1 & 2, 5 & 6	1 & 2	2 & 3	2 & 3
Note: Pins designated should be in the closed position.						

CPU SPEED SELECTION (INTEL MMX)						
CPU speed	**Clock speed**	**Multiplier**	**JP12**	**JP14**	**JP15**	**JP27**
150MHz	60MHz	2.5x	3 & 4, 5 & 6	1 & 2	1 & 2	2 & 3
166MHz	66MHz	2.5x	1 & 2, 5 & 6	1 & 2	1 & 2	2 & 3
200MHz	66MHz	3x	1 & 2, 5 & 6	1 & 2	2 & 3	2 & 3
233MHz	66MHz	3.5x	1 & 2, 5 & 6	2 & 3	2 & 3	2 & 3
Note: Pins designated should be in the closed position.						

CPU VOLTAGE SELECTION (SINGLE)		
Voltage	**JP24**	**JP25**
3.3v	Pins 3 & 4, 5 & 6 closed	Pins 3 & 5, 4 & 6 closed
3.52v	Pins 1 & 3, 5 & 6 closed	Pins 3 & 5, 4 & 6 closed

CPU VOLTAGE SELECTION (DUAL)		
V core	**JP24**	**JP25**
2.8v	Pins 5 & 6 closed	Pins 1 & 3, 2 & 4 closed
2.9v	Pins 1 & 2, 5 & 6 closed	Pins 1 & 3, 2 & 4 closed
3.2v	Pins 3 & 4 closed	Pins 1 & 3, 2 & 4 closed