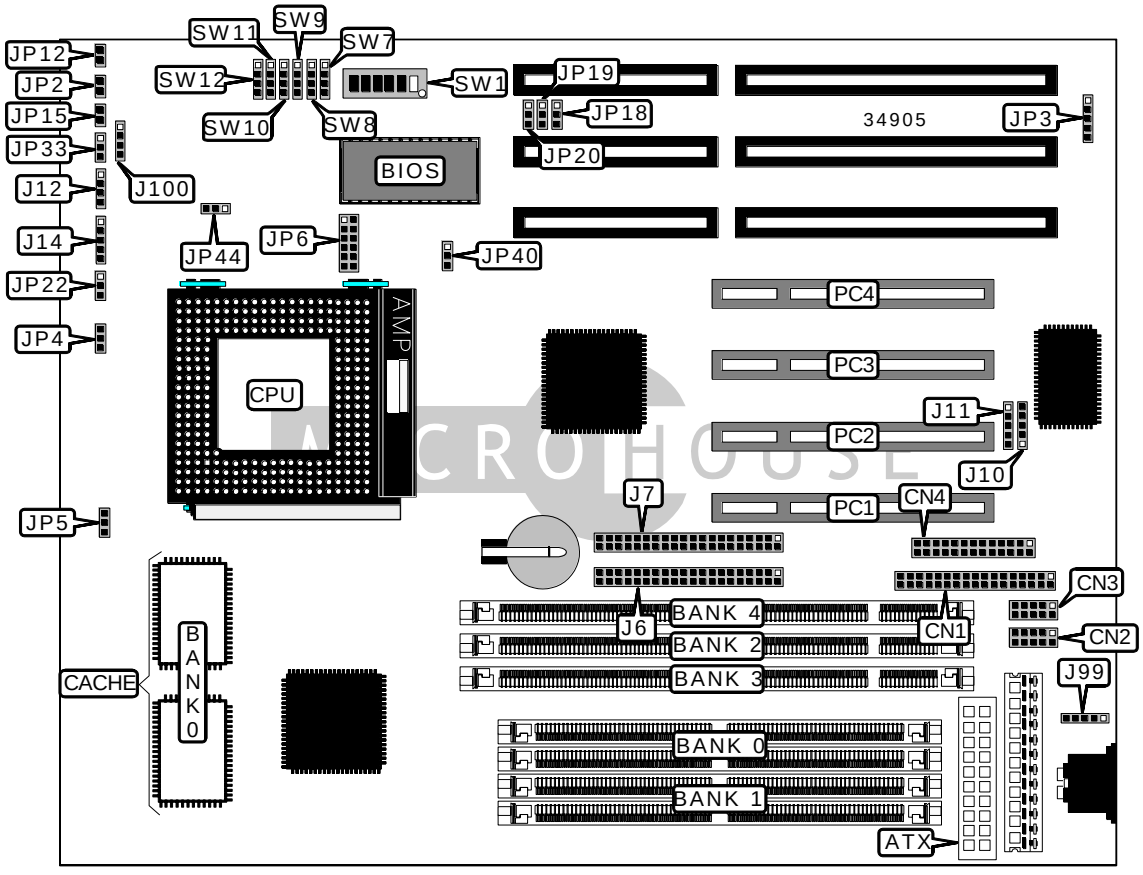
SHUTTLE COMPUTER INTERNATIONAL, INC.
H O T - 5 6 9 (V E R . 2 . 0)

Device Type	Mainboard
Processor	CX 6X86/IBM 6X86/CX 6X86L/IBM 6X86L/CX 686MX/IBM 6X86MX/ 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	256MB (EDO & SDRAM supported)
Maximum Video Memory	None
Cache	512KB
BIOS	Award
Dimensions	280mm x 220mm
I/O Options	32-bit PCI slots (4), floppy drive interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse interface, 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	PS/2 mouse interface	J99
Floppy drive interface	CN1	Soft off power supply	JP2
Serial port 1	CN2	IR connector	JP3
Serial port 2	CN3	Chassis fan power	JP4
Parallel port	CN4	Chassis fan power	JP5
IDE interface 1	J6	EISCA cooler connector	JP6
IDE interface 2	J7	Reset switch	JP12
USB connector	J10	Green PC connector	JP15
USB connector	J11	IDE interface LED	JP22
Speaker	J12	Green PC LED	JP33
Power LED & keylock	J14	32-bit PCI slots	PC1 – PC4

USER CONFIGURABLE SETTINGS		
Function	**Label**	**Position**
í Factory configured - do not alter	J100	Unidentified
í Factory configured - do not alter	JP18	Unidentified
Flash BIOS voltage select 12v	JP19	Pins 1 & 2 closed
Flash BIOS voltage select 5v	JP19	Pins 2 & 3 closed
í Factory configured - do not alter	JP20	Unidentified
í CMOS memory normal operation	JP40	Pins 1 & 2 closed
CMOS memory clear	JP40	Pins 2 & 3 closed
í Factory configured - do not alter	JP44	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
128MB	(2) 16M x 36	None
136MB	(2) 16M x 36	(2) 1M x 36
144MB	(2) 16M x 36	(2) 2M x 36
160MB	(2) 16M x 36	(2) 4M x 36
192MB	(2) 16M x 36	(2) 8M x 36
256MB	(2) 16M x 36	(2) 16M x 36
Note: Board accepts EDO memory.		

DIMM CONFIGURATION			
Size	**Bank 2**	**Bank 3**	**Bank 4**
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

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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
Note: Board accepts SDRAM memory.			

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

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CPU SPEED SELECTION (CX 6X86)								
CPU speed	**Clock speed**	**Multiplier**	**SW1/1**	**SW1/2**	**SW1/3**	**SW1/4**	**SW1/5**	**SW1/6**
120MHz	50MHz	2x	On	On	On	On	Off	Off
133MHz	55MHz	2x	On	On	Off	On	Off	Off
150MHz	60MHz	2x	On	Off	Off	On	Off	Off
166MHz	66MHz	2x	Off	Off	Off	On	Off	Off

CPU SPEED SELECTION (IBM 6X86)								
CPU speed	**Clock speed**	**Multiplier**	**SW1/1**	**SW1/2**	**SW1/3**	**SW1/4**	**SW1/5**	**SW1/6**
120MHz	50MHz	2x	On	On	On	On	Off	Off
133MHz	55MHz	2x	On	On	Off	On	Off	Off
150MHz	60MHz	2x	On	Off	Off	On	Off	Off
166MHz	66MHz	2x	Off	Off	Off	On	Off	Off

CPU SPEED SELECTION (CX 6X86L)								
CPU speed	**Clock speed**	**Multiplier**	**SW1/1**	**SW1/2**	**SW1/3**	**SW1/4**	**SW1/5**	**SW1/6**
166MHz	66MHz	2x	Off	Off	Off	On	Off	Off

CPU SPEED SELECTION (IBM 6X86L)								
CPU speed	**Clock speed**	**Multiplier**	**SW1/1**	**SW1/2**	**SW1/3**	**SW1/4**	**SW1/5**	**SW1/6**
166MHz	66MHz	2x	Off	Off	Off	On	Off	Off

CPU SPEED SELECTION (CX 6X86MX)								
CPU speed	**Clock speed**	**Multiplier**	**SW1/1**	**SW1/2**	**SW1/3**	**SW1/4**	**SW1/5**	**SW1/6**
166MHz	60MHz	2.5x	On	Off	Off	On	On	Off
200MHz	66MHz	2.5x	Off	Off	Off	On	On	Off
233MHz	66MHz	3x	Off	Off	Off	Off	On	Off
266MHz	66MHz	3.5x	Off	Off	Off	Off	Off	Off

CPU SPEED SELECTION (IBM 6X86MX)								
CPU speed	**Clock speed**	**Multiplier**	**SW1/1**	**SW1/2**	**SW1/3**	**SW1/4**	**SW1/5**	**SW1/6**
166MHz	60MHz	2.5x	On	Off	Off	On	On	Off
200MHz	66MHz	2.5x	Off	Off	Off	On	On	Off
233MHz	66MHz	3x	Off	Off	Off	Off	On	Off
266MHz	66MHz	3.5x	Off	Off	Off	Off	Off	Off

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CPU SPEED SELECTION (AM K5)								
CPU speed	**Clock speed**	**Multiplier**	**SW1/1**	**SW1/2**	**SW1/3**	**SW1/4**	**SW1/5**	**SW1/6**
75MHz	50MHz	1.5x	On	On	On	Off	Off	Off
90MHz	60MHz	1.5x	On	Off	Off	Off	Off	Off
100MHz	66MHz	1.5x	Off	Off	Off	Off	Off	Off
120MHz	60MHz	1.5x	On	Off	Off	Off	Off	Off
133MHz	66MHz	1.5x	Off	Off	Off	Off	Off	Off
166MHz	66MHz	2.5x	Off	Off	Off	On	On	Off

CPU SPEED SELECTION (AM K6)								
CPU speed	**Clock speed**	**Multiplier**	**SW1/1**	**SW1/2**	**SW1/3**	**SW1/4**	**SW1/5**	**SW1/6**
166MHz	66MHz	2.5x	Off	Off	Off	On	On	Off
200MHz	66MHz	3x	Off	Off	Off	Off	On	Off
233MHz	66MHz	3.5x	Off	Off	Off	Off	Off	Off
266MHz	66MHz	4x	Off	Off	Off	On	Off	On

CPU SPEED SELECTION (INTEL)								
CPU speed	**Clock speed**	**Multiplier**	**SW1/1**	**SW1/2**	**SW1/3**	**SW1/4**	**SW1/5**	**SW1/6**
75MHz	50MHz	1.5x	On	On	On	Off	Off	Off
90MHz	60MHz	1.5x	On	Off	Off	Off	Off	Off
100MHz	66MHz	1.5x	Off	Off	Off	Off	Off	Off
120MHz	60MHz	2x	On	Off	Off	On	Off	Off
133MHz	66MHz	2x	Off	Off	Off	On	Off	Off
150MHz	60MHz	2.5x	On	Off	Off	On	On	Off
166MHz	66MHz	2.5x	Off	Off	Off	On	On	Off
200MHz	66MHz	3x	Off	Off	Off	Off	On	Off

CPU SPEED SELECTION (INTEL MMX)								
CPU speed	**Clock speed**	**Multiplier**	**SW1/1**	**SW1/2**	**SW1/3**	**SW1/4**	**SW1/5**	**SW1/6**
166MHz	66MHz	2.5x	Off	Off	Off	On	On	Off
200MHz	66MHz	3x	Off	Off	Off	Off	On	Off
233MHz	66MHz	3.5x	Off	Off	Off	Off	Off	Off

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CPU VOLTAGE SELECTION (SINGLE)						
Voltage	**SW7**	**SW8**	**SW9**	**SW10**	**SW11**	**SW12**
2.0v	3 & 4	3 & 4	3 & 4	3 & 4	3 & 4	3 & 4
2.1v	1 & 2, 3 & 4	3 & 4	3 & 4	3 & 4	3 & 4	3 & 4
2.2v	3 & 4	1 & 2, 3 & 4	3 & 4	3 & 4	3 & 4	3 & 4
2.3v	1 & 2, 3 & 4	1 & 2, 3 & 4	3 & 4	3 & 4	3 & 4	3 & 4
2.4v	3 & 4	3 & 4	1 & 2, 3 & 4	3 & 4	3 & 4	3 & 4
2.5v	1 & 2, 3 & 4	3 & 4	1 & 2, 3 & 4	3 & 4	3 & 4	3 & 4
2.6v	3 & 4	1 & 2, 3 & 4	1 & 2, 3 & 4	3 & 4	3 & 4	3 & 4
2.7v	1 & 2, 3 & 4	1 & 2, 3 & 4	1 & 2, 3 & 4	3 & 4	3 & 4	3 & 4
2.8v	3 & 4	3 & 4	3 & 4	1 & 2, 3 & 4	3 & 4	3 & 4
2.9v	1 & 2, 3 & 4	3 & 4	3 & 4	1 & 2, 3 & 4	3 & 4	3 & 4
3.0v	3 & 4	1 & 2, 3 & 4	3 & 4	1 & 2, 3 & 4	3 & 4	3 & 4
3.1v	1 & 2, 3 & 4	1 & 2, 3 & 4	3 & 4	1 & 2, 3 & 4	3 & 4	3 & 4
3.2v	3 & 4	3 & 4	1 & 2, 3 & 4	1 & 2, 3 & 4	3 & 4	3 & 4
3.3v	3 & 4	1 & 2, 3 & 4	1 & 2, 3 & 4	1 & 2, 3 & 4	3 & 4	3 & 4
3.4v	3 & 4	1 & 2, 3 & 4	1 & 2, 3 & 4	1 & 2, 3 & 4	3 & 4	3 & 4
3.52v	1 & 2, 3 & 4	1 & 2, 3 & 4	1 & 2, 3 & 4	1 & 2, 3 & 4	3 & 4	3 & 4
Note: Pins designated should be in the closed position.						

CPU VOLTAGE SELECTION (DUAL)				
Voltage	**V core**	**SW7**	**SW8**	**SW9**
Auto detect	Auto detect	2 & 3	2 & 3	2 & 3
3.3v	3.3v	3 & 4	1 & 2, 3 & 4	1 & 2, 3 & 4
3.3v	2.1v	1 & 2, 3 & 4	3 & 4	3 & 4
3.3v	3.2v	3 & 4	3 & 4	1 & 2, 3 & 4
3.3v	2.9v	1 & 2, 3 & 4	3 & 4	3 & 4
3.3v	2.8v	3 & 4	3 & 4	3 & 4
3.52v	3.52v	1 & 2, 3 & 4	1 & 2, 3 & 4	1 & 2, 3 & 4
Note: Pins designated should be in the closed position.				

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CPU VOLTAGE SELECTION (DUAL, CON'T)				
Voltage	**V core**	**SW10**	**SW11**	**SW12**
Auto detect	Auto detect	2 & 3	2 & 3	2 & 3
3.3v	3.3v	1 & 2, 3 & 4	3 & 4	3 & 4
3.3v	2.1v	3 & 4	3 & 4	3 & 4
3.3v	3.2v	1 & 2, 3 & 4	3 & 4	3 & 4
3.3v	2.9v	1 & 2, 3 & 4	3 & 4	3 & 4
3.3v	2.8v	1 & 2, 3 & 4	3 & 4	3 & 4
3.52v	3.52v	1 & 2, 3 & 4	3 & 4	3 & 4
Note: Pins designated should be in the closed position.				