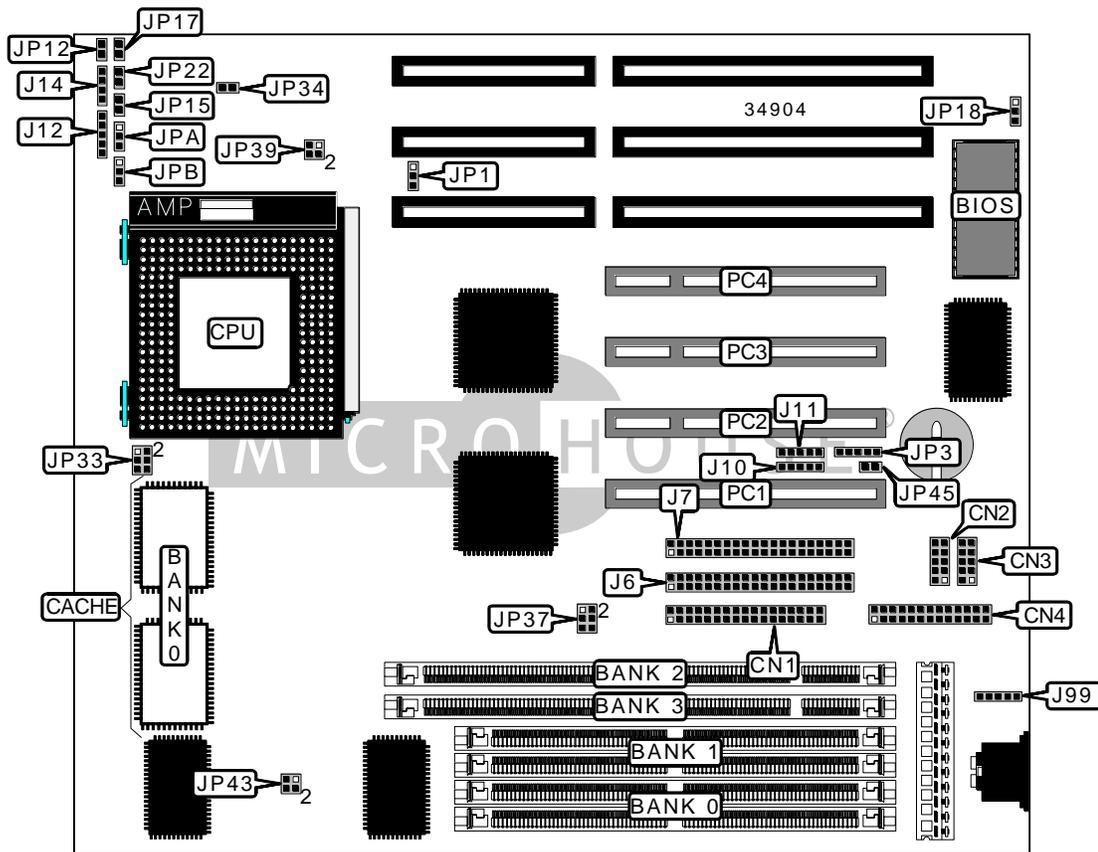


# SHUTTLE COMPUTER INTERNATIONAL, INC.

## HOT-555A

<b>Device Type</b>	Mainboard
<b>Processor</b>	CX 6X86/IBM 6X86/CX 6X86L/IBM 6X86L/AM K5/Pentium
<b>Processor Speed</b>	75/90/100/120/125/133/150/166/180/200MHz
<b>Chip Set</b>	Intel
<b>Video Chip Set</b>	None
<b>Maximum Onboard Memory</b>	128MB (EDO & SDRAM supported)
<b>Maximum Video Memory</b>	None
<b>Cache</b>	256/512KB
<b>BIOS</b>	Award
<b>Dimensions</b>	230mm x 220mm
<b>I/O Options</b>	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)
<b>NPU Options</b>	None



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CONNECTIONS			
Purpose	Location	Purpose	Location
Floppy drive interface	CN1	Power LED & keylock	J14
Serial port 1	CN2	PS/2 mouse interface	J99
Serial port 2	CN3	Chassis fan power	JP1
Parallel port	CN4	IR connector	JP3
IDE interface 1	J6	Reset switch	JP12
IDE interface 2	J7	Green PC connector	JP15
USB connector	J10	Green PC LED	JP17
USB connector	J11	IDE interface LED	JP22
Speaker	J12	32-bit PCI slots	PC1 – PC4

USER CONFIGURABLE SETTINGS		
Function	Label	Position
Flash BIOS voltage select 12v	JP18	Pins 1 & 2 closed
Flash BIOS voltage select 5v	JP18	Pins 2 & 3 closed
CMOS memory normal operation	JP45	Closed
CMOS memory clear	JP45	Open

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
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.

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DIMM CONFIGURATION		
Size	Bank 2	Bank 3
8MB	(1) 1M x 64	None
16MB	(1) 2M x 64	None
16MB	(1) 1M x 64	(1) 1M x 64
24MB	(1) 2M x 64	(1) 1M x 64
32MB	(1) 4M x 64	None
32MB	(1) 2M x 64	(1) 2M x 64
40MB	(1) 4M x 64	(1) 1M x 64
48MB	(1) 4M x 64	(1) 2M x 64
64MB	(1) 8M x 64	None
64MB	(1) 4M x 64	(1) 4M x 64
72MB	(1) 8M x 64	(1) 1M x 64
80MB	(1) 8M x 64	(1) 2M x 64
96MB	(1) 8M x 64	(1) 4M x 64
128MB	(1) 8M x 64	(1) 8M x 64

Note: Board accepts SDRAM memory.

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	JPA	JPB	JP37
120MHz	50MHz	2x	1 & 2	2 & 3	1 & 2, 3 & 4, 5 & 6
133MHz	55MHz	2x	1 & 2	2 & 3	3 & 4, 5 & 6
150MHz	60MHz	2x	1 & 2	2 & 3	1 & 2, 3 & 4
166MHz	66MHz	2x	1 & 2	2 & 3	1 & 2, 5 & 6

Note: Pins designated should be in the closed position.

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CPU SPEED SELECTION (IBM 6X86)					
CPU speed	Clock speed	Multiplier	JPA	JPB	JP37
120MHz	50MHz	2x	1 & 2	2 & 3	1 & 2, 3 & 4, 5 & 6
133MHz	55MHz	2x	1 & 2	2 & 3	3 & 4, 5 & 6
150MHz	60MHz	2x	1 & 2	2 & 3	1 & 2, 3 & 4
166MHz	66MHz	2x	1 & 2	2 & 3	1 & 2, 5 & 6

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (CX 6X86L)					
CPU speed	Clock speed	Multiplier	JPA	JPB	JP37
120MHz	50MHz	2x	1 & 2	2 & 3	1 & 2, 3 & 4, 5 & 6
133MHz	55MHz	2x	1 & 2	2 & 3	3 & 4, 5 & 6
150MHz	60MHz	2x	1 & 2	2 & 3	1 & 2, 3 & 4
166MHz	66MHz	2x	1 & 2	2 & 3	1 & 2, 5 & 6

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (IBM 6X86L)					
CPU speed	Clock speed	Multiplier	JPA	JPB	JP37
120MHz	50MHz	2x	1 & 2	2 & 3	1 & 2, 3 & 4, 5 & 6
133MHz	55MHz	2x	1 & 2	2 & 3	3 & 4, 5 & 6
150MHz	60MHz	2x	1 & 2	2 & 3	1 & 2, 3 & 4
166MHz	66MHz	2x	1 & 2	2 & 3	1 & 2, 5 & 6

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K5)					
CPU speed	Clock speed	Multiplier	JPA	JPB	JP37
75MHz	50MHz	1.5x	2 & 3	2 & 3	1 & 2, 3 & 4, 5 & 6
90MHz	60MHz	1.5x	2 & 3	2 & 3	1 & 2, 3 & 4
100MHz	66MHz	1.5x	2 & 3	2 & 3	1 & 2, 5 & 6
120MHz	60MHz	1.5x	2 & 3	2 & 3	1 & 2, 3 & 4
133MHz	66MHz	1.5x	2 & 3	2 & 3	1 & 2, 5 & 6
150MHz	60MHz	1.75x	1 & 2	1 & 2	1 & 2, 3 & 4
166MHz	66MHz	1.75x	1 & 2	1 & 2	1 & 2, 5 & 6
200MHz	66MHz	2x	1 & 2	2 & 3	1 & 2, 5 & 6

Note: Pins designated should be in the closed position.

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CPU SPEED SELECTION (INTEL)					
CPU speed	Clock speed	Multiplier	JPA	JPB	JP37
75MHz	50MHz	1.5x	2 & 3	2 & 3	1 & 2, 3 & 4, 5 & 6
90MHz	60MHz	1.5x	2 & 3	2 & 3	1 & 2, 3 & 4
100MHz	66MHz	1.5x	2 & 3	2 & 3	1 & 2, 5 & 6
120MHz	60MHz	2x	1 & 2	2 & 3	1 & 2, 3 & 4
125MHz	50MHz	2.5x	1 & 2	1 & 2	1 & 2, 3 & 4, 5 & 6
133MHz	66MHz	2x	1 & 2	2 & 3	1 & 2, 5 & 6
150MHz	60MHz	2.5x	1 & 2	1 & 2	1 & 2, 3 & 4
166MHz	66MHz	2.5x	1 & 2	1 & 2	1 & 2, 5 & 6
180MHz	60MHz	3x	2 & 3	1 & 2	1 & 2, 3 & 4
200MHz	66MHz	3x	2 & 3	1 & 2	1 & 2, 5 & 6

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL MMX)					
CPU speed	Clock speed	Multiplier	JPA	JPB	JP37
166MHz	66MHz	2.5x	1 & 2	1 & 2	1 & 2, 5 & 6
200MHz	66MHz	3x	2 & 3	1 & 2	1 & 2, 5 & 6

Note: Pins designated should be in the closed position.

CPU VOLTAGE SELECTION				
Voltage	JP33	JP34	JP39	JP43
2.8v	Open	Closed	Open	Pins 1 & 2 closed
2.9v	Open	Closed	Pins 2 & 4 closed	Pins 1 & 2 closed
3.1v	Open	Closed	Pins 3 & 4 closed	Pins 1 & 2 closed
3.3v	Open	Closed	Pins 1 & 3 closed	Pins 1 & 2 closed
3.5v	Open	Closed	Pins 1 & 3, 2 & 4 closed	Pins 1 & 2 closed

CPU VOLTAGE SELECTION (DUAL)					
Voltage	V core	JP33	JP34	JP39	JP43
3.3v	2.8v	3 & 4, 5 & 6	Open	Open	1 & 2
3.3v	2.9v	3 & 4, 5 & 6	Open	2 & 4	1 & 2
3.3v	3.1v	3 & 4, 5 & 6	Open	3 & 4	1 & 2
3.4v	2.8v	3 & 4, 5 & 6	Open	Open	2 & 4
3.4v	2.9v	3 & 4, 5 & 6	Open	2 & 4	2 & 4
3.4v	3.1v	3 & 4, 5 & 6	Open	3 & 4	2 & 4

Note: Pins designated should be in the closed position.