SHUTTLE COMPUTER INTERNATIONAL, INC.

HOT-591

Configuration
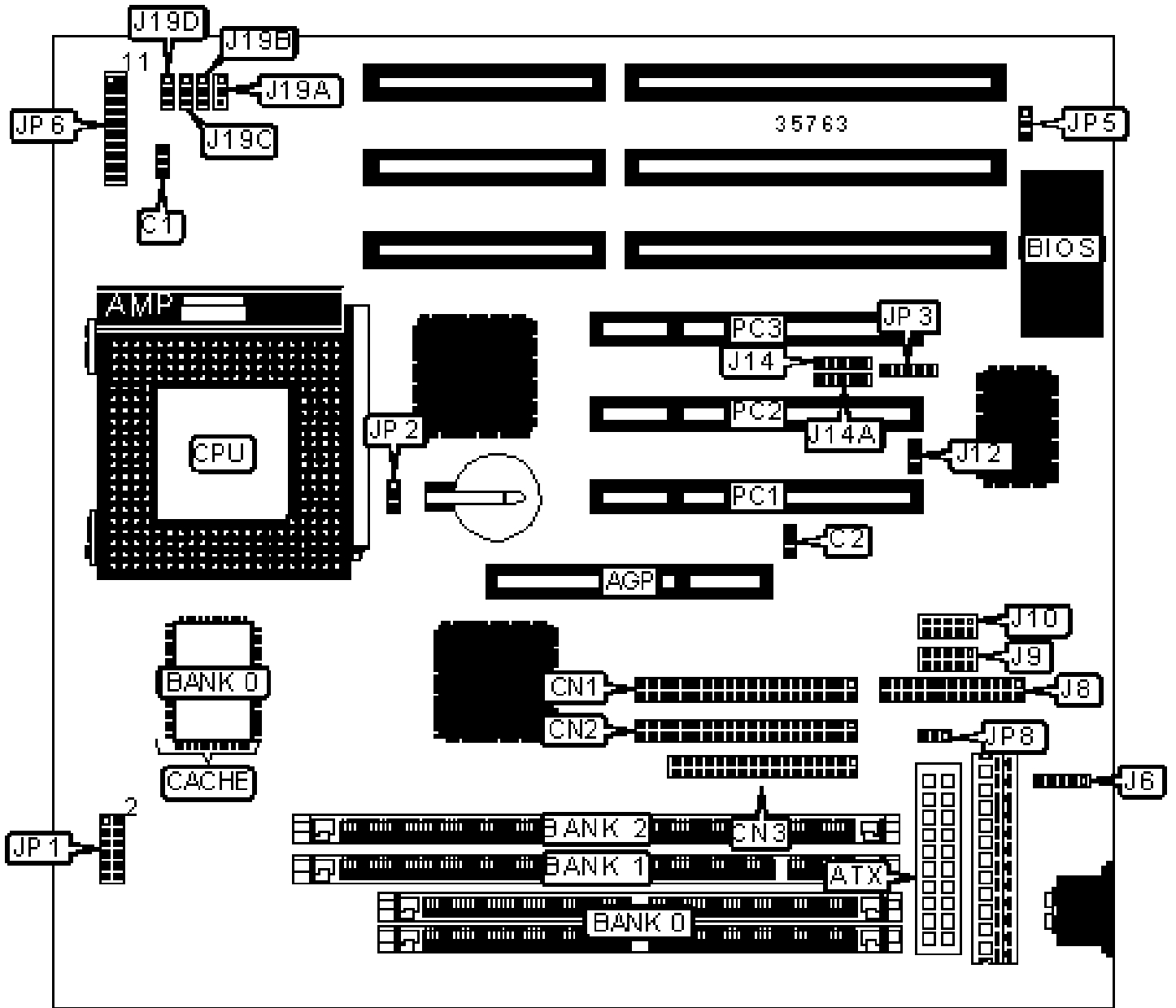
CONNECTIONS

Purpose	Location	Purpose	Location
AGP slot	AGP	USB connector 1	J14
ATX power connector	ATX	USB connector 2	J14A
CPU fan power	C1	IR connector	JP3
Chassis fan power	C2	Reset switch	JP6/pins 1 & 2
IDE interface 2	CN1	IDE interface LED	JP6/pins 3 & 4
IDE interface 1	CN2	Green PC LED	JP6/pins 5 & 6
Floppy drive interface	CN3	Green PC connector	JP6/pins 7 & 8
PS/2 mouse interface	J6	Soft off power supply	JP6/pins 9 & 10
Parallel port	J8	Speaker	JP6/pins 11 - 15
Serial port 2	J9	Power LED & keylock	JP6/pins 17 - 20
Serial port 1	J10	32-bit PCI slots	PC1 – PC3
Wake on LAN connector	J12		

USER CONFIGURABLE SETTINGS

	Function	Label	Position
»	CMOS memory normal operation	JP2	Pins 1 & 2 closed
	CMOS memory clear	JP2	Pins 2 & 3 closed
	Flash BIOS voltage select 12v	JP5	Pins 2 & 3 closed
	Flash BIOS voltage select 5v	JP5	Pins 1 & 2 closed
	Power supply select AT	JP8	Pins 1 & 2 closed
	Power supply select ATX	JP8	Pins 2 & 3 closed

SIMM CONFIGURATION

Size	Bank 0

8MB	(2) 1M x 36
16MB	(2) 2M x 36
32MB	(2) 4M x 36
64MB	(2) 8M x 36
128MB	(2) 16M x 36
Note: Board accepts EDO memory.	

DIMM CONFIGURATION		
Size	Bank 0	Bank 1
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) 16M x 64	None
128MB	(1) 8M x 64	(1) 8M x 64
136MB	(1) 16M x 64	(1) 1M x 64
144MB	(1) 16M x 64	(1) 2M x 64

160MB	(1) 16M x 64	(1) 4M x 64
192MB	(1) 16M x 64	(1) 8M x 64
256MB	(1) 16M x 64	(1) 16M x 64
Note: Board accepts SDRAM memory.		

CACHE CONFIGURATION	
Size	Bank 0
512KB	(1) 64K x 64

CPU SPEED SELECTION (CX 6X86)			
CPU speed	Clock speed	Multiplier	JP1
120MHz	50MHz	2x	1 & 2, 3 & 4, 5 & 6, 7 & 8
150MHz	60MHz	2x	3 & 4, 5 & 6, 7 & 8
166MHz	66MHz	2x	1 & 2, 5 & 6, 7 & 8
Note: Pins designated should be in the closed position.			

CPU SPEED SELECTION (IBM 6X86)			
CPU speed	Clock speed	Multiplier	JP1
120MHz	50MHz	2x	1 & 2, 3 & 4, 5 & 6, 7 & 8
150MHz	60MHz	2x	3 & 4, 5 & 6, 7 & 8
166MHz	66MHz	2x	1 & 2, 5 & 6, 7 & 8
Note: Pins designated should be in the closed position.			

CPU SPEED SELECTION (CX 6X86L)			
CPU speed	Clock speed	Multiplier	JP1
150MHz	60MHz	2x	3 & 4, 5 & 6, 7 & 8

166MHz	66MHz	2x	1 & 2, 5 & 6, 7 & 8

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (IBM 6X86L)

CPU speed	Clock speed	Multiplier	JP1
150MHz	60MHz	2x	3 & 4, 5 & 6, 7 & 8
166MHz	66MHz	2x	1 & 2, 5 & 6, 7 & 8

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (CX 6X86MX)

CPU speed	Clock speed	Multiplier	JP1
166MHz	66MHz	2.5x	3 & 4, 5 & 6, 7 & 8, 9 & 10
200MHz	66MHz	3x	1 & 2, 5 & 6, 7 & 8, 9 & 10
233MHz	66MHz	3.5x	1 & 2, 5 & 6, 9 & 10
266MHz	66MHz	4x	1 & 2, 5 & 6

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (IBM 6X86MX)

CPU speed	Clock speed	Multiplier	JP1
166MHz	66MHz	2.5x	3 & 4, 5 & 6, 7 & 8, 9 & 10
200MHz	66MHz	3x	1 & 2, 5 & 6, 7 & 8, 9 & 10
233MHz	66MHz	3.5x	1 & 2, 5 & 6, 9 & 10
266MHz	66MHz	4x	1 & 2, 5 & 6

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (IDT C6)

CPU speed	Clock speed	Multiplier	JP1
150MHz	60MHz	2.5x	3 & 4, 5 & 6, 7 & 8, 9 & 10
180MHz	60MHz	3x	3 & 4, 5 & 6, 9 & 10
200MHz	66MHz	3x	1 & 2, 5 & 6, 9 & 10
Note: Pins designated should be in the closed position.			

CPU SPEED SELECTION (AM K5)			
CPU speed	Clock speed	Multiplier	JP1
75MHz	50MHz	1.5x	1 & 2, 3 & 4, 5 & 6
90MHz	60MHz	1.5x	3 & 4, 5 & 6
100MHz	66MHz	1.5x	1 & 2, 5 & 6
120MHz	60MHz	2x	3 & 4, 5 & 6
133MHz	66MHz	2x	1 & 2, 5 & 6
166MHz	66MHz	2.5x	1 & 2, 5 & 6, 7 & 8, 9 & 10
Note: Pins designated should be in the closed position.			

CPU SPEED SELECTION (AM K6)			
CPU speed	Clock speed	Multiplier	JP1
166MHz	66MHz	2.5x	1 & 2, 5 & 6, 7 & 8, 9 & 10
200MHz	66MHz	3x	1 & 2, 5 & 6, 9 & 10
233MHz	66MHz	3.5x	1 & 2, 5 & 6
266MHz	66MHz	4x	1 & 2, 5 & 6, 7 & 8, 11 & 12
Note: Pins designated should be in the closed position.			

CPU SPEED SELECTION (INTEL)			
CPU speed	Clock speed	Multiplier	JP1

CPU speed	Clock speed	Multiplier	JP1
75MHz	50MHz	1.5x	1 & 2, 3 & 4, 5 & 6
90MHz	60MHz	1.5x	3 & 4, 5 & 6
100MHz	66MHz	1.5x	1 & 2, 5 & 6
120MHz	60MHz	2x	3 & 4, 5 & 6, 7 & 8
133MHz	66MHz	2x	1 & 2, 5 & 6, 7 & 8
150MHz	60MHz	2.5x	3 & 4, 5 & 6, 7 & 8, 9 & 10
166MHz	66MHz	2.5x	1 & 2, 5 & 6, 7 & 8, 9 & 10
200MHz	66MHz	3x	1 & 2, 5 & 6, 9 & 10
Note: Pins designated should be in the closed position.			

CPU SPEED SELECTION (INTEL MMX)

CPU speed	Clock speed	Multiplier	JP1
166MHz	66MHz	2.5x	1 & 2, 5 & 6, 7 & 8, 9 & 10
200MHz	66MHz	3x	1 & 2, 5 & 6, 9 & 10
233MHz	66MHz	3.5x	1 & 2, 5 & 6
Note: Pins designated should be in the closed position.			

CPU VOLTAGE SELECTION

Voltage	J19A	J19B	J19C	J19D
Auto	Pins 2 & 3 closed	Pins 2 & 3 closed	Pins 2 & 3 closed	Pins 2 & 3 closed
2.0v	Open	Open	Open	Open
2.1v	Pins 1 & 2 closed	Open	Open	Open
2.2v	Open	Pins 1 & 2 closed	Open	Open
2.3v	Pins 1 & 2 closed	Pins 1 & 2 closed	Open	Open
2.4v	Open	Open	Pins 1 & 2 closed	Open
2.5v	Pins 1 & 2 closed	Open	Pins 1 & 2 closed	Open

2.6v	Open	Pins 1 & 2 closed	Pins 1 & 2 closed	Open
2.7v	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed	Open
2.8v	Open	Open	Open	Pins 1 & 2 closed
2.9v	Pins 1 & 2 closed	Open	Open	Pins 1 & 2 closed
3.0v	Open	Pins 1 & 2 closed	Open	Pins 1 & 2 closed
3.1v	Pins 1 & 2 closed	Pins 1 & 2 closed	Open	Pins 1 & 2 closed
3.2v	Open	Open	Pins 1 & 2 closed	Pins 1 & 2 closed
3.3v	Pins 1 & 2 closed	Open	Pins 1 & 2 closed	Pins 1 & 2 closed
3.4v	Open	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
3.52v	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed