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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	305mm x 244mm
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
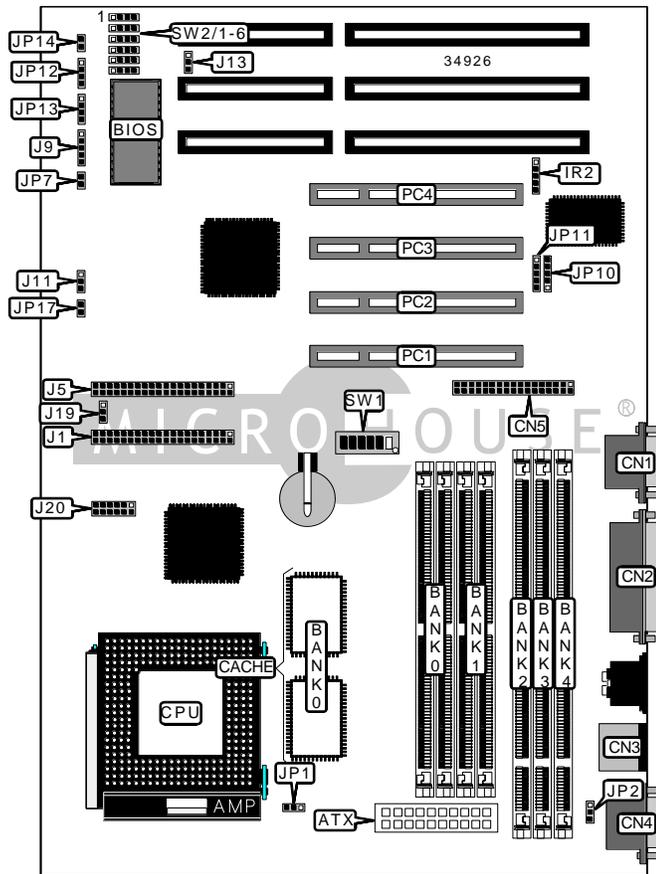
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CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
ATX power connector	ATX	CPU fan power	JP1
Serial port 2	CN1	Chassis fan power	JP2
Parallel port	CN2	Soft off power supply	JP7
PS/2 mouse port	CN3	USB connector 1	JP10
Serial port 1	CN4	USB connector 2	JP11
Floppy drive interface	CN5	Speaker	JP12
IR connector	IR2	Green PC/green LED connector	JP13
IDE interface 2	J1	Reset switch	JP14
IDE interface 1	J5	IDE interface LED	JP17
Power LED & keylock	J9	32-bit PCI slots	PC1 – PC4
EISCA cooler connector	J20		

USER CONFIGURABLE SETTINGS		
Function	**Label**	**Position**
í Factory configured - do not alter	J11	Unidentified
Flash BIOS voltage select 12v	J13	Pins 1 & 2 closed
Flash BIOS voltage select 5v	J13	Pins 2 & 3 closed
í CMOS memory normal operation	J19	Pins 1 & 2 closed
CMOS memory clear	J19	Pins 2 & 3 closed

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

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SIMM CONFIGURATION (CON'T)		
Size	**Bank 0**	**Bank 1**
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
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

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DIMM CONFIGURATION (CON'T)			
Size	**Bank 0**	**Bank 1**	**Bank 2**
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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H O T - 5 6 7

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	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
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	1 & 2, 3 & 4	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	SW1/1	SW1/2	SW1/3
Auto detect	Auto detect	2 & 3	2 & 3	2 & 3
3.3v	3.3v	1 & 2, 3 & 4	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.				

SHUTTLE COMPUTER INTERNATIONAL, INC.
H O T - 5 6 7

CPU VOLTAGE SELECTION (DUAL, CON'T)				
Voltage	**V core**	**SW1/4**	**SW1/5**	**SW1/6**
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.				