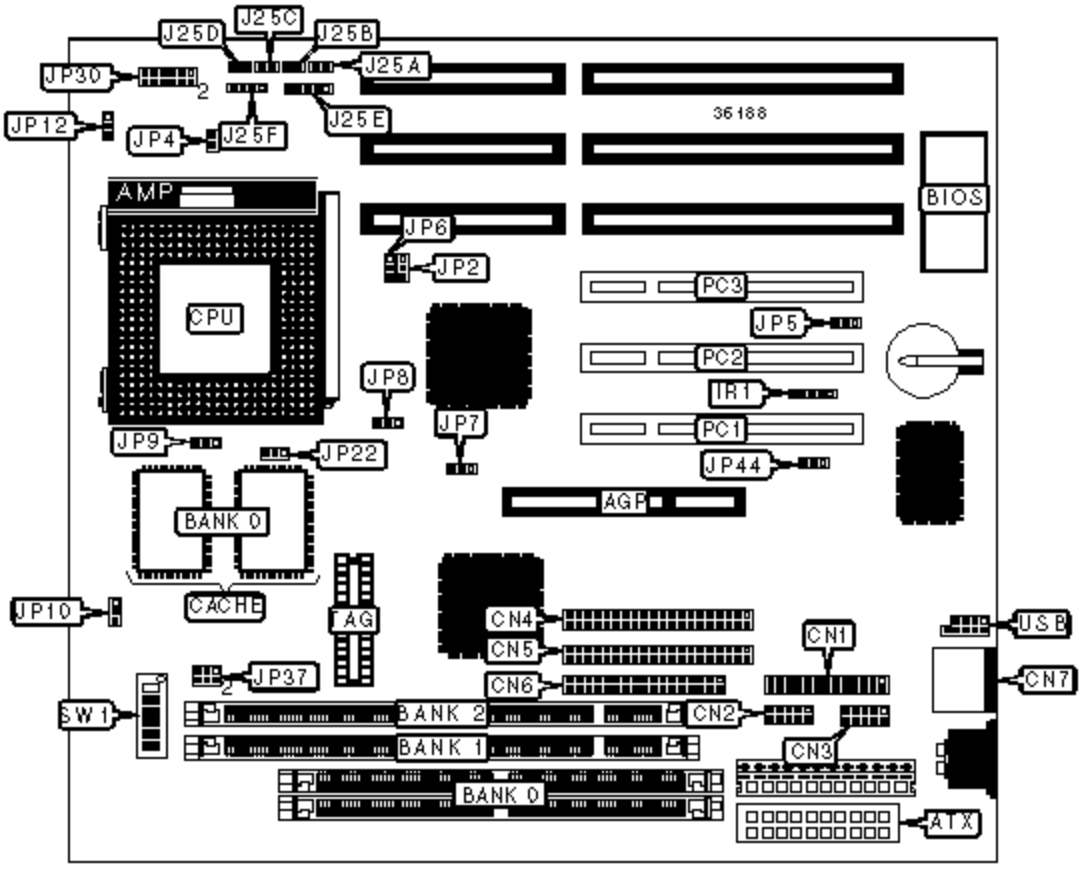
SURIA COMPUTER CORPORATION

SC-5EHM

Device Type	Mainboard
Processor	CX 6X86/CX 6X86L/CX 686MX/AM K5/AM K6/ AM K6-2/Pentium/Pentium MMX
Processor Speed	90/100/120/133/150/166/180/200/233/250/266Hz
Chip Set	ETEQ
Maximum Onboard Memory	256MB (EDO & SDRAM supported)
Cache	1024KB
BIOS	Unidentified
Dimensions	254mm x 218mm
I/O Options	32-bit PCI slots (3), floppy drive interface, IDE interfaces (2), parallel port, PS/2 mouse interface, serial ports (2), IR connector, USB connector, ATX power connector, AGP slot, wake on LAN connector



CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
AGP slot	AGP	Reset switch	J25A
ATX power connector	ATX	Soft off power supply	J25B
Parallel port	CN1	Turbo LED	J25C
Serial port 1	CN2	IDE interface LED	J25D
Serial port 2	CN3	Power LED & keylock	J25E
	CN4		J25F

IDE interface 1	CN4	Speaker	J25F
IDE interface 2	CN5	CPU fan power	JP12
Floppy drive interface	CN6	Wake on LAN connector	JP44
PS/2 mouse interface	CN7	32-bit PCI slots	PC1 – PC3
IR connector	IR1	USB connector	USB

USER CONFIGURABLE SETTINGS			
Function		**Label**	**Position**
	CPU voltage select auto	JP4	Closed
	CPU voltage select manual	JP4	Open
»	CMOS memory normal operation	JP5	Pins 1 & 2 closed
	CMOS memory clear	JP5	Pins 2 & 3 closed
	CPU burst mode select interleave	JP22	Pins 1 & 2 closed
	CPU burst mode select linear	JP22	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
Note: Board accepts EDO memory.	

DIMM CONFIGURATION		
Size	**Bank 1**	**Bank 2**
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 EDO & SDRAM memory.		

DIMM VOLTAGE CONFIGURATION	
Voltage	**JP37**
» 3.3v	Pins 1 & 3, 2 & 4 closed
5v	Pins 3 & 5, 4 & 6 closed

DIMM FREQUENCY CONFIGURATION		
Frequency	**JP9**	**JP10**
» SDRAM = CPU	Pins 2 & 3 closed	Pins 1 & 2 closed
SDRAM = AGP	Pins 1 & 2 closed	Pins 2 & 3 closed

CACHE CONFIGURATION		
Size	**Bank 0**	**TAG**

512KB	(2) 32K x 64	(1) 16K x 8
1MB	(2) 64K x 64	(1) 16K x 8

CPU SPEED SELECTION (CX 6X86)								
CPU speed	**Clock speed**	**Multiplier**	**SW1/1**	**SW1/2**	**SW1/3**	**SW1/4**	**SW1/5**	**SW1/6**
150MHz	60MHz	2x	On	Off	Off	On	Off	Off
166MHz	66MHz	2x	On	Off	Off	Off	Off	Off
200MHz	75MHz	2x	On	Off	Off	Off	On	Off

CPU SPEED SELECTION (CX 6X86L)								
CPU speed	**Clock speed**	**Multiplier**	**SW1/1**	**SW1/2**	**SW1/3**	**SW1/4**	**SW1/5**	**SW1/6**
150MHz	60MHz	2x	On	Off	Off	On	Off	Off
166MHz	66MHz	2x	On	Off	Off	Off	Off	Off
200MHz	75MHz	2x	On	Off	Off	Off	On	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	On	Off	On	Off	Off
200MHz	66MHz	2.5x	On	On	Off	On	Off	Off
200MHz	75MHz	2x	On	Off	Off	Off	On	Off
233MHz	75MHz	2.5x	On	On	Off	Off	On	Off
233MHz	66MHz	3x	Off	On	Off	On	Off	Off
266MHz	83MHz	2.5x	On	On	Off	On	On	Off

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

166MHz	66MHz	2.5x	On	On	Off	Off	Off	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	On	On	Off	Off	Off	Off
180MHz	66MHz	3x	Off	On	Off	On	Off	Off
200MHz	66MHz	3x	Off	On	Off	Off	Off	Off
233MHz	66MHz	3.5x	Off	Off	Off	Off	Off	Off

CPU SPEED SELECTION (AM K6 2)								
CPU speed	**Clock speed**	**Multiplier**	**SW1/1**	**SW1/2**	**SW1/3**	**SW1/4**	**SW1/5**	**SW1/6**
250MHz	100MHz	2.5x	On	On	Off	Off	Off	On

CPU SPEED SELECTION (INTEL)								
CPU speed	**Clock speed**	**Multiplier**	**SW1/1**	**SW1/2**	**SW1/3**	**SW1/4**	**SW1/5**	**SW1/6**
90MHz	60MHz	1.5x	Off	Off	Off	On	Off	Off
100MHz	66MHz	1.5x	Off	Off	Off	Off	Off	Off
120MHz	60MHz	2x	On	Off	Off	On	Off	Off
133MHz	66MHz	2x	On	Off	Off	Off	Off	Off
150MHz	60MHz	2.5x	On	On	Off	On	Off	Off
166MHz	66MHz	2.5x	On	On	Off	Off	Off	Off
180MHz	66MHz	3x	Off	On	Off	On	Off	Off
200MHz	66MHz	3x	Off	On	Off	Off	Off	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	On	On	Off	Off	Off	Off
180MHz	66MHz	3x	Off	On	Off	On	Off	Off
200MHz	66MHz	3x	Off	On	Off	Off	Off	Off

233MHz	66MHz	3.5x	Off	Off	Off	Off	Off	Off

CPU VOLTAGE SELECTION	
Voltage	**JP30**
2.0v	Open
2.1v	Pins 5 & 6 closed
2.2v	Pins 3 & 4 closed
2.3v	Pins 3 & 4, 5 & 6 closed
2.4v	Pins 7 & 8 closed
2.5v	Pins 5 & 6, 7 & 8 closed
2.6v	Pins 3 & 4, 7 & 8 closed
2.7v	Pins 3 & 4, 5 & 6, 7 & 8 closed
2.8v	Pins 1 & 2, 11 & 12 closed
2.9v	Pins 1 & 2, 5 & 6 closed
3.0v	Pins 1 & 2, 3 & 4 closed
3.1v	Pins 1 & 2, 3 & 4, 5 & 6 closed
3.2v	Pins 1 & 2, 7 & 8 closed
3.3v	Pins 1 & 2, 9 & 10 closed
3.4v	Pins 1 & 2, 3 & 4, 7 & 8 closed
3.5v	Pins 1 & 2, 11 & 12 closed

POWER SUPPLY SELECTION		
Type	**JP2**	**JP6**
» AT	Pins 2 & 3 closed	Pins 2 & 3 closed
ATX	Pins 1 & 2 closed	Pins 1 & 2 closed

HOST BUS FREQUENCY SELECTION				
CPU host bus	**AGP host bus**	**PCI host bus**	**JP7**	**JP8**
» 66MHz	66MHz	33MHz	Pins 2 & 3 closed	Open
100MHz	66MHz	33MHz	Pins 1 & 2 closed	Pins 2 & 3 closed
