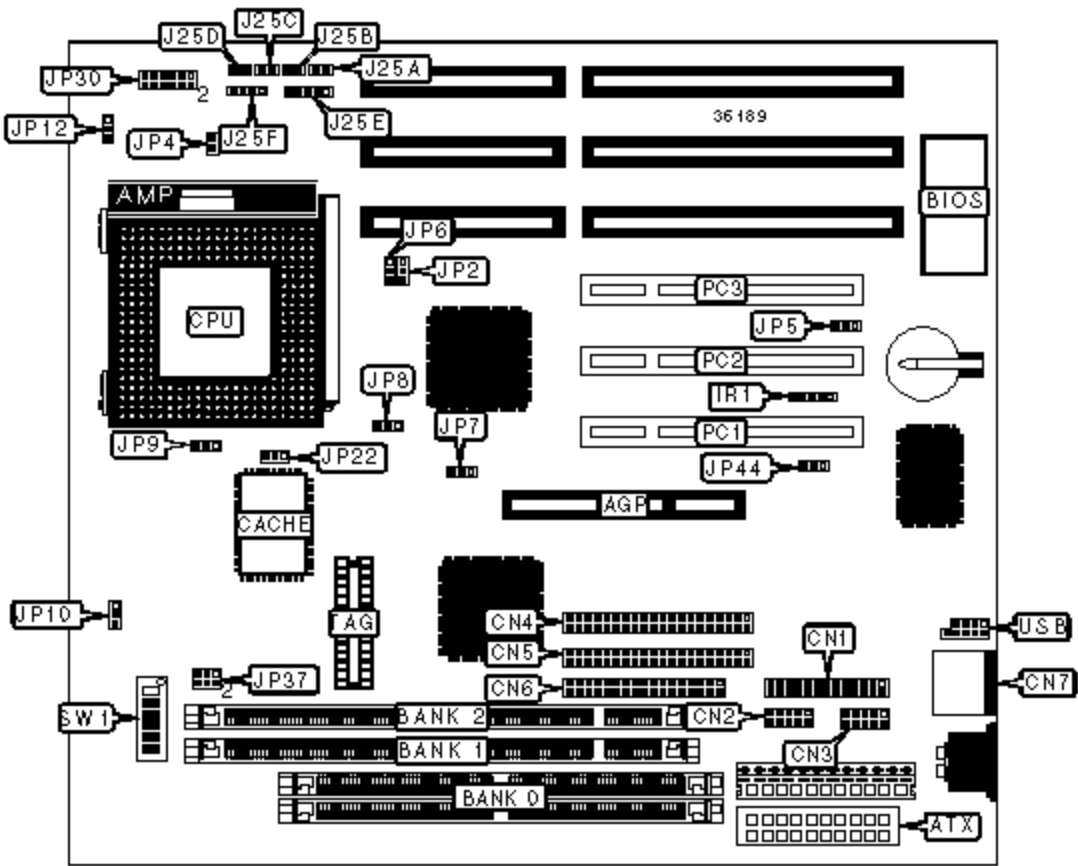


SURIA COMPUTER CORPORATION

SC-5EH5

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	512KB
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	J25P
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	(1) 1M x 64
64MB	(1) 8M 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

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

