LUCKY STAR TECHNOLOGY CO., LTD.

5TX2B

Device Type	Mainboard
Processor	CX 6X86/CX 6X86L/CX 686MX/CX M II/AM K5/AM K6/
	AM K6-2/Pentium/Pentium MMX
Processor Speed	75/90/100/120/133/150/166/180/200/233/266/300MHz
Chip Set	Intel 430TX
Video Chip Set	None
Maximum Onboard Memory	128MB (EDO & SDRAM supported)
Maximum Video Memory	None
Cache	512KB
BIOS	Award
Dimensions	230mm x 220mm
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 connector, SB-link connector
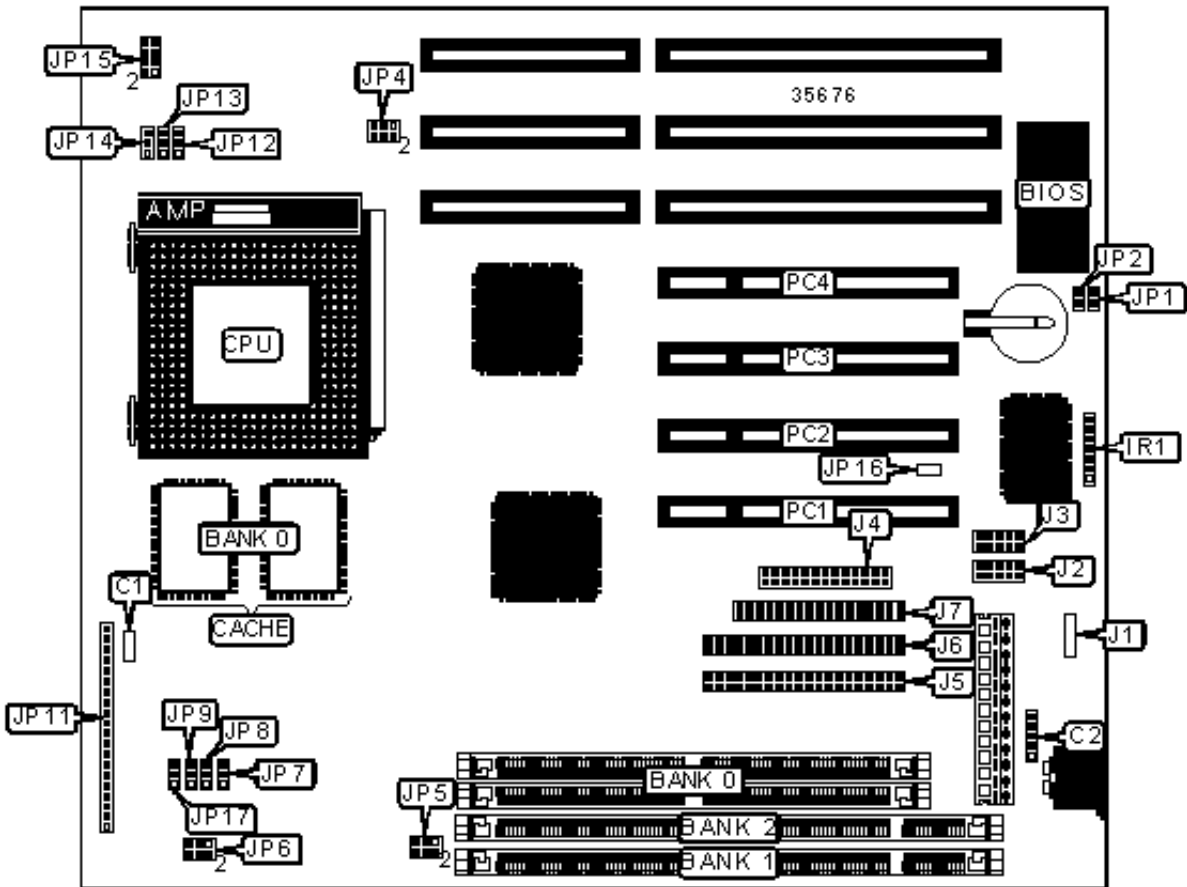
CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**

Chassis fan power	C1	IR connector	IR1
PS/2 mouse interface	C2	SB-link connector	JP4
USB connector	J1	Power LED & keylock	JP11/pins 1 – 5
Serial port	J2	Speaker	JP11/pins 7 – 10
Serial port	J3	Reset switch	JP11/pins 12 & 13
Parallel port	J4	IDE interface LED	JP11/pins 15 & 16
IDE interface 1	J5	Turbo LED	JP11/pins 18 & 19
IDE interface 2	J6	Green PC connector	JP11/pins 21 & 22
CPU fan power	J7	32-bit PCI slots	PC1 – PC4

USER CONFIGURABLE SETTINGS		
Function	**Label**	**Position**
Flash BIOS voltage select 12v	JP1	Closed
Flash BIOS voltage select 5v	JP1	Open
» CMOS memory normal operation	JP2	Closed
CMOS memory clear	JP2	Open
» Factory configured - do not alter	JP16	Unidentified
PCI CLK select asynchronous	JP17	Pins 1 & 2 closed
PCI CLK select synchronous	JP17	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 1**	**Bank 2**
8MB	(1) 1M x 64	None
16MB	(1) 2M x 64	None
16MB	(1) 1M x 64	(1) 1M x 64

DIMM CONFIGURATION (CON'T)		
Size	**Bank 1**	**Bank 2**
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.		

DIMM VOLTAGE CONFIGURATION

Voltage	JP5
3.3v	Pins 1 & 3, 2 & 4 closed
5v	Pins 3 & 5, 4 & 6 closed

CACHE CONFIGURATION

Size	Bank 0
512KB	(2) 64K x 32

CPU SPEED SELECTION (CX 6X86)

CPU speed	Clock speed	Multiplier	JP7	JP8	JP9	JP12	JP13
120MHz	50MHz	2x	1 & 2	1 & 2	1 & 2	2 & 3	1 & 2
133MHz	55MHz	2x	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2
150MHz	60MHz	2x	2 & 3	1 & 2	1 & 2	2 & 3	1 & 2
166MHz	66MHz	2x	1 & 2	2 & 3	1 & 2	2 & 3	1 & 2
200MHz	75MHz	2x	2 & 3	1 & 2	2 & 3	2 & 3	1 & 2
Note: Pins designated should be in the closed position.							

CPU SPEED SELECTION (CX 6X86L)

CPU speed	Clock speed	Multiplier	JP7	JP8	JP9	JP12	JP13
133MHz	55MHz	2x	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2

150MHz	60MHz	2x	2 & 3	1 & 2	1 & 2	2 & 3	1 & 2
166MHz	66MHz	2x	1 & 2	2 & 3	1 & 2	2 & 3	1 & 2
200MHz	75MHz	2x	2 & 3	1 & 2	2 & 3	2 & 3	1 & 2

Note: Pins designated should be in the closed position.

	CPU SPEED SELECTION (CX 6X86MX)						
CPU speed	Clock speed	Multiplier	JP7	JP8	JP9	JP12	JP13
166MHz	60MHz	2.5x	2 & 3	1 & 2	1 & 2	2 & 3	2 & 3
166MHz	66MHz	2x	1 & 2	2 & 3	1 & 2	2 & 3	1 & 2
200MHz	75MHz	2x	2 & 3	1 & 2	2 & 3	2 & 3	1 & 2
233MHz	75MHz	2.5x	2 & 3	1 & 2	2 & 3	2 & 3	2 & 3

Note: Pins designated should be in the closed position.

	CPU SPEED SELECTION (CX M II)						
CPU speed	Clock speed	Multiplier	JP7	JP8	JP9	JP12	JP13
300MHz	66MHz	3.5x	1 & 2	2 & 3	1 & 2	1 & 2	1 & 2

Note: Pins designated should be in the closed position.

	CPU SPEED SELECTION (AM K5)						
CPU speed	Clock speed	Multiplier	JP7	JP8	JP9	JP12	JP13
75MHz	50MHz	1.5x	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2
90MHz	60MHz	1.5x	2 & 3	1 & 2	1 & 2	1 & 2	1 & 2
100MHz	66MHz	1.5x	1 & 2	2 & 3	1 & 2	1 & 2	1 & 2
120MHz	60MHz	1.5x	2 & 3	1 & 2	1 & 2	1 & 2	1 & 2

133MHz	66MHz	1.5x	1 & 2	2 & 3	1 & 2	1 & 2	1 & 2
150MHz	60MHz	2.5x	2 & 3	1 & 2	1 & 2	2 & 3	2 & 3
166MHz	66MHz	2.5x	1 & 2	2 & 3	1 & 2	2 & 3	2 & 3
Note: Pins designated should be in the closed position.							

CPU SPEED SELECTION (AM K6)							
CPU speed	Clock speed	Multiplier	JP7	JP8	JP9	JP12	JP13
166MHz	66MHz	2.5x	1 & 2	2 & 3	1 & 2	2 & 3	2 & 3
200MHz	66MHz	3x	1 & 2	2 & 3	1 & 2	1 & 2	2 & 3
233MHz	66MHz	3.5x	1 & 2	2 & 3	1 & 2	1 & 2	1 & 2
266MHz	66MHz	4x	1 & 2	2 & 3	1 & 2	2 & 3	1 & 2
300MHz	66MHz	4.5x	1 & 2	2 & 3	1 & 2	2 & 3	2 & 3
Note: Pins designated should be in the closed position.							

CPU SPEED SELECTION (AM K6-2)							
CPU speed	Clock speed	Multiplier	JP7	JP8	JP9	JP12	JP13
266MHz	66MHz	4x	1 & 2	2 & 3	1 & 2	2 & 3	1 & 2
Note: Pins designated should be in the closed position.							

CPU SPEED SELECTION (INTEL)							
CPU speed	Clock speed	Multiplier	JP7	JP8	JP9	JP12	JP13
75MHz	50MHz	1.5x	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2
90MHz	60MHz	1.5x	2 & 3	1 & 2	1 & 2	1 & 2	1 & 2
100MHz	66MHz	1.5x	1 & 2	2 & 3	1 & 2	1 & 2	1 & 2

CPU speed	Clock speed	Multiplier	JP7	JP8	JP9	JP12	JP13
120MHz	60MHz	2x	2 & 3	1 & 2	1 & 2	2 & 3	1 & 2
133MHz	66MHz	2x	1 & 2	2 & 3	1 & 2	2 & 3	1 & 2
150MHz	60MHz	2.5x	2 & 3	1 & 2	1 & 2	2 & 3	2 & 3
166MHz	66MHz	2.5x	1 & 2	2 & 3	1 & 2	2 & 3	2 & 3
180MHz	60MHz	3x	2 & 3	1 & 2	1 & 2	1 & 2	2 & 3
200MHz	66MHz	3x	1 & 2	2 & 3	1 & 2	1 & 2	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL MMX)							
CPU speed	**Clock speed**	**Multiplier**	**JP7**	**JP8**	**JP9**	**JP12**	**JP13**
166MHz	66MHz	2.5x	1 & 2	2 & 3	1 & 2	2 & 3	2 & 3
200MHz	66MHz	3x	1 & 2	2 & 3	1 & 2	1 & 2	2 & 3
233MHz	66MHz	3.5x	1 & 2	2 & 3	1 & 2	1 & 2	1 & 2

Note: Pins designated should be in the closed position.

CPU TYPE SELECTION	
Type	**JP14**
All CPUs	Pins 1 & 2 closed
AM K6266/300MHz only	Pins 2 & 3 closed

CPU VOLTAGE SELECTION	
Voltage	**JP6**
Single voltage CPU	Open
Dual voltage CPU	Pins 1 & 2, 3 & 4, 5 & 6 closed

CPU VOLTAGE SELECTION

Voltage	JP15/pins 1 & 2	JP15/pins 3 & 4	JP15/pins 5 & 6	JP15/pins 7 & 8
2.0v	Open	Open	Open	Open
2.1v	Closed	Open	Open	Open
2.2v	Open	Closed	Open	Open
2.3v	Closed	Closed	Open	Open
2.4v	Open	Open	Closed	Open
2.5v	Closed	Open	Closed	Open
2.6v	Open	Closed	Closed	Open
2.7v	Closed	Closed	Closed	Open
2.8v	Open	Open	Open	Closed
2.9v	Closed	Open	Open	Closed
3.0v	Open	Closed	Open	Closed
3.1v	Closed	Closed	Open	Closed
3.2v	Open	Open	Closed	Closed
3.3v	Closed	Open	Closed	Closed
3.4v	Open	Closed	Closed	Closed
3.5v	Closed	Closed	Closed	Closed