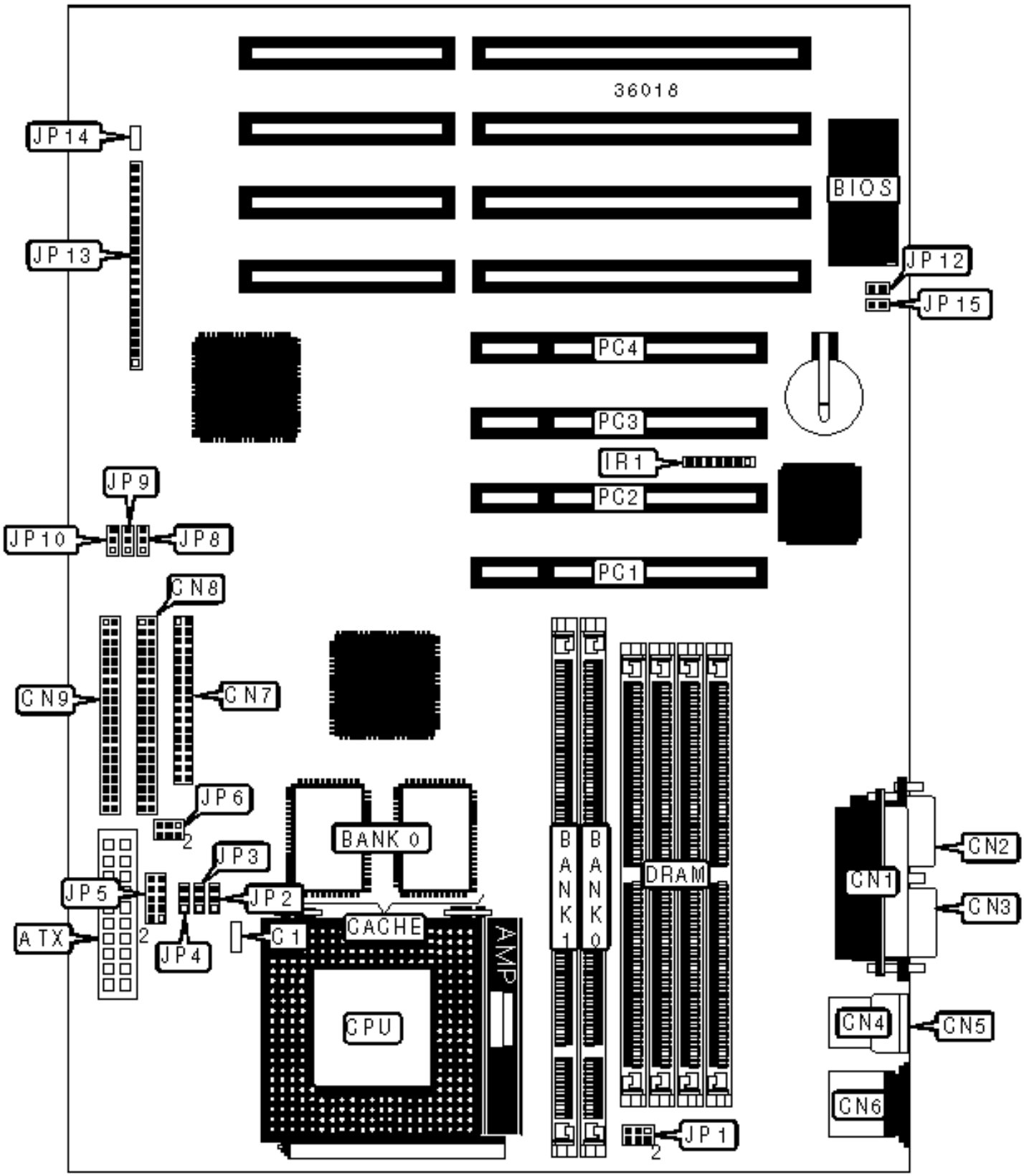
LUCKY STAR TECHNOLOGY CO., LTD.

5ATX2

Configuration



CONNECTIONS

Purpose	Location	Purpose	Location
CPU fan power	ATX	IDE interface 2	CN9
Chassis fan power	C1	IR connector	IR1
Parallel port	CN1	Power LED & keylock	JP13/pins 1 – 5
Serial port 1	CN2	Speaker	JP13/pins 7 – 10
Serial port 2	CN3	Reset switch	JP13/pins 12 & 13
USB connector 1	CN4	IDE interface LED	JP13/pins 15 & 16
USB connector 2	CN5	Turbo LED	JP13/pins 18 & 19
PS/2 mouse port	CN6	Green PC connector	JP13/pins 21 & 22
Floppy drive interface	CN7	32-bit PCI slots	PC1 – PC4
IDE interface 1	CN8		

USER CONFIGURABLE SETTINGS

Function		Label	Position
»	Factory configured - do not alter	JP4	Unidentified
»	Factory configured - do not alter	JP12	Unidentified
»	Factory configured - do not alter	JP14	Unidentified
»	CMOS memory normal operation	JP15	Closed
	CMOS memory clear	JP15	Open

SIMM CONFIGURATION

Size	Bank 2	Bank 3
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
96MB	(2) 8M x 36	(2) 4M x 36
128MB	(2) 8M x 36	(2) 8M x 36

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

DIMM CONFIGURATION (CON'T)		
Size	Bank 0	Bank 1
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

DIMM VOLTAGE CONFIGURATION

Voltage	JP1
3.3v	Pins 1 & 3, 2 & 4 closed
5v	Pins 3 & 5, 4 & 6 closed

CPU SPEED SELECTION (CX 6X86)

CPU speed	Clock speed	Multiplier	JP2	JP3	JP8	JP9	JP10
120MHz	50MHz	2x	2 & 3	1 & 2	1 & 2	1 & 2	1 & 2
133MHz	55MHz	2x	2 & 3	1 & 2	1 & 2	1 & 2	2 & 3
150MHz	60MHz	2x	2 & 3	1 & 2	2 & 3	1 & 2	1 & 2
166MHz	66MHz	2x	2 & 3	1 & 2	1 & 2	2 & 3	1 & 2
200MHz	75MHz	2x	2 & 3	1 & 2	2 & 3	1 & 2	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (CX 6X86L)

CPU speed	Clock speed	Multiplier	JP2	JP3	JP8	JP9	JP10
133MHz	55MHz	2x	2 & 3	1 & 2	1 & 2	1 & 2	2 & 3
150MHz	60MHz	2x	2 & 3	1 & 2	2 & 3	1 & 2	1 & 2
166MHz	66MHz	2x	2 & 3	1 & 2	1 & 2	2 & 3	1 & 2
200MHz	75MHz	2x	2 & 3	1 & 2	2 & 3	1 & 2	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (CX 6X86MX)

CPU speed	Clock speed	Multiplier	JP2	JP3	JP8	JP9	JP10
166MHz	60MHz	2.5x	2 & 3	2 & 3	2 & 3	1 & 2	1 & 2
166MHz	66MHz	2x	2 & 3	1 & 2	1 & 2	2 & 3	1 & 2
200MHz	75MHz	2x	2 & 3	1 & 2	2 & 3	1 & 2	2 & 3
233MHz	75MHz	2.5x	2 & 3	2 & 3	2 & 3	1 & 2	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (CX MII)

CPU speed	Clock speed	Multiplier	JP2	JP3	JP8	JP9	JP10
300MHz	66MHz	3.5x	1 & 2	1 & 2	1 & 2	2 & 3	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K5)

CPU speed	Clock speed	Multiplier	JP2	JP3	JP8	JP9	JP10
75MHz	50MHz	1.5x	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2
90MHz	60MHz	1.5x	1 & 2	1 & 2	2 & 3	1 & 2	1 & 2
100MHz	66MHz	1.5x	1 & 2	1 & 2	1 & 2	2 & 3	1 & 2
120MHz	60MHz	1.5x	1 & 2	1 & 2	2 & 3	1 & 2	1 & 2
133MHz	66MHz	1.5x	1 & 2	1 & 2	1 & 2	2 & 3	1 & 2
150MHz	60MHz	2.5x	2 & 3	2 & 3	2 & 3	1 & 2	1 & 2
166MHz	66MHz	2.5x	2 & 3	2 & 3	1 & 2	2 & 3	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K6)

CPU speed	Clock speed	Multiplier	JP2	JP3	JP8	JP9	JP10
166MHz	66MHz	2.5x	2 & 3	2 & 3	1 & 2	2 & 3	1 & 2
200MHz	66MHz	3x	1 & 2	2 & 3	1 & 2	2 & 3	1 & 2
233MHz	66MHz	3.5x	1 & 2	1 & 2	1 & 2	2 & 3	1 & 2
266MHz	66MHz	4x	2 & 3	1 & 2	1 & 2	2 & 3	1 & 2
300MHz	66MHz	4.5x	2 & 3	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	JP2	JP3	JP8	JP9	JP10
75MHz	50MHz	1.5x	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2
90MHz	60MHz	1.5x	1 & 2	1 & 2	2 & 3	1 & 2	1 & 2
100MHz	66MHz	1.5x	1 & 2	1 & 2	1 & 2	2 & 3	1 & 2
120MHz	60MHz	2x	2 & 3	1 & 2	2 & 3	1 & 2	1 & 2
133MHz	66MHz	2x	2 & 3	1 & 2	1 & 2	2 & 3	1 & 2
150MHz	60MHz	2.5x	2 & 3	2 & 3	2 & 3	1 & 2	1 & 2
166MHz	66MHz	2.5x	2 & 3	2 & 3	1 & 2	2 & 3	1 & 2
180MHz	60MHz	3x	1 & 2	2 & 3	2 & 3	1 & 2	1 & 2
200MHz	66MHz	3x	1 & 2	2 & 3	1 & 2	2 & 3	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL MMX)

CPU speed	Clock speed	Multiplier	JP2	JP3	JP8	JP9	JP10
166MHz	66MHz	2.5x	2 & 3	2 & 3	1 & 2	2 & 3	1 & 2
200MHz	66MHz	3x	1 & 2	2 & 3	1 & 2	2 & 3	1 & 2

233MHz	66MHz	3.5x	1 & 2	1 & 2	1 & 2	2 & 3	1 & 2
Note: Pins designated should be in the closed position.							

CPU TYPE SELECTION	
Type	JP6
Single voltage	Open
Dual voltage	Pins 1 & 2, 3 & 4, 5 & 6 closed

CPU VOLTAGE SELECTION	
Voltage	JP5
2.0v	Open
2.1v	Pins 1 & 2 closed
2.5v	Pins 1 & 2, 5 & 6 closed
2.8v	Pins 7 & 8 closed
2.9v	Pins 1 & 2, 7 & 8 closed
3.0v	Pins 3 & 4, 7 & 8 closed
3.1v	Pins 1 & 2, 3 & 4, 7 & 8 closed
3.2v	Pins 5 & 6, 7 & 8 closed
3.3v	Pins 1 & 2, 5 & 6, 7 & 8 closed
3.5v	Pins 1 & 2, 3 & 4, 5 & 6, 7 & 8 closed