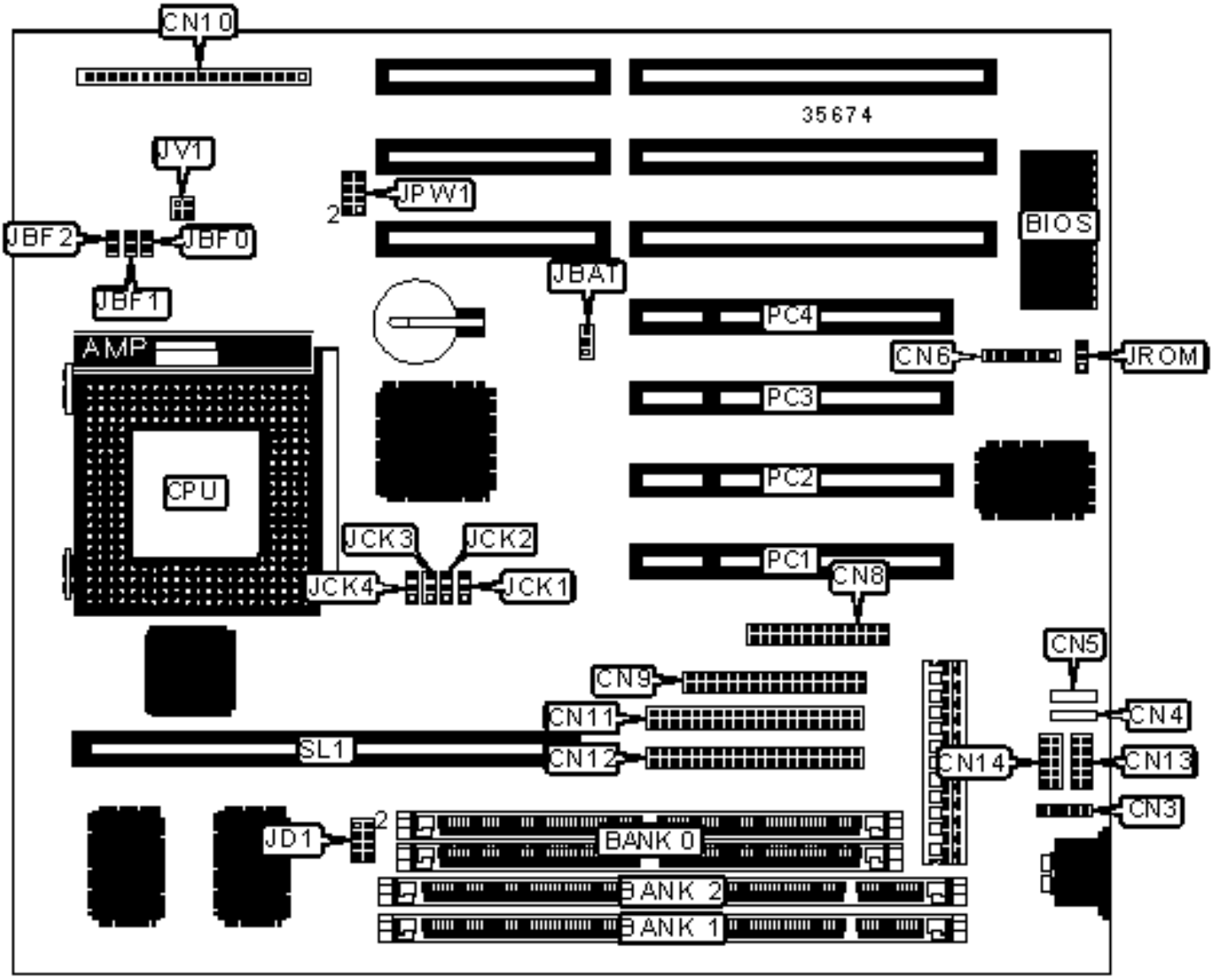
LUCKY STAR TECHNOLOGY CO., LTD.

5VPX2

Configuration



CONNECTIONS

Purpose	Location	Purpose	Location
PS/2 mouse interface	CN3	Turbo LED	CN10/pins 15 & 16
USB connector	CN4	Green PC connector	CN10/pins 18 & 19
USB connector	CN5	IDE interface LED	CN10/pins 21 & 22
IR connector	CN6	IDE interface 2	CN11
Parallel port	CN8	IDE interface 1	CN12
Floppy drive interface	CN9	Serial port 1	CN13
Power LED & keylock	CN10/pins 1 – 5	Serial port 2	CN14
Speaker	CN10/pins 7 – 10	32-bit PCI slots	PC1 – PC4
Reset switch	CN10/pins 12 & 13	Cache slot	SL1

USER CONFIGURABLE SETTINGS

Function		Label	Position
»	CMOS memory normal operation	JBAT	Pins 1 & 2 closed
	CMOS memory clear	JBAT	Pins 2 & 3 closed
	Flash BIOS voltage select 12v	JROM	Pins 2 & 3 closed
	Flash BIOS voltage select 5v	JROM	Pins 1 & 2 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

256MB	(2) 32M 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

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

DIMM VOLTAGE CONFIGURATION	
Voltage	JD1
3.3v	Pins 5 & 7, 6 & 8 closed
5v	Pins 1 & 3, 2 & 4 closed

CACHE CONFIGURATION	
Size	SL1
256KB	256KB module installed
512KB	512KB module installed

CPU SPEED SELECTION (CX 6X86)								
CPU speed	Clock speed	Multiplier	JBF0	JBF1	JCK1	JCK2	JCK3	JCK4
120MHz	50MHz	2x	Closed	Open	2 & 3	2 & 3	2 & 3	1 & 2
133MHz	55MHz	2x	Closed	Open	2 & 3	2 & 3	1 & 2	2 & 3
150MHz	60MHz	2x	Closed	Open	1 & 2	2 & 3	2 & 3	2 & 3
166MHz	66MHz	2x	Closed	Open	2 & 3	1 & 2	2 & 3	2 & 3
Note: Pins designated should be in the closed position.								

CPU SPEED SELECTION (CX 6X86L)								
CPU speed	Clock speed	Multiplier	JBF0	JBF1	JCK1	JCK2	JCK3	JCK4
133MHz	55MHz	2x	Closed	Open	2 & 3	2 & 3	1 & 2	2 & 3
150MHz	60MHz	2x	Closed	Open	1 & 2	2 & 3	2 & 3	2 & 3

166MHz	66MHz	2x	Closed	Open	2 & 3	1 & 2	2 & 3	2 & 3
200MHz	75MHz	2x	Closed	Open	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	JBF0	JBF1	JCK1	JCK2	JCK3	JCK4
166MHz	66MHz	2x	Closed	Open	2 & 3	1 & 2	2 & 3	2 & 3
200MHz	66MHz	2.5x	Closed	Closed	2 & 3	1 & 2	2 & 3	2 & 3
200MHz	75MHz	2x	Closed	Open	1 & 2	2 & 3	1 & 2	2 & 3
233MHz	75MHz	2.5x	Closed	Closed	1 & 2	2 & 3	1 & 2	2 & 3
Note: Pins designated should be in the closed position.								

CPU SPEED SELECTION (CX M II)

CPU speed	Clock speed	Multiplier	JBF0	JBF1	JCK1	JCK2	JCK3	JCK4
300MHz	66MHz	3.5x	Open	Open	2 & 3	1 & 2	2 & 3	2 & 3
Note: Pins designated should be in the closed position.								

CPU SPEED SELECTION (AM K5)

CPU speed	Clock speed	Multiplier	JBF0	JBF1	JCK1	JCK2	JCK3	JCK4
90MHz	60MHz	1.5x	Open	Open	1 & 2	2 & 3	2 & 3	2 & 3
100MHz	66MHz	1.5x	Open	Open	2 & 3	1 & 2	2 & 3	2 & 3
120MHz	60MHz	1.5x	Open	Open	1 & 2	2 & 3	2 & 3	2 & 3
133MHz	66MHz	1.5x	Open	Open	2 & 3	1 & 2	2 & 3	2 & 3
166MHz	66MHz	2.5x	Closed	Closed	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	JBF0	JBF1	JCK1	JCK2	JCK3	JCK4
166MHz	66MHz	2.5x	Closed	Closed	2 & 3	1 & 2	2 & 3	2 & 3
200MHz	66MHz	3x	Open	Closed	2 & 3	1 & 2	2 & 3	2 & 3
233MHz	66MHz	3.5x	Open	Open	2 & 3	1 & 2	2 & 3	2 & 3
266MHz	66MHz	4x	Closed	Open	2 & 3	1 & 2	2 & 3	2 & 3
300MHz	66MHz	4.5x	Closed	Closed	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	JBF0	JBF1	JCK1	JCK2	JCK3	JCK4
266MHz	66MHz	4x	Closed	Open	2 & 3	1 & 2	2 & 3	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL)

CPU speed	Clock speed	Multiplier	JBF0	JBF1	JCK1	JCK2	JCK3	JCK4
90MHz	60MHz	1.5x	Open	Open	1 & 2	2 & 3	2 & 3	2 & 3
100MHz	66MHz	1.5x	Open	Open	2 & 3	1 & 2	2 & 3	2 & 3
120MHz	60MHz	2x	Closed	Open	1 & 2	2 & 3	2 & 3	2 & 3
133MHz	66MHz	2x	Closed	Open	2 & 3	1 & 2	2 & 3	2 & 3
150MHz	60MHz	2.5x	Closed	Closed	1 & 2	2 & 3	2 & 3	2 & 3
166MHz	66MHz	2.5x	Closed	Closed	2 & 3	1 & 2	2 & 3	2 & 3
200MHz	66MHz	3x	Open	Closed	2 & 3	1 & 2	2 & 3	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL MMX)

CPU speed	Clock speed	Multiplier	JBF0	JBF1	JCK1	JCK2	JCK3	JCK4
166MHz	66MHz	2.5x	Closed	Closed	2 & 3	1 & 2	2 & 3	2 & 3
200MHz	66MHz	3x	Open	Closed	2 & 3	1 & 2	2 & 3	2 & 3
233MHz	66MHz	3.5x	Open	Open	2 & 3	1 & 2	2 & 3	2 & 3
Note: Pins designated should be in the closed position.								

CPU TYPE SELECTION	
Type	JBF2
All CPU types	Open
AM K6 266/300MHz	Closed
AM K6-2 266MHz	Closed

CPU VOLTAGE SELECTION (SINGLE)		
Voltage	JPW1	JV1
3.3v	Pins 1 & 2, 5 & 6, 7 & 8 closed	Open
3.52v	Pins 1 & 2, 3 & 4, 5 & 6, 7 & 8 closed	Open

CPU VOLTAGE SELECTION			
Voltage	V core	JPW1	JV1
3.3v	2.8v	Pins 7 & 8 closed	Pins 1 & 2, 3 & 4 closed
3.3v	2.9v	Pins 1 & 2, 7 & 8 closed	Pins 1 & 2, 3 & 4 closed
3.3v	3.2v	Pins 5 & 6, 7 & 8 closed	Pins 1 & 2, 3 & 4 closed