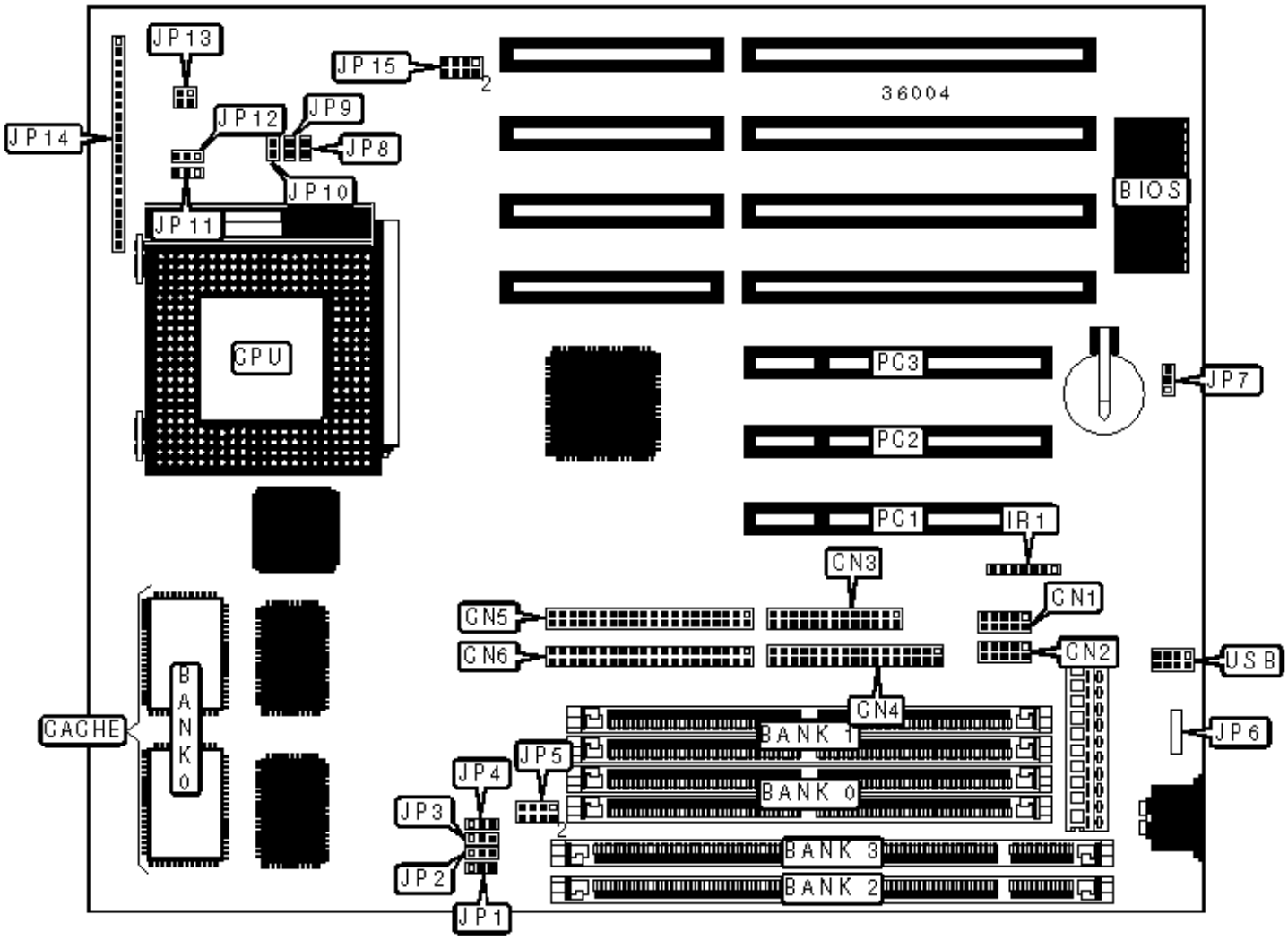
LUCKY STAR TECHNOLOGY CO., LTD

5I-VX1E

Configuration



CONNECTIONS

Purpose	Location	Purpose	Location
Serial port 1	CN1	Green PC connector	JP14/pins 1 & 2
Serial port 2	CN2	Turbo LED	JP14/pins 4 & 5
Parallel port	CN3	IDE interface LED	JP14/pins 7 & 8
Floppy drive interface	CN4	Reset switch	JP14/pins 10 & 11
IDE interface 2	CN5	Speaker	JP14/pins 13 – 16
IDE interface 1	CN6	Power LED & keylock	JP14/pins 18 - 22
IR connector	IR1	32-bit PCI slots	PC1 – PC3
PS/2 mouse interface	JP6	USB connector	USB

USER CONFIGURABLE SETTINGS

	Function	Label	Position
»	PCI CLK select 32MHz	JP1	Pins 1 & 2 closed
	PCI CLK select CLK/2	JP1	Pins 2 & 3 closed
»	CMOS memory normal operation	JP7	Pins 1 & 2 closed
	CMOS memory clear	JP7	Pins 2 & 3 closed

SIMM CONFIGURATION

Size	Bank 0	Bank 1
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 2	Bank 3
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

DIMM CONFIGURATION (CON'T)		
Size	Bank 2	Bank 3
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	JP5
3.3v	Pins 1 & 2, 3 & 4, 5 & 6 closed
5v	Pins 7 & 8 closed

CACHE CONFIGURATION	
Size	Bank 0
256KB	(2) 32K x 32
512KB	(2) 64K x 32

CPU SPEED SELECTION (CX 6X86)							
CPU speed	Clock speed	Multiplier	JP2	JP3	JP4	JP11	JP12
120MHz	50MHz	2x	1 & 2	1 & 2	1 & 2	2 & 3	1 & 2
133MHz	55MHz	2x	2 & 3	1 & 2	1 & 2	2 & 3	1 & 2
150MHz	60MHz	2x	1 & 2	1 & 2	2 & 3	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	JP2	JP3	JP4	JP11	JP12
133MHz	55MHz	2x	2 & 3	1 & 2	1 & 2	2 & 3	1 & 2
150MHz	60MHz	2x	1 & 2	1 & 2	2 & 3	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	JP2	JP3	JP4	JP11	JP12
166MHz	66MHz	2x	1 & 2	2 & 3	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	JP4	JP11	JP12
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	2 & 3	1 & 2	1 & 2	1 & 2
120MHz	60MHz	1.5x	1 & 2	1 & 2	2 & 3	1 & 2	1 & 2
133MHz	66MHz	1.5x	1 & 2	2 & 3	1 & 2	1 & 2	1 & 2
150MHz	60MHz	2.5x	1 & 2	1 & 2	2 & 3	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	JP2	JP3	JP4	JP11	JP12
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 SPEED SELECTION (INTEL)

CPU speed	Clock speed	Multiplier	JP2	JP3	JP4	JP11	JP12
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	2 & 3	1 & 2	1 & 2	1 & 2
120MHz	60MHz	2x	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2
133MHz	66MHz	2x	1 & 2	2 & 3	1 & 2	2 & 3	1 & 2
150MHz	60MHz	2.5x	1 & 2	1 & 2	2 & 3	2 & 3	2 & 3
166MHz	66MHz	2.5x	1 & 2	2 & 3	1 & 2	2 & 3	2 & 3
180MHz	60MHz	3x	1 & 2	1 & 2	2 & 3	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	JP2	JP3	JP4	JP11	JP12
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	JP8	JP9	JP10
Single voltage	Closed	Open	Open
Dual voltage	Open	Closed	Closed

CPU VOLTAGE SELECTION (SINGLE)	
Voltage	JP13
3.3v	Pins 3 & 4 closed
3.52v	Pins 1 & 2 closed

CPU VOLTAGE SELECTION (DUAL)	
Voltage	JP15
2.0v	Open
2.1v	Pins 1 & 2 closed
2.2v	Pins 3 & 4 closed
2.3v	Pins 1 & 2, 3 & 4 closed
2.4v	Pins 5 & 6 closed
2.5v	Pins 1 & 2, 5 & 6 closed
2.6v	Pins 3 & 4, 5 & 6 closed
2.7v	Pins 1 & 2, 3 & 4, 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
3.4v	Pins 3 & 4, 5 & 6, 7 & 8 closed
3.5v	Pins 1 & 2, 3 & 4, 5 & 6, 7 & 8 closed