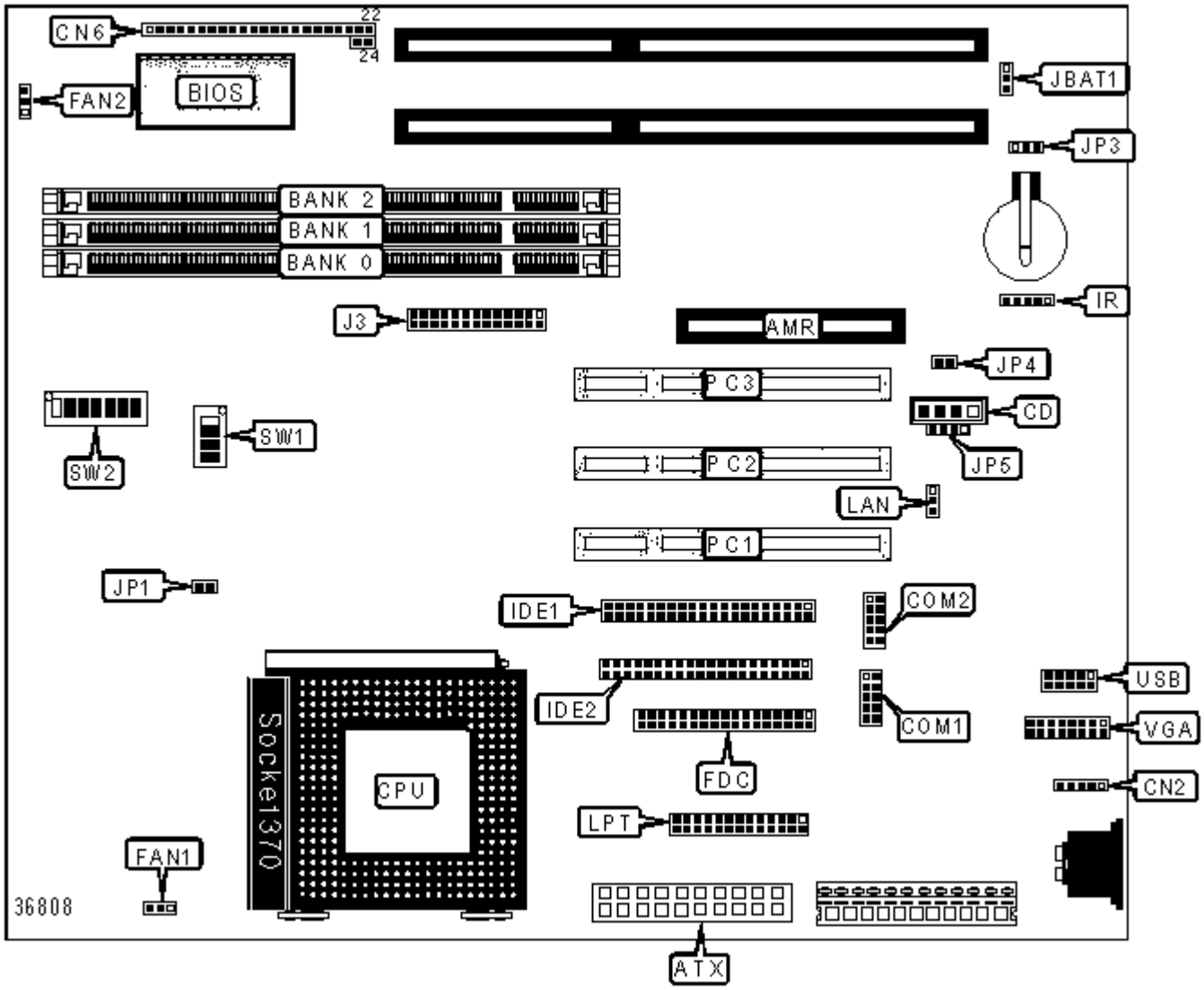
LUCKY STAR TECHNOLOGY CO., LTD.

5MVP4

Device Type	Mainboard
Processor	CX 6X86L/CX 686MX/CX MII/AM K5/AM K6/AM K6-2/Pentium/Pentium MMX
Processor Speed	100/133/166/200/233/250/266/300/333/366/380/400/433/450MHz
Chip Set	VIA
Audio Chip Set	ESS
Maximum Onboard Memory	768MB (EDO & SDRAM supported) Unified Memory Architecture (UMA)
Cache	512/1024KB
BIOS	Award
Dimensions	220mm x 240mm
I/O Options (backplane)	32-bit PCI slots (3), floppy drive interface, IDE interfaces (2), parallel port, PS/2 mouse interface, serial interfaces (2), VGA connector, riser slot, IR connector, USB interface, ATX power connector, audio in - CD-ROM, Audio/Modem Riser slot, Green PC connector, Game/MIDI interface



CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**

Audio/Modem Riser slot	AMR	Serial interface 2	COM2
ATX power connector	ATX	CPU fan power 1	FAN1
Audio in - CD-ROM	CD	CPU fan power 2	FAN2
PS/2 mouse interface	CN1	Floppy drive interface	FDC
Green PC connector	CN6/Pins 1 & 2	IDE interface 1	IDE1
Turbo LED	CN6/Pins 4 & 5	IDE interface 2	IDE2
IDE interface LED	CN6/Pins 7 & 8	IR connector	IR
Reset switch	CN6/Pins 10 & 11	Game/MIDI interface	J3
Speaker	CN6/Pins 13-16	Wake-on-LAN connector	LAN
Keylock	CN6/Pins 18-19	Parallel port	LPT
Power LED	CN6/Pins 20-22	32-bit PCI slots	PC1 - PC3
Soft off power supply	CN6/Pins 23 & 24	USB interface	USB
Serial interface 1	COM1	VGA interface	VGA

USER CONFIGURABLE SETTINGS			
Function		**Label**	**Position**
»	CMOS memory normal operation	JBAT1	Pins 1 & 2 closed
	CMOS memory clear	JBAT1	Pins 2 & 3 closed
	CPU VIO at 3.45v	JP1	Closed
	CPU VIO at 3.3v	JP1	Open
»	PS/2 mouse enabled	JP3	Pins 2 & 3 closed
	PS/2 mouse disabled	JP3	Pins 1 & 2 closed

DIMM CONFIGURATION			
Size	**Bank 0**	**Bank 1**	**Bank 2**
8MB	(1) 1M x 64	None	None
16MB	(1) 1M x 64	(1) 1M x 64	None

16MB	(1) 2M x 64	None	None
24MB	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64
32MB	(1) 2M x 64	(1) 2M x 64	None
32MB	(1) 4M x 64	None	None
32MB	(1) 2M x 64	(1) 1M x 64	(1) 1M x 64
48MB	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64
48MB	(1) 4M x 64	(1) 1M x 64	(1) 1M x 64
64MB	(1) 4M x 64	(1) 4M x 64	None
64MB	(1) 8M x 64	None	None
64MB	(1) 4M x 64	(1) 2M x 64	(1) 2M x 64
80MB	(1) 8M x 64	(1) 1M x 64	(1) 1M x 64
96MB	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64
96MB	(1) 8M x 64	(1) 2M x 64	(1) 2M x 64
128MB	(1) 8M x 64	(1) 8M x 64	None
128MB	(1) 16M x 64	None	None
128MB	(1) 8M x 64	(1) 4M x 64	(1) 4M x 64
144MB	(1) 16M x 64	(1) 1M x 64	(1) 1M x 64
160MB	(1) 16M x 64	(1) 2M x 64	(1) 2M x 64
192MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64
192MB	(1) 16M x 64	(1) 4M x 64	(1) 4M x 64
256MB	(1) 16M x 64	(1) 16M x 64	None
256MB	(1) 32M x 64	None	None
256MB	(1) 16M x 64	(1) 8M x 64	(1) 8M x 64
272MB	(1) 32M x 64	(1) 1M x 64	(1) 1M x 64
288MB	(1) 32M x 64	(1) 2M x 64	(1) 2M x 64
320MB	(1) 32M x 64	(1) 4M x 64	(1) 4M x 64
384MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64

384MB	(1) 32M x 64	(1) 8M x 64	(1) 8M x 64
512MB	(1) 32M x 64	(1) 32M x 64	None
512MB	(1) 32M x 64	(1) 16M x 64	(1) 16M x 64
768MB	(1) 32M x 64	(1) 32M x 64	(1) 32M x 64
Note: Board supports EDO & SDRAM memory.			

AUDIO FUNCTION SELECTION		
Function	**JP4**	**JP5**
Audio only	Pins 1 & 2 closed	Pins 1 & 2 closed
Audio and AMR slot	Pins 1 & 2 closed	Pins 1 & 2, 3 & 4 closed
AMR slot only	Open	Pins 3 & 4 closed

CPU SPEED SELECTION (CYRIX 6X86)									
CPU speed	**Clock speed**	**Multiplier**	**SW1/1**	**SW1/2**	**SW1/3**	**SW1/4**	**SW2/5**	**SW2/6**	**SW2/7**
166MHz	66MHz	2x	On	Off	Off	Off	On	Off	Off

CPU SPEED SELECTION (CYRIX 6X86L)									
CPU speed	**Clock speed**	**Multiplier**	**SW1/1**	**SW1/2**	**SW1/3**	**SW1/4**	**SW2/5**	**SW2/6**	**SW2/7**
166MHz	66MHz	2x	On	Off	Off	Off	On	Off	Off
200MHz	75MHz	2x	Off	Off	Off	On	On	Off	Off

CPU SPEED SELECTION (CYRIX 686MX)									
CPU speed	**Clock speed**	**Multiplier**	**SW1/1**	**SW1/2**	**SW1/3**	**SW1/4**	**SW2/5**	**SW2/6**	**SW2/7**
166MHz	66MHz	2x	On	Off	Off	Off	On	Off	Off
200MHz	75MHz	2x	Off	Off	Off	On	On	Off	Off
233MHz	75MHz	2.5x	Off	Off	Off	On	On	On	Off
266MHz	83MHz	2.5x	On	Off	On	Off	On	On	Off

CPU SPEED SELECTION (CYRIX MII)									
CPU speed	**Clock speed**	**Multiplier**	**SW1/1**	**SW1/2**	**SW1/3**	**SW1/4**	**SW2/5**	**SW2/6**	**SW2/7**
300MHz	66MHz	3.5x	On	Off	Off	Off	Off	Off	Off
333MHz	83MHz	3x	On	Off	On	Off	Off	On	Off
366MHz	100MHz	2.5x	On	On	On	Off	On	On	Off

CPU SPEED SELECTION (AMD K5)									
CPU speed	**Clock speed**	**Multiplier**	**SW1/1**	**SW1/2**	**SW1/3**	**SW1/4**	**SW2/5**	**SW2/6**	**SW2/7**
100MHz	66MHz	1.5x	On	Off	Off	Off	Off	Off	Off
133MHz	66MHz	2.5x	On	Off	Off	Off	Off	Off	Off
166MHz	66MHz	2.5x	On	Off	Off	Off	On	On	Off

CPU SPEED SELECTION (AMD K6)									
CPU speed	**Clock speed**	**Multiplier**	**SW1/1**	**SW1/2**	**SW1/3**	**SW1/4**	**SW2/5**	**SW2/6**	**SW2/7**
166MHz	66MHz	2.5x	On	Off	Off	Off	On	On	Off
200MHz	66MHz	3x	On	Off	Off	Off	Off	On	Off
233MHz	66MHz	3.5x	On	Off	Off	Off	Off	Off	Off
266MHz	66MHz	4x	On	Off	Off	Off	On	Off	On
300MHz	66MHz	4.5x	On	Off	Off	Off	On	On	On

CPU SPEED SELECTION (AMD K6-2)									
CPU speed	**Clock speed**	**Multiplier**	**SW1/1**	**SW1/2**	**SW1/3**	**SW1/4**	**SW2/5**	**SW2/6**	**SW2/7**
250MHz	100MHz	2.5x	On	On	On	Off	On	On	Off
266MHz	66MHz	4x	On	Off	Off	Off	On	Off	On
300MHz	66MHz	4.5x	On	Off	Off	Off	On	On	On
300MHz	100MHz	3x	On	On	On	Off	Off	On	Off
333MHz	66MHz	5x	On	Off	Off	Off	Off	On	On

333MHz	95MHz	3.5x	Off	On	On	Off	Off	Off	Off
350MHz	100MHz	3.5x	On	On	On	Off	Off	Off	Off
366MHz	66MHz	5.5x	On	Off	Off	Off	Off	Off	On
380MHz	95MHz	4x	Off	On	On	Off	On	Off	On
400MHz	100MHz	4x	On	On	On	Off	On	Off	On

CPU SPEED SELECTION (AMD K6-III)									
CPU speed	**Clock speed**	**Multiplier**	**SW1/1**	**SW1/2**	**SW1/3**	**SW1/4**	**SW2/5**	**SW2/6**	**SW2/7**
400MHz	100MHz	4x	On	On	On	Off	On	Off	On
450MHz	100MHz	4.5x	On	On	On	Off	On	On	On

CPU SPEED SELECTION (PENTIUM)									
CPU speed	**Clock speed**	**Multiplier**	**SW1/1**	**SW1/2**	**SW1/3**	**SW1/4**	**SW2/5**	**SW2/6**	**SW2/7**
100MHz	66MHz	1.5x	On	Off	Off	Off	Off	Off	Off
133MHz	66MHz	2x	On	Off	Off	Off	On	Off	Off
166MHz	66MHz	2.5x	On	Off	Off	Off	On	On	Off
200MHz	66MHz	3x	On	Off	Off	Off	Off	On	Off

CPU SPEED SELECTION (PENTIUM MMX)									
CPU speed	**Clock speed**	**Multiplier**	**SW1/1**	**SW1/2**	**SW1/3**	**SW1/4**	**SW2/5**	**SW2/6**	**SW2/7**
166MHz	66MHz	2.5x	On	Off	Off	Off	On	On	Off
200MHz	66MHz	3x	On	Off	Off	Off	Off	On	Off
233MHz	66MHz	3.5x	On	Off	Off	Off	Off	Off	Off

CPU VOLTAGE SELECTION				
Voltage	**SW2/1**	**SW2/2**	**SW2/3**	**SW2/4**
2.0v	Off	Off	Off	Off
2.1v	On	Off	Off	Off

2.2v	Off	On	Off	Off
2.3v	On	On	Off	Off
2.4v	Off	Off	On	Off
2.6v	Off	On	On	Off
2.7v	On	On	On	Off
2.8v	Off	Off	Off	On
2.9v	On	Off	Off	On
3.0v	Off	On	Off	On
3.1v	On	On	Off	On
3.2v	Off	Off	On	On
3.3v	On	Off	On	On
3.4v	Off	On	On	On
3.5v	On	On	On	On