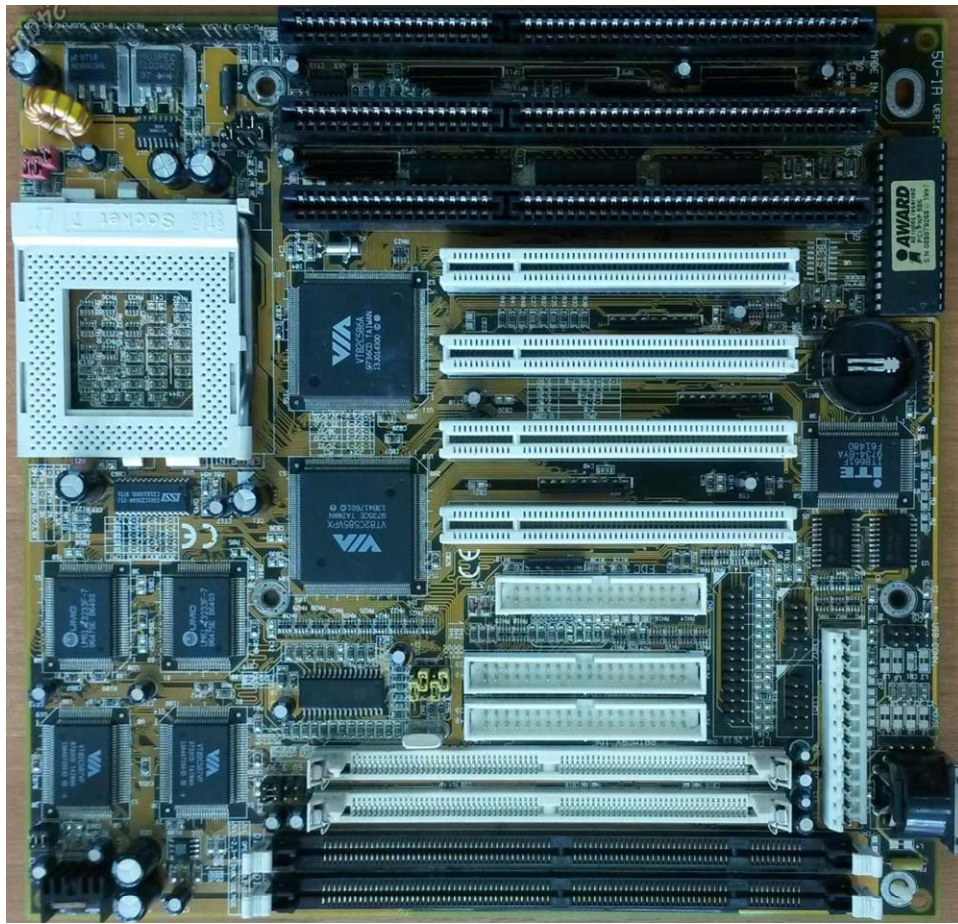


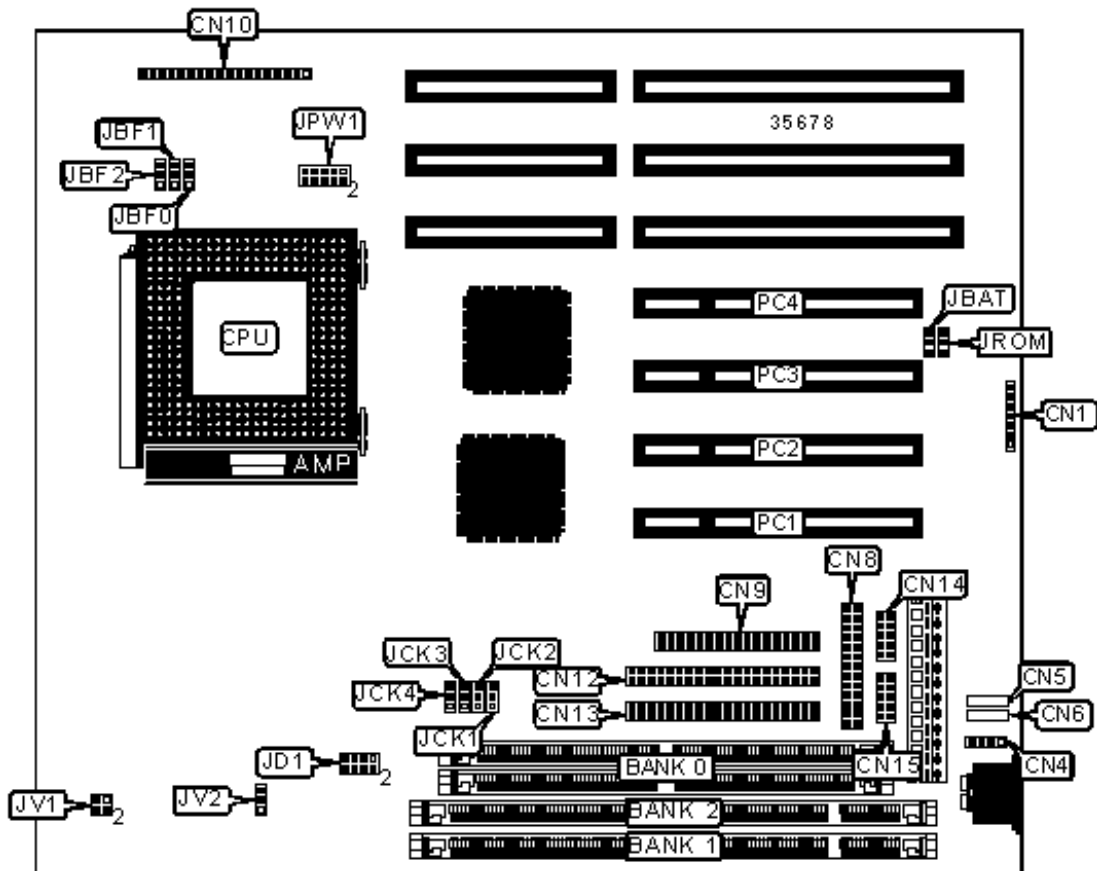
LUCKY STAR TECHNOLOGY CO., LTD.

5V-1A (VER. 2.0)

Processor	Socket 7 Cyrix 6x86/6x86L/686MX/CX II/AM K5/AM K6/AM K6-2/Pentium/ Pentium MMX
Processor Speed	11 to 570MHz
Chipset	VIA Apollo VPX
Front Side Bus options	8*, 50, 55, 60, 66, 75, 83*, 95*
CPU Multiplier Options	1.5x, 2x, 2.5x, 3x, 3.5x, 4x, 4.5x, 5x, 5.5x
CPU Voltage Options	Single Voltage 3.3 or 3.53v Dual Voltage from 2.0 to 3.3v in 0.1v increments
Maximum Memory	512MB (EDO & SDRAM supported)
Cache	256/512KB
BIOS	Award Modular
Dimensions	225mm x 220mm
I/O Options	- PS/2 mouse interface - USB connectors (2) - parallel port - 2x serial ports - IR connector
Expansion options	- four 32-bit PCI slots - tree 16 bit ISA slots
Storage	- floppy drive interface – 2 drives - 2 IDE interfaces (ATA-33) - 4 drives



Motherboard Layout:



CONNECTIONS

Purpose	Location	Purpose	Location
IR connector	CN1	Turbo LED	CN10/pins 13 & 14
PS/2 mouse interface	CN4	Green PC connector	CN10/pins 15 & 16
USB connector	CN5	IDE interface LED	CN10/pins 17 & 18
USB connector	CN6	IDE interface 2	CN12
Parallel port	CN8	IDE interface 1	CN13
Floppy drive interface	CN9	Serial port 2	CN14
Power LED & keylock	CN10/pins 1 – 5	Serial port 1	CN15
Speaker	CN10/pins 6 - 10	32-bit PCI slots	PC1 – PC4
Reset switch	CN10/pins 11 & 12		

USER CONFIGURABLE SETTINGS

Function	Label	Position
» CMOS memory normal operation	JBAT	Pins 1 & 2 closed
CMOS memory clear	JBAT	Pins 2 & 3 closed
PCI CLK select synchronous	JCK4	Pins 1 & 2 closed
PCI CLK select asynchronous	JCK4	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
16MB	(1) 2M x 64	None
32MB	(1) 4M x 64	None
32MB	(1) 2M x 64	(1) 2M 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
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

RAM VOLTAGE CONFIGURATION

Voltage

3.3v

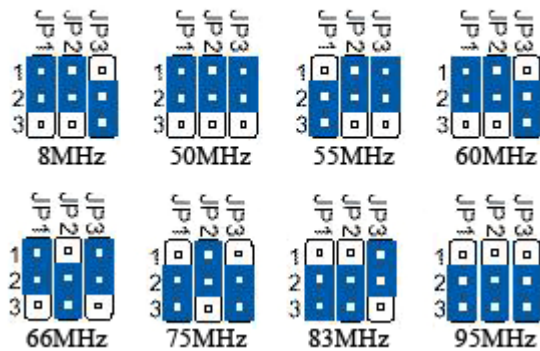
JD1

Pins 5 & 7, 6 & 8 closed

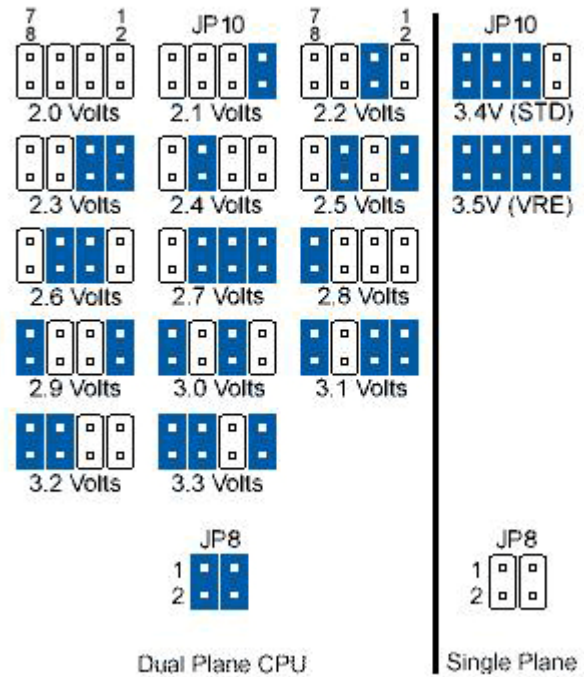
5v

Pins 1 & 3, 2 & 4 closed

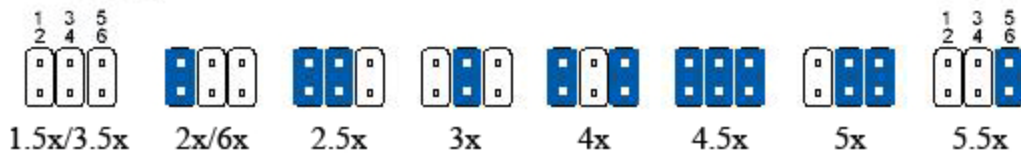
Front Side Bus Jumper Settings



CPU Voltage Selection



CPU Multiplier (JP7)



*AMD K6-II, K6-II+ and K6-III chips interpret 2x as 6x

** AMD K5 and some ITD CPUs interpret multipliers differently. Refer to on chip markings for correct CPU configuration

PS/2 MOUSE INTERFACE PINOUT:

Pin 1	Clock
Pin 2	Data
Pin 3	No connection
Pin 4	Ground
Pin 5	+5V VCC

