LUCKY STAR TECHNOLOGY CO, LTD.

6M810

Device Type	Mainboard
Processor	Celeron
Processor Speed	300A/333/366/400/433/466MHz
Chip Set	Intel
Sound Chip Set	ESS
Maximum Onboard Memory	512MB (SDRAM supported)
Cache	0/128KB (located on the Celeron CPU)
BIOS	Award
Dimensions	244mm x 220mm
I/O Options	32-bit PCI slots (3), floppy drive interface, game/MIDI port, IDE interfaces (2), parallel port, PS/2 mouse port, serial ports (2), VGA port, audio/modem riser slot, IR connector, USB connectors (2), ATX power connector, audio in - CD-ROM, SB-Link connector
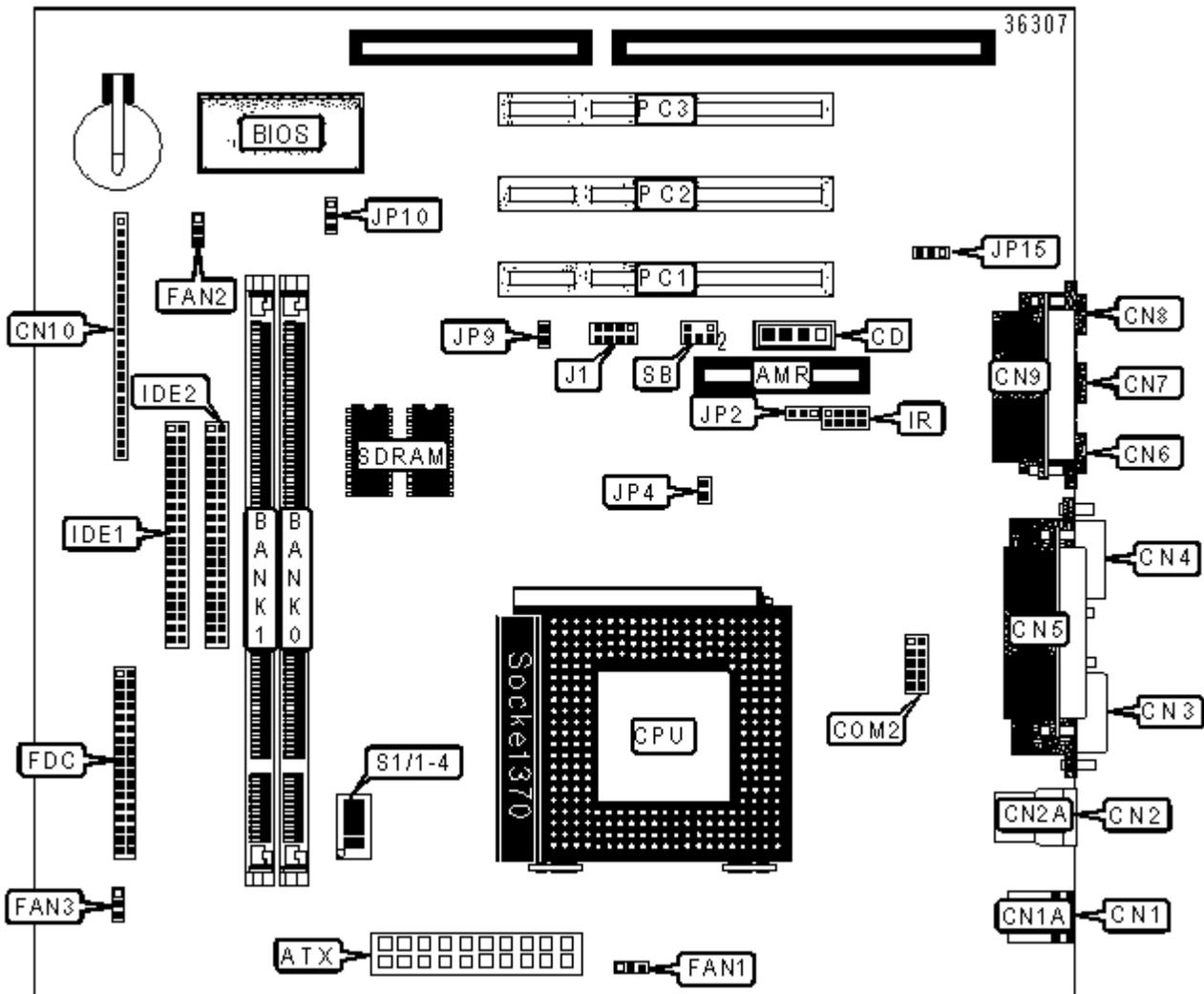
CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
Audio/Modem Riser slot	AMR	Chassis fan power 1	FAN2

ATX power connector	ATX	Chassis fan power 2	FAN3
Audio in - CD-ROM	CD	Floppy drive interface	FDC
PS/2 keyboard port	CN1	IDE interface 1	IDE1
PS/2 mouse port	CN1A	IDE interface 2	IDE2
USB port 1	CN2	IR connector	IR
USB port 2	CN2A	TV output	J1
Serial port 1	CN3	Soft off power supply	JP10/Pins 1 & 2
VGA port	CN4	Turbo LED	JP10/Pins 4 & 5
Parallel port	CN5	IDE interface LED	JP10/Pins 7 & 8
Line out	CN6	Reset switch	JP10/Pins 10 & 11
Line in	CN7	Speaker	JP10/Pins 13 - 16
Microphone in	CN8	Power LED & keylock	JP10/Pins 18 - 22
Game/MIDI port	CN9	32-bit PCI slots	PC1 - PC3
Serial interface	COM2	SB-Link connector	SB
CPU fan power	FAN1		

USER CONFIGURABLE SETTINGS		
Function	**Label**	**Position**
NTSC	JP4	Open
PAL	JP4	Closed
» CMOS memory normal operation	JP10	Pins 1 & 2 closed
CMOS memory clear	JP10	Pins 2 & 3 closed
» On-board audio disabled	JP15	Pins 1 & 2 closed
On-board audio enabled	JP15	Pins 2 & 3 closed
» Factory configured - do not alter	SW1/1	Pins 2 & 3 closed

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
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
128MB	(1) 16M x 64	None
164MB	(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
256MB	(1) 32M x 64	None
264MB	(1) 32M x 64	(1) 1M x 64
272MB	(1) 32M x 64	(1) 2M x 64
288MB	(1) 32M x 64	(1) 4M x 64
320MB	(1) 32M x 64	(1) 8M x 64
384MB	(1) 32M x 64	(1) 16M x 64
512MB	(1) 32M x 64	(1) 32M x 64

Note: Board accepts SDRAM memory.

CACHE CONFIGURATION

Note: 128KB cache is located on the Celeron 300A and greater CPUs.

CPU SPEED SELECTION

CPU Speed	Bus Speed	JP9	S1/1	S1/2	S1/3	S1/4
300A MHz	66 MHz	Closed	On	On	Off	Off
333 MHz	66 MHz	Closed	On	On	Off	Off
366 MHz	66 MHz	Closed	On	On	Off	Off
400 MHz	66 MHz	Closed	On	On	Off	Off
433 MHz	66 MHz	Closed	On	On	Off	Off
466 MHz	66 MHz	Closed	On	On	Off	Off