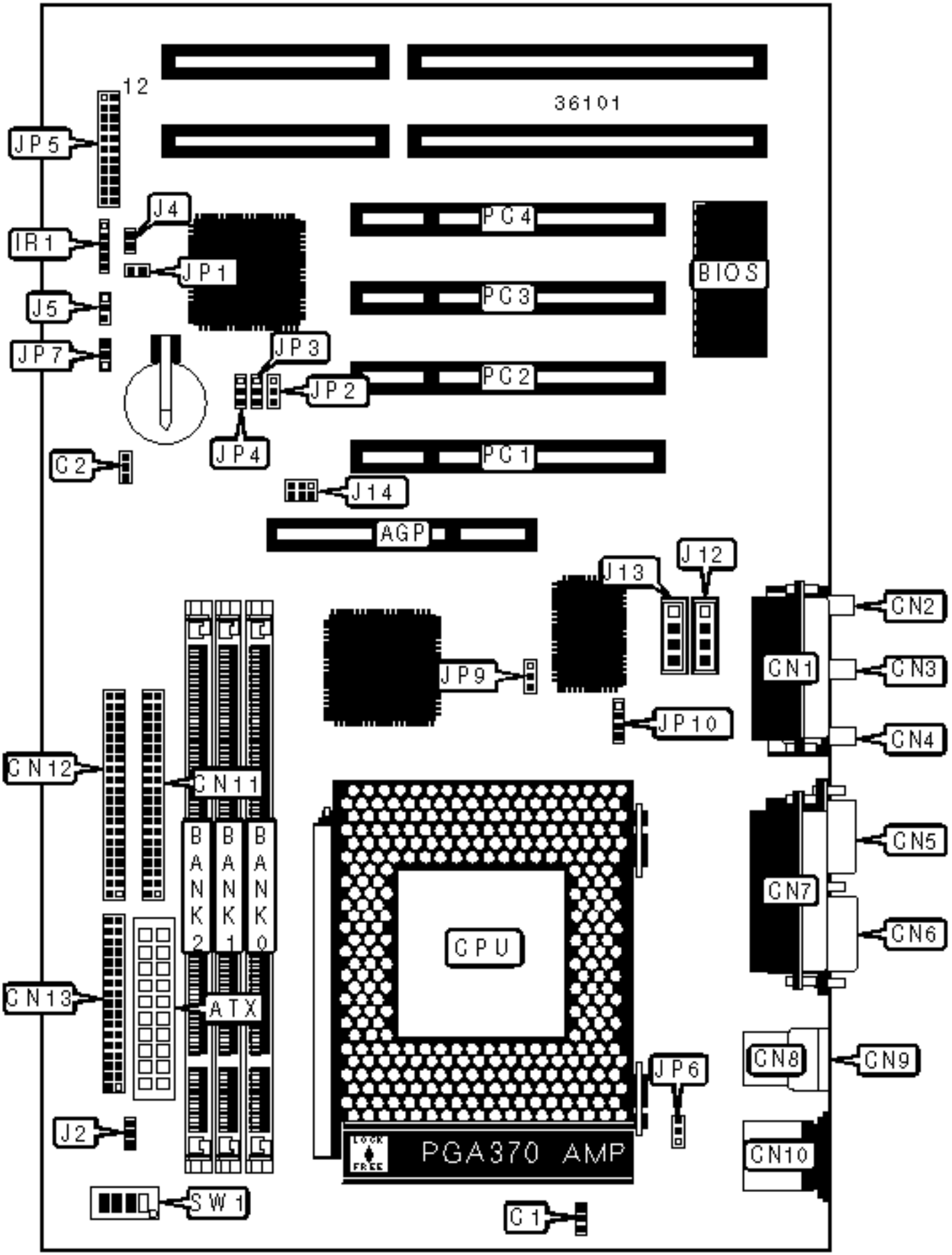
GIGA-BYTE TECHNOLOGY CO., LTD.

GA-6LX7A (VER. 1.0)

Configuration


12
36101
JP5
J4
IR1
JP1
J5
JP7
JP3
JP2
JP4
C2
PC4
PC3
PC2
PC1
AGP
BIOS
J14
J13
J12
JP9
JP10
CN2
CN1
CN3
CN4
CN12
CN11
BANK2
BANK1
BANK0
CPU
CN5
CN7
CN6
CN13
ATX
CN8
CN9
JP6
J2
PGA370 AMP
CN10
SW1
C1

CONNECTIONS

Purpose	Location	Purpose	Location
AGP slot	AGP	IR connector	IR1
ATX power connector	ATX	Power fan power	J2
CPU fan power	C1	Wake on modem connector	J4
Chassis fan power	C2	SB-link connector	J14
Game/MIDI port	CN1	Audio in - CD-ROM	J12
Microphone in	CN2	Audio in - CD-ROM	J13
Line in	CN3	Case open connector	JP1
Line out	CN4	Green PC LED	JP5/pins 1 & 12
Serial port 1	CN5	Reset switch	JP5/pins 3 & 4
Serial port 2	CN6	Speaker	JP5/pins 5 - 8
Parallel port	CN7	IDE interface LED	JP5/pins 9 & 20
USB connector 1	CN8	Green PC connector	JP5/pins 11 & 22
USB connector 2	CN9	Soft off power supply	JP5/pins 15 & 16
PS/2 mouse port	CN10	Power LED	JP5/pins 17 - 19
IDE interface 2	CN11	Wake on LAN connector	JP7
IDE interface 1	CN12	Modem connector	JP10
Floppy drive interface	CN13	32-bit PCI slots	PC1 - PC4

USER CONFIGURABLE SETTINGS

	Function	Label	Position
»	CMOS memory normal operation	J5	Pins 2 & 3 closed
	CMOS memory clear	J5	Pins 1 & 2 closed
»	Keyboard power on disabled	JP6	Pins 2 & 3 closed
	Keyboard power on enabled	JP6	Pins 1 & 2 closed

»	On board sound enabled	JP9	Pins 1 & 2 closed
	On board sound disabled	JP9	Pins 2 & 3 closed

DIMM CONFIGURATION			
Size	Bank 0	Bank 1	Bank 2
8MB	(1) 1M x 64	None	None
16MB	(1) 2M x 64	None	None
16MB	(1) 1M x 64	(1) 1M x 64	None
24MB	(1) 2M x 64	(1) 1M x 64	None
24MB	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64
32MB	(1) 4M x 64	None	None
32MB	(1) 2M x 64	(1) 1M x 64	(1) 1M x 64
32MB	(1) 2M x 64	(1) 2M x 64	None
40MB	(1) 4M x 64	(1) 1M x 64	None
40MB	(1) 2M x 64	(1) 2M x 64	(1) 1M x 64
48MB	(1) 4M x 64	(1) 1M x 64	(1) 1M x 64
48MB	(1) 4M x 64	(1) 2M x 64	None
48MB	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64

DIMM CONFIGURATION (CON'T)			
Size	Bank 0	Bank 1	Bank 2
56MB	(1) 4M x 64	(1) 2M x 64	(1) 1M x 64
64MB	(1) 8M x 64	None	None
64MB	(1) 4M x 64	(1) 2M x 64	(1) 2M x 64
64MB	(1) 4M x 64	(1) 4M x 64	None
72MB	(1) 8M x 64	(1) 1M x 64	None

72MB	(1) 4M x 64	(1) 4M x 64	(1) 1M x 64
80MB	(1) 8M x 64	(1) 1M x 64	(1) 1M x 64
80MB	(1) 8M x 64	(1) 2M x 64	None
80MB	(1) 4M x 64	(1) 4M x 64	(1) 2M x 64
88MB	(1) 8M x 64	(1) 2M x 64	(1) 1M x 64
96MB	(1) 8M x 64	(1) 2M x 64	(1) 2M x 64
96MB	(1) 8M x 64	(1) 4M x 64	None
128MB	(1) 16M x 64	None	None
128MB	(1) 8M x 64	(1) 4M x 64	(1) 4M x 64
128MB	(1) 8M x 64	(1) 8M x 64	None
144MB	(1) 16M x 64	(1) 2M x 64	None
144MB	(1) 8M x 64	(1) 8M x 64	(1) 2M x 64
152MB	(1) 16M x 64	(1) 2M x 64	(1) 1M x 64
160MB	(1) 16M x 64	(1) 2M x 64	(1) 2M x 64
160MB	(1) 16M x 64	(1) 4M x 64	None
192MB	(1) 16M x 64	(1) 4M x 64	(1) 4M x 64
192MB	(1) 16M x 64	(1) 8M x 64	None
224MB	(1) 16M x 64	(1) 8M x 64	(1) 4M x 64
256MB	(1) 32M x 64	None	None
256MB	(1) 16M x 64	(1) 8M x 64	(1) 8M x 64
264MB	(1) 32M x 64	(1) 1M x 64	None
272MB	(1) 32M x 64	(1) 1M x 64	(1) 1M x 64
272MB	(1) 32M x 64	(1) 2M x 64	None
288MB	(1) 32M x 64	(1) 2M x 64	(1) 2M x 64
288MB	(1) 32M x 64	(1) 4M x 64	None
320MB	(1) 32M x 64	(1) 4M x 64	(1) 4M x 64

320MB	(1) 32M x 64	(1) 8M x 64	None
384MB	(1) 32M x 64	(1) 8M x 64	(1) 8M x 64
384MB	(1) 32M x 64	(1) 16M x 64	None
384MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64
512MB	(1) 32M x 64	(1) 16M x 64	(1) 16M x 64
512MB	(1) 32M x 64	(1) 32M x 64	None
768MB	(1) 32M x 64	(1) 32M x 64	(1) 32M x 64
Note: Board accepts EDO & SDRAM memory. Maximum SDRAM is 384MB. Maximum EDO is 768MB.			

CACHE CONFIGURATION

Note: 128KB cache is located on the Celeron CPU.

CPU SPEED SELECTION

CPU speed	Clock speed	Multiplier	JP2	JP3	JP4
366MHz	66MHz	5.5x	2 & 3	2 & 3	2 & 3
400MHz	66MHz	6x	2 & 3	2 & 3	2 & 3
433MHz	66MHz	6.5x	2 & 3	2 & 3	2 & 3
Note: Pins designated should be in the closed position.					

CPU SPEED SELECTION (CON'T)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
366MHz	66MHz	5.5x	Off	Off	Off	On
400MHz	66MHz	6x	On	On	On	Off
433MHz	66MHz	6.5x	Off	On	On	Off