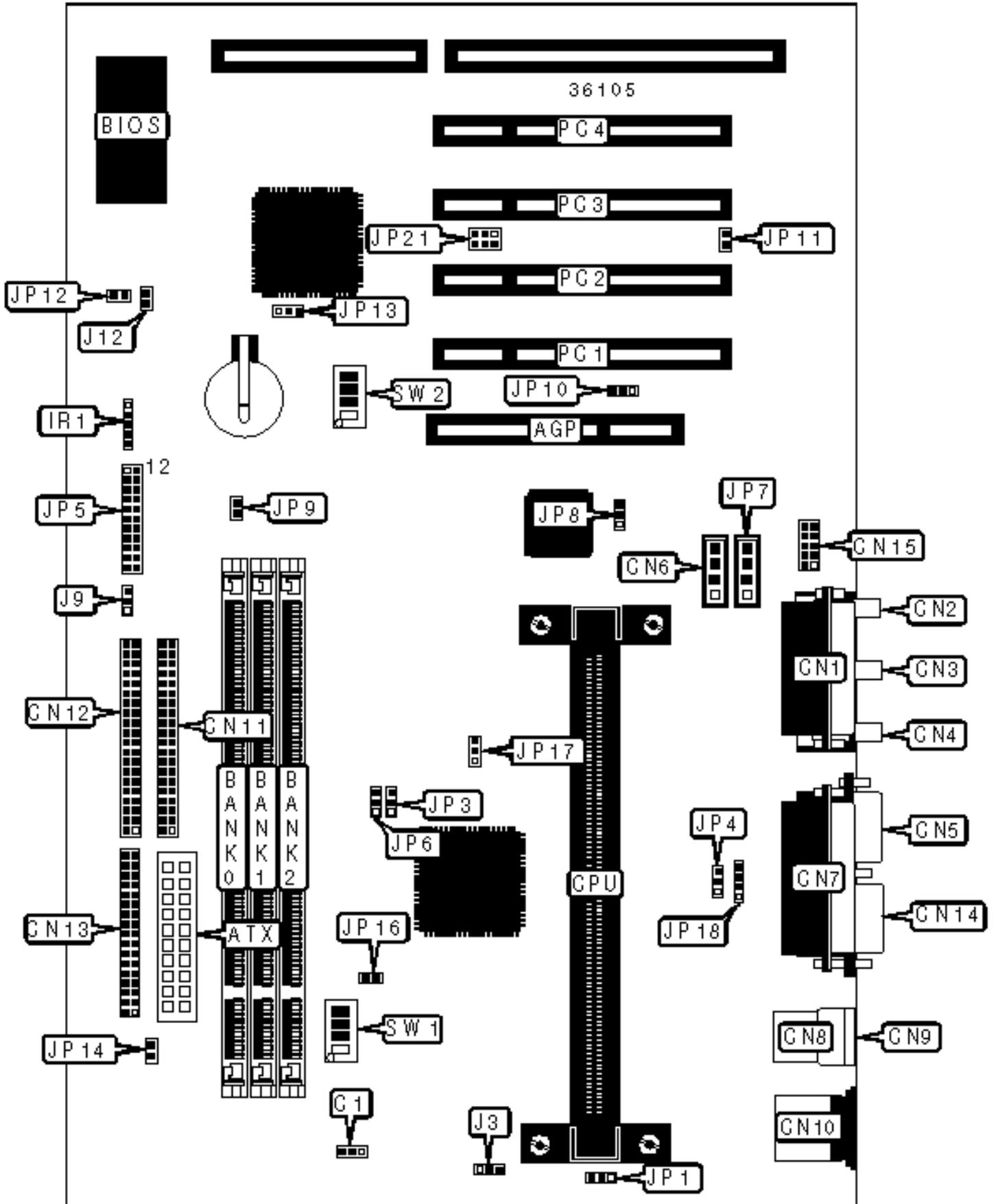


GIGA-BYTE TECHNOLOGY CO., LTD.

GA-6BXM (VER. 1.0)

Configuration



CONNECTIONS

Purpose	Location	Purpose	Location
AGP slot	AGP	IR connector	IR1
ATX power connector	ATX	CPU fan power	J3
Power fan power	C1	Chassis fan power	J9
Game/MIDI port	CN1	Green PC LED	JP5/pins 1 & 12
Microphone in	CN2	Reset switch	JP5/pins 3 & 4
Line in	CN3	Speaker	JP5/pins 5 - 8
Line out	CN4	IDE interface LED	JP5/pins 9 & 20
Serial port 1	CN5	Green PC connector	JP5/pins 11 & 22
Audio in - CD-ROM	CN6	Soft off power supply	JP5/pins 15 & 16
Parallel port	CN7	Power LED	JP5/pins 17 - 19
USB connector 1	CN8	Audio in - CD-ROM	JP7
USB connector 2	CN9	STR LED	JP9
PS/2 mouse port	CN10	Wake on LAN connector	JP10
IDE interface 2	CN11	Case open connector	JP11
IDE interface 1	CN12	Wake on modem connector	JP12
Floppy drive interface	CN13	Modem connector	JP18
VGA port	CN14	SB-link connector	JP21
Serial port 2	CN15	32-bit PCI slots	PC1 - PC4

USER CONFIGURABLE SETTINGS

Function	Label	Position
ATX power supply select soft off	J12	Open
ATX power supply select full on	J12	Closed
» Keyboard power on disabled	JP1	Pins 2 & 3 closed

	Keyboard power on enabled	JP1	Pins 1 & 2 closed
	On board video enabled	JP3	Pins 1 & 2 closed
	On board video disabled	JP3	Pins 2 & 3 closed
»	System acceleration select 100MHz	JP4	Pins 2 & 3 closed
	System acceleration select turbo	JP4	Pins 1 & 2 closed
	VGA INT disabled	JP6	Pins 1 & 2 closed
	VGA INT enabled	JP6	Pins 2 & 3 closed
	On board sound enabled	JP8	Pins 1 & 2 closed
	On board sound disabled	JP8	Pins 2 & 3 closed
»	CMOS memory normal operation	JP13	Pins 2 & 3 closed
	CMOS memory clear	JP13	Pins 1 & 2 closed
	Suspend to RAM function enabled	JP14	Open
	Suspend to RAM function disabled	JP14	Closed
»	Factory configured - do not alter	JP16	Unidentified

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
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
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
96MB	(1) 8M x 64	(1) 4M x 64	None
128MB	(1) 8M x 64	(1) 4M x 64	(1) 4M x 64
128MB	(1) 8M x 64	(1) 8M x 64	None
136MB	(1) 16M x 64	(1) 1M x 64	None
136MB	(1) 8M x 64	(1) 8M x 64	(1) 1M x 64
144MB	(1) 16M x 64	(1) 1M x 64	(1) 1M x 64
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
192MB	(1) 16M x 64	(1) 4M x 64	(1) 4M x 64
192MB	(1) 16M x 64	(1) 8M x 64	None
208MB	(1) 16M x 64	(1) 8M x 64	(1) 2M x 64
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
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) 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.			

CACHE CONFIGURATION

256KB/512KB cache is located on the Pentium II CPU. 128KB cache is located on the Celeron 300A & 333 CPU.

VIDEO MEMORY CONFIGURATION

Note: The location of the video memory is unidentified.

CPU SPEED SELECTION (CELERON)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
266MHz	66MHz	4x	On	Off	Off	On
300MHz	66MHz	4.5x	On	Off	Off	On
333MHz	66MHz	5x	On	Off	Off	On
366MHz	66MHz	5.5x	On	Off	Off	On
400MHz	66MHz	6x	On	Off	Off	On
433MHz	66MHz	6.5x	On	Off	Off	On

CPU SPEED SELECTION (CELERON, CON'T)

CPU speed	Clock speed	Multiplier	SW2/1	SW2/2	SW2/3	SW2/4
266MHz	66MHz	4x	On	On	Off	On

300MHz	66MHz	4.5x	Off	On	Off	On
333MHz	66MHz	5x	On	Off	Off	On
366MHz	66MHz	5.5x	Off	Off	Off	On
400MHz	66MHz	6x	On	On	On	Off
433MHz	66MHz	6.5x	Off	On	On	Off

CPU SPEED SELECTION (PENTIUM II)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
266MHz	66MHz	4x	On	Off	Off	On
300MHz	66MHz	4.5x	On	Off	Off	On
333MHz	66MHz	5x	On	Off	Off	On
366MHz	66MHz	5.5x	On	Off	Off	On
400MHz	66MHz	6x	On	Off	Off	On
433MHz	66MHz	6.5x	On	Off	Off	On
350MHz	100MHz	3.5x	Off	Off	Off	Off
400MHz	100MHz	4x	Off	Off	Off	Off
450MHz	100MHz	4.5x	Off	Off	Off	Off
500MHz	100MHz	5x	Off	Off	Off	Off
550MHz	100MHz	5.5x	Off	Off	Off	Off
600MHz	100MHz	6x	Off	Off	Off	Off
650MHz	100MHz	6.5x	Off	Off	Off	Off

CPU SPEED SELECTION (PENTIUM II, CON'T)

CPU speed	Clock speed	Multiplier	SW2/1	SW2/2	SW2/3	SW2/4
266MHz	66MHz	4x	On	On	Off	On
300MHz	66MHz	4.5x	Off	On	Off	On

333MHz	66MHz	5x	On	Off	Off	On
366MHz	66MHz	5.5x	Off	Off	Off	On
400MHz	66MHz	6x	On	On	On	Off
433MHz	66MHz	6.5x	Off	On	On	Off
350MHz	100MHz	3.5x	Off	Off	On	On
400MHz	100MHz	4x	On	On	Off	On
450MHz	100MHz	4.5x	Off	On	Off	On
500MHz	100MHz	5x	On	Off	Off	On
550MHz	100MHz	5.5x	Off	Off	Off	On
600MHz	100MHz	6x	On	On	On	Off
650MHz	100MHz	6.5x	Off	On	On	Off

AGP SELECTION

Setting	JP17
Normal	Open
Special	Pins 1 & 2 closed
GA-612	Pins 2 & 3 closed