GIGA-BYTE TECHNOLOGY CO., LTD.

GA-6W0Z7 (REV. 1.3)

Device Type	Mainboard
Processor	Celeron
Processor Speed	200/233/266/300/333/366/400/433/466/500/533MHz
Chip Set	Intel 810
Video Chip Set	Unidentified
Audio Chip Set	Yamaha
Maximum Onboard Memory	512MB (SDRAM supported)
Maximum Video Memory	Unidentified
Maximum Audio Memory	Unidentified
Cache	0/128KB (located on the Celeron CPU)
BIOS	Award
Dimensions	257mm x 205mm (mini-NXL)
I/O Options	Audio in - CD-ROM, auxiliary in, DFP port, diagnostic LED connectors (4), game interface, RJ-45 LAN connector, line in, line out, microphone in, parallel port, PS/2 keyboard port, PS/2 mouse port, serial interface, serial port, SPDIF connector, STR LED connector, USB ports (2), VGA port, proprietary connector, voice modem connector
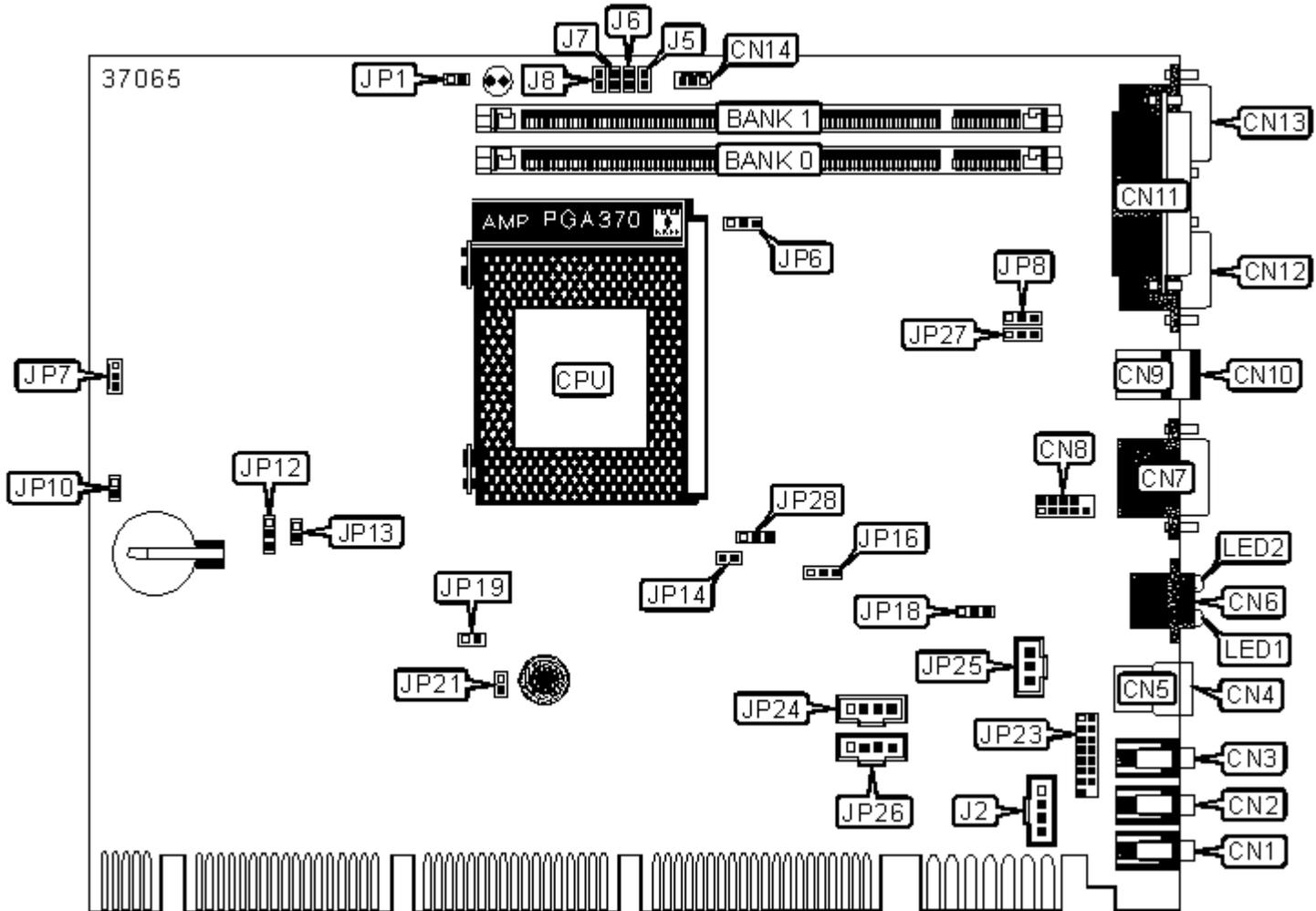
CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**

Line out	CN1	CPU fan power	CN14
Line in	CN2	Audio in - CD-ROM	J2
Microphone in	CN3	Diagnostic LED connector	J5
USB port 1	CN4	Diagnostic LED connector	J6
USB port 2	CN5	Diagnostic LED connector	J7
RJ-45 LAN connector	CN6	Diagnostic LED connector	J8
DFP port	CN7	STR LED connector	JP1
Serial interface 2	CN8	System fan power	JP7
PS/2 mouse port	CN9	Chassis intrusion connector	JP10
PS/2 keyboard port	CN10	Game interface	JP23
Parallel port	CN11	Voice modem connector	JP24
VGA port	CN12	SPDIF connector	JP25
Serial port 1	CN13	Auxiliary in	JP26

USER CONFIGURABLE SETTINGS		
Function	**Label**	**Position**
» Power-on by keyboard disabled	JP8	Pins 2 & 3 closed
Power-on by keyboard enabled	JP8	Pins 1 & 2 closed
» CMOS memory normal operation	JP12	Pins 2 & 3 closed
CMOS memory clear	JP12	Pins 1 & 2 closed
» STR/Wake-on-LAN disabled	JP13	Open
STR/Wake-on-LAN enabled	JP13	Closed
» Reboot on timeout	JP14	Open
Do not reboot on timeout	JP14	Closed
» Onboard LAN enabled	JP16	Pins 2 & 3 closed
Onboard LAN disabled	JP16	Pins 1 & 2 closed
» Onboard audio enabled	JP18	Pins 2 & 3 closed
Onboard audio disabled	JP18	Pins 1 & 2 closed

»	Top block is locked	JP19	Open
	Top block is unlocked	JP19	Closed
»	Buzzer enabled	JP21	Closed
	Buzzer disabled	JP21	Open
»	Wake-on-USB keyboard disabled	JP27	Pins 2 & 3 closed
	Wake-on-USB keyboard enabled	JP27	Pins 1 & 2 closed

DIMM CONFIGURATION		
Size	**Bank 0**	**Bank 1**
8MB	(1) 1M x 64	None
16MB	(1) 1M x 64	(1) 1M x 64
16MB	(1) 2M x 64	None
24MB	(1) 2M x 64	(1) 1M x 64
32MB	(1) 2M x 64	(1) 2M x 64
32MB	(1) 4M x 64	None
40MB	(1) 4M x 64	(1) 1M x 64
48MB	(1) 4M x 64	(1) 2M x 64
64MB	(1) 4M x 64	(1) 4M x 64
64MB	(1) 8M x 64	None
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
136MB	(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 supports SDRAM memory.
Note: PC100 modules must be used.

CACHE CONFIGURATION

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

SYSTEM BUS FORCED SPEED SELECTION

Setting	JP6
Auto	Pins 1 & 2 closed
Force 66MHz	Pins 2 & 3 closed
Force 100MHz	Open

SYSTEM BOOT SELECTION

Setting	JP28
Normal	Pins 1 & 2 closed
Safe mode	Pins 2 & 3 closed
Recovery	Open

DIAGNOSTIC LED(S)

LED	Color	Status	Condition
LED1	Yellow	On	LAN is active
LED1	Yellow	Off	LAN is not active
LED2	Green	On	Network connection is good

LED2	Green	Off	Network connection is broken