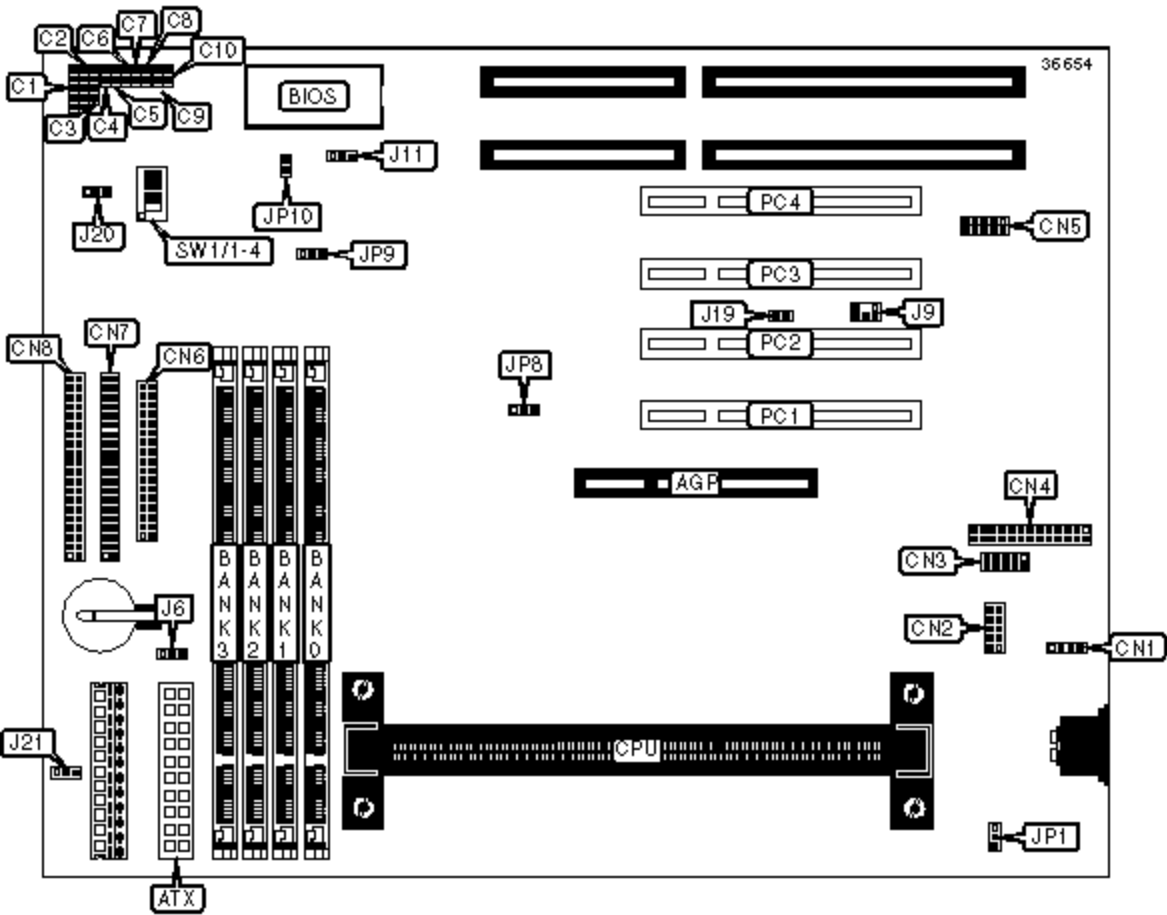


GIGA-BYTE TECHNOLOGY CO., LTD.

GA-6VA (REV. 2.8)

Device Type	Mainboard
Processor	Celeron/Pentium II/Pentium III
Processor Speed	233/266/300/333/350/366/400/433/450/500/550/600/650MHz
Chip Set	VIA
Maximum Onboard Memory	1GB (SDRAM supported)
Cache	0/128/256/512KB (located on the CPU)
BIOS	Award
Dimensions	255mm x 222mm
I/O Options	32-bit PCI slots (4), floppy drive interface, green PC connector, IDE interfaces (2), parallel interface, PS/2 mouse interface, serial interfaces (2), IR connector, USB interface, ATX power connector, AGP slot, SB-link connector, Wake-on-LAN connector, Power-on-ring connector



CONNECTIONS			
Purpose	Location	Purpose	Location
AGP slot	AGP	Serial interface 2	CN3
ATX power connector	ATX	Parallel interface	CN4
IR connector	C1	USB interface	CN5
Power LED & Keylock	C2	Floppy drive interface	CN6
PC speaker	C3	IDE interface 1	CN7

Turbo LED	C4	IDE interface 2	CN8
Turbo switch	C5	CPU fan power	J6
Reset switch	C6	SB-link connector	J9
Green PC LED	C7	Wake-on-LAN connector	J11
Green PC connector	C8	Power-on-ring connector	J19
IDE interface LED	C9	System fan power	J20
Soft power switch	C10	Power supply fan power	J21
PS/2 mouse interface	CN1	Case open connector	JP10
Serial interface 1	CN2	32-bit PCI slots	PC1 - PC4

USER CONFIGURABLE SETTINGS			
Function		Label	Position
	Keyboard power-on disabled	JP1	Pins 2 & 3 closed
	Keyboard power-on enabled	JP1	Pins 1 & 2 closed
»	CMOS normal operation	JP9	Pins 2 & 3 closed
	CMOS clear memory	JP9	Pins 1 & 2 closed

DIMM CONFIGURATION				
Size	Bank 0	Bank 1	Bank 2	Bank 3
16MB	(1) 2M x 64	None	None	None
32MB	(1) 2M x 64	(1) 2M x 64	None	None
32MB	(1) 4M x 64	None	None	None
48MB	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64	None
64MB	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64
64MB	(1) 4M x 64	(1) 4M x 64	None	None
64MB	(1) 8M x 64	None	None	None
96MB	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64	None

96MB	(1) 4M x 64	(1) 4M x 64	(1) 2M x 64	(1) 2M x 64
128MB	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64
128MB	(1) 8M x 64	(1) 8M x 64	None	None
128MB	(1) 16M x 64	None	None	None
160MB	(1) 8M x 64	(1) 8M x 64	(1) 2M x 64	(1) 2M x 64
192MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64	None
192MB	(1) 8M x 64	(1) 8M x 64	(1) 4M x 64	(1) 4M x 64
256MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64
256MB	(1) 16M x 64	(1) 16M x 64	None	None
256MB	(1) 32M x 64	None	None	None
288MB	(1) 16M x 64	(1) 16M x 64	(1) 2M x 64	(1) 2M x 64
320MB	(1) 16M x 64	(1) 16M x 64	(1) 4M x 64	(1) 4M x 64
384MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64	None
384MB	(1) 16M x 64	(1) 16M x 64	(1) 8M x 64	(1) 8M x 64
512MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64
512MB	(1) 32M x 64	(1) 32M x 64	None	None
544MB	(1) 32M x 64	(1) 32M x 64	(1) 2M x 64	(1) 2M x 64
576MB	(1) 32M x 64	(1) 32M x 64	(1) 4M x 64	(1) 4M x 64
640MB	(1) 32M x 64	(1) 32M x 64	(1) 8M x 64	(1) 8M x 64
768MB	(1) 32M x 64	(1) 32M x 64	(1) 32M x 64	None
768MB	(1) 32M x 64	(1) 32M x 64	(1) 16M x 64	(1) 16M x 64
1024MB	(1) 32M x 64	(1) 32M x 64	(1) 32M x 64	(1) 32M x 64
Note: Board supports SDRAM memory.				

CACHE CONFIGURATION
Note: 256/512KB cache is located on the Pentium II/III CPU. 128KB cache is located on the Celeron 300A & 333 CPU.

CPU SPEED SELECTION (CELERON)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	JP8
233MHz	66MHz	3.5x	Off	Off	On	On	1 & 2
266MHz	66MHz	4x	On	On	Off	On	1 & 2
300MHz	66MHz	4.5x	Off	On	Off	On	1 & 2
333MHz	66MHz	5x	On	Off	Off	On	1 & 2
366MHz	66MHz	5.5x	Off	Off	Off	On	1 & 2
400MHz	66MHz	6x	On	On	On	Off	1 & 2
433MHz	66MHz	6.5x	Off	On	On	Off	1 & 2
Note: Designated pins should be in the closed postion							

CPU SPEED SELECTION (PENTIUM II)							
CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	JP8
233MHz	66MHz	3.5x	Off	Off	On	On	1 & 2
266MHz	66MHz	4x	On	On	Off	On	1 & 2
300MHz	66MHz	4.5x	Off	On	Off	On	1 & 2
333MHz	66MHz	5x	On	Off	Off	On	1 & 2
350MHz	100MHz	3.5x	Off	Off	On	On	Open
366MHz	66MHz	5.5x	Off	Off	Off	On	1 & 2
400MHz	66MHz	6x	On	On	On	Off	1 & 2
400MHz	100MHz	4x	On	On	Off	On	Open
433MHz	66MHz	6.5x	Off	On	On	Off	1 & 2
Note: Designated pins should be in the closed postion							

CPU SPEED SELECTION (PENTIUM III)							
CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	JP8
450MHz	100MHz	4.5x	Off	On	Off	On	Open
500MHz	100MHz	5x	On	Off	Off	On	Open

