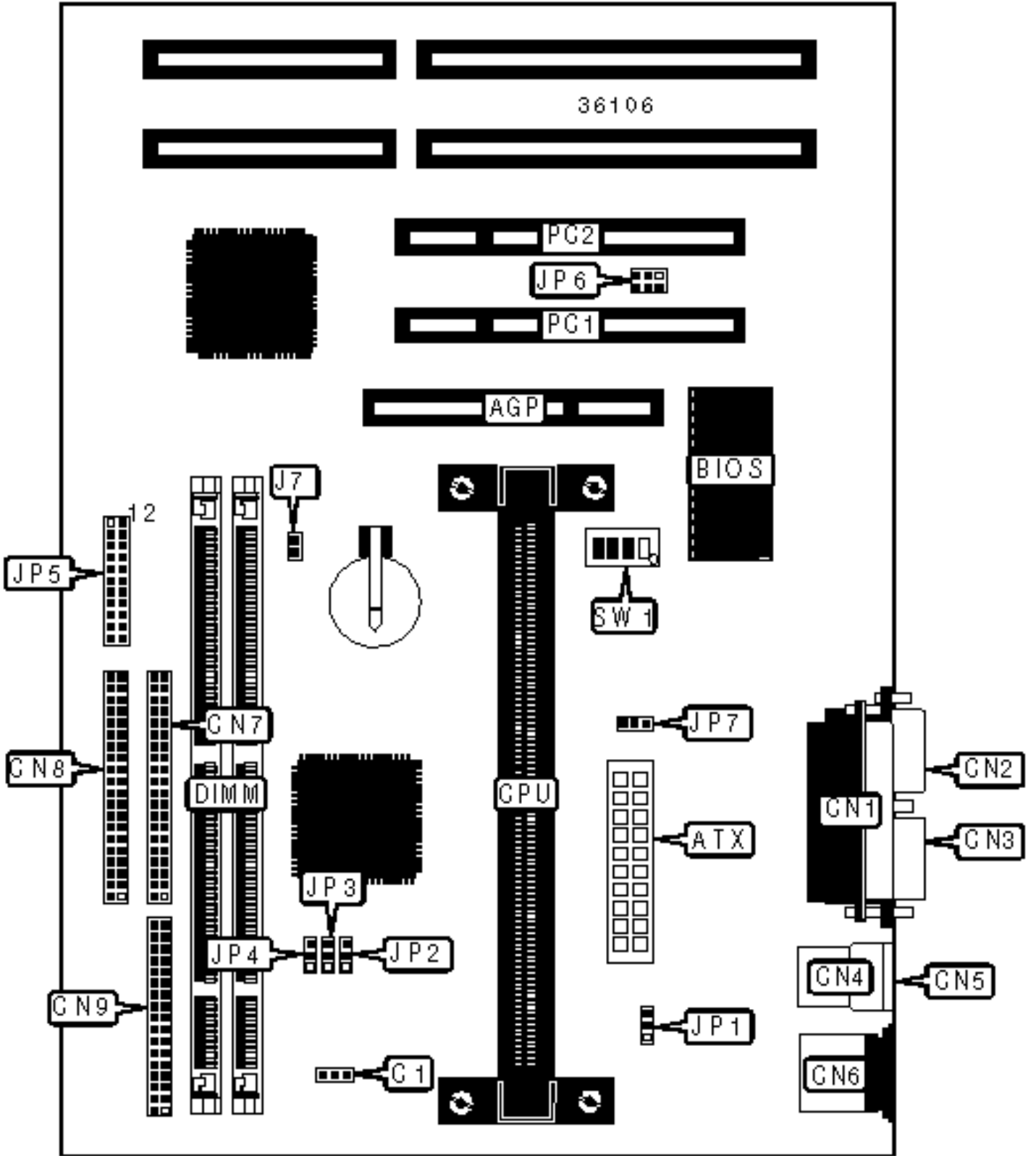


GIGA-BYTE TECHNOLOGY CO., LTD.

GA-6EM (REV. 1.0)

Configuration



CONNECTIONS

Purpose	Location	Purpose	Location
AGP slot	AGP	Floppy drive interface	CN9
ATX power connector	ATX	Green PC LED	JP5/pins 1 & 12
Chassis fan power	C1	Reset switch	JP5/pins 3 & 4
Parallel port	CN1	Speaker	JP5/pins 5 - 8
Serial port 1	CN2	IDE interface LED	JP5/pins 9 & 20
Serial port 2	CN3	Green PC connector	JP5/pins 11 & 22
USB connector 1	CN4	Soft off power supply	JP5/pins 15 & 16
USB connector 2	CN5	Power LED	JP5/pins 17 - 19
PS/2 mouse port	CN6	SB-link connector	JP6
IDE interface 2	CN7	Wake on LAN connector	JP7
IDE interface 1	CN8	32-bit PCI slots	PC1 - PC2

USER CONFIGURABLE SETTINGS

Function	Label	Position
ATX power supply select soft off	J7	Open
ATX power supply select full on	J7	Closed
Keyboard power on disabled	JP1	Pins 2 & 3 closed
Keyboard power on enabled	JP1	Pins 1 & 2 closed

DIMM CONFIGURATION

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) 16M x 64	None
128MB	(1) 8M x 64	(1) 8M x 64
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
Note: Board accepts EDO & SDRAM memory.		

CACHE CONFIGURATION

Note: 256KB/512KB cache is located on the Pentium II CPU.

CPU SPEED SELECTION

CPU speed	Clock speed	Multiplier	JP2	JP3	JP4
200MHz	66MHz	3x	1 & 2	1 & 2	1 & 2
233MHz	66MHz	3.5x	1 & 2	1 & 2	1 & 2

266MHz	66MHz	4x	1 & 2	1 & 2	1 & 2
300MHz	66MHz	4.5x	1 & 2	1 & 2	1 & 2
333MHz	66MHz	5x	1 & 2	1 & 2	1 & 2
366MHz	66MHz	5.5x	1 & 2	1 & 2	1 & 2

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
200MHz	66MHz	3x	On	Off	On	On
233MHz	66MHz	3.5x	Off	Off	On	On
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