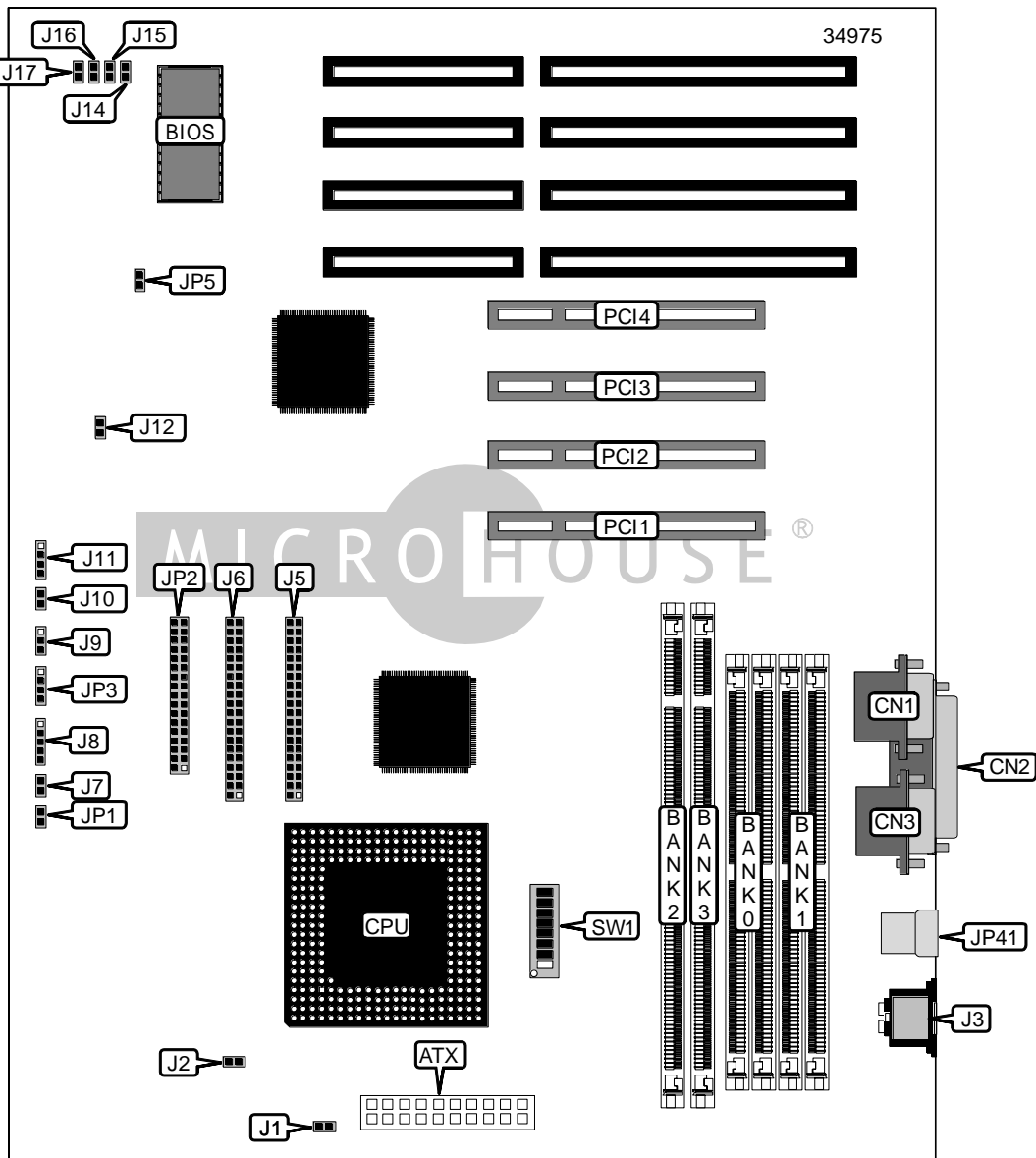


GIGA-BYTE TECHNOLOGY CO., LTD.

GA-586ATX (Rev. 3.0)

Device Type	Mainboard
Processor	Pentium/MMX/P54CT/P54CTB/AMD-K5/AMD-K6/CX 6X86/IBM 6X86/CX 6X86L/IBM 6X86L/CX 6X86MX/IBM 6X86MX
Processor Speed	90/100/120/133/150/166/180/200/233
Chip Set	Intel
Maximum Onboard Memory	256MB DRAM (EDO supported)
Cache	512KB
BIOS	Award
Video Chip Set	None
Maximum Video Memory	None
I/O Options	32-bit PCI slots (4), floppy drive interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse port, PS/2 keyboard port, serial ports (2), USB connector, ATX power connector, IR connector
Dimensions	210mm x 304mm



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CONNECTIONS			
Purpose	Location	Purpose	Location
ATX power connector	ATX	Reset switch	J10
Serial port 1	CN1	Speaker	J11
Serial port 2	CN3	Unidentified	J12
Parallel port	CN2	Green PC LED	J14
CPU fan power	J1	Turbo switch connector	J15
Unidentified	J2	Turbo LED	J16
PS/2 mouse port	J3	Keylock	J17
IDE interface 2	J5	Soft power connector	JP1
IDE interface 1	J6	Floppy drive interface	JP2
Green PC connector	J7	IDE interface LED	JP3
IR connector	J8	USB connector	JP41
Power LED	J9	32-bit PCI slots	PCI1-4

USER CONFIGURABLE SETTINGS		
Function	Label	Position
System Full On after power	JP5	Closed
System Soft Off after power	JP5	Open

SIMM/DIMM CONFIGURATION				
Size	Bank 0	Bank 1	Bank 2	Bank 3
8MB	(2) 1M x 36	None	None	None
8MB	None	None	(1) 1M x 64	None
16MB	(2) 2M x 36	None	None	None
16MB	None	None	(1) 2M x 64	None
16MB	(2) 1M x 36	(2) 1M x 36	None	None
16MB	(2) 1M x 36	None	None	(1) 1M x 64
16MB	None	None	(1) 1M x 64	(1) 1M x 64
24MB	None	(2) 1M x 36	(1) 2M x 64	None
24MB	None	(2) 2M x 36	(1) 1M x 64	None
24MB	(2) 2M x 36	(2) 1M x 36	None	None
24MB	None	None	(1) 1M x 64	(1) 2M x 64
24MB	None	(2) 1M x 36	(1) 1M x 64	(1) 1M x 64
32MB	None	None	(1) 2M x 64	(1) 2M x 64
32MB	None	(2) 1M x 36	(1) 1M x 64	(1) 2M x 64
32MB	None	(2) 2M x 36	(1) 1M x 64	(1) 1M x 64
32MB	(2) 4M x 36	None	None	None
32MB	None	None	(1) 4M x 64	None
32MB	(2) 2M x 36	(2) 2M x 36	None	None
32MB	None	(2) 2M x 36	(1) 2M x 64	None

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DIMM/SIMM CONFIGURATION (CON'T)				
Size	Bank 0	Bank 1	Bank 2	Bank 3
40MB	(2) 4M x 36	(2) 1M x 36	None	None
40MB	None	(2) 1M x 36	(1) 2M x 64	(1) 2M x 64
40MB	None	(2) 2M x 36	(1) 1M x 64	(1) 2M x 64
40MB	None	None	(1) 1M x 64	(1) 4M x 64
40MB	None	(2) 4M x 36	(1) 1M x 64	None
48MB	None	None	(1) 2M x 64	(1) 4M x 64
48MB	None	(2) 2M x 36	(1) 4M x 64	None
48MB	None	(2) 1M x 36	(1) 1M x 64	(1) 4M x 64
48MB	None	(2) 2M x 36	(1) 2M x 64	(1) 2M x 64
48MB	None	(2) 4M x 36	(1) 1M x 64	(1) 1M x 64
48MB	(2) 4M x 36	(2) 2M x 36	None	None
48MB	None	(2) 2M x 36	(1) 4M x 64	None
48MB	None	(2) 4M x 36	(1) 2M x 64	None
56MB	None	(2) 1M x 36	(1) 2M x 64	(1) 4M x 64
56MB	None	(2) 2M x 36	(1) 1M x 64	(1) 4M x 64
56MB	None	(2) 4M x 36	(1) 2M x 64	(1) 1M x 64
64MB	None	None	(1) 4M x 64	(1) 4M x 64
64MB	None	(2) 2M x 36	(1) 2M x 64	(1) 4M x 64
64MB	None	(2) 4M x 36	(1) 2M x 64	(1) 2M x 64
64MB	(2) 8M x 36	None	None	None
64MB	None	None	(1) 8M x 64	None
64MB	(2) 4M x 36	(2) 4M x 36	None	None
64MB	None	(2) 4M x 36	(1) 4M x 64	None
72MB	(2) 8M x 36	(2) 1M x 36	None	None
72MB	None	(2) 8M x 36	(1) 1M x 64	None
72MB	None	(2) 1M x 36	(1) 4M x 64	(1) 4M x 64
72MB	None	(2) 4M x 36	(1) 1M x 64	(1) 4M x 64
72MB	None	None	(1) 1M x 64	(1) 8M x 64
80MB	None	None	(1) 2M x 64	(1) 8M x 64
80MB	None	(2) 2M x 36	(1) 4M x 64	(1) 4M x 64
80MB	None	(2) 4M x 36	(1) 2M x 64	(1) 4M x 64
80MB	None	(2) 8M x 36	(1) 1M x 64	(1) 1M x 64
80MB	(2) 8M x 36	(2) 2M x 36	None	None
80MB	None	(2) 8M x 36	(1) 2M x 64	None
88MB	None	(2) 8M x 36	(1) 1M x 64	(1) 2M x 64
96MB	None	None	(1) 4M x 64	(1) 8M x 64
96MB	None	(2) 4M x 36	(1) 4M x 64	(1) 4M x 64
96MB	None	(2) 8M x 36	(1) 2M x 64	(1) 2M x 64

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DIMM/SIMM CONFIGURATION (CON'T)				
Size	Bank 0	Bank 1	Bank 2	Bank 3
96MB	(2) 4M x 36	(2) 8M x 36	None	None
96MB	None	(2) 8M x 36	(1) 4M x 64	None
104MB	None	(2) 8M x 36	(1) 1M x 64	(1) 4M x 64
112MB	None	(2) 8M x 36	(1) 2M x 64	(1) 4M x 64
128MB	(2) 16M x 36	None	None	None
128MB	(2) 8M x 36	(2) 8M x 36	None	None
128MB	None	(2) 8M x 36	(1) 4M x 64	(1) 4M x 64
128MB	None	None	(1) 8M x 64	(1) 8M x 64
136MB	None	(2) 16M x 36	(1) 1M x 64	None
136MB	(2) 16M x 36	(2) 1M x 36	None	None
144MB	(2) 16M x 36	(2) 2M x 36	None	None
144MB	None	(2) 16M x 36	(1) 2M x 64	None
144MB	None	(2) 16M x 36	(1) 1M x 64	(1) 1M x 64
152MB	None	(2) 16M x 36	(1) 1M x 64	(1) 2M x 64
160MB	None	(2) 16M x 36	(1) 2M x 64	(1) 2M x 64
160MB	(2) 16M x 36	(2) 4M x 36	None	None
160MB	None	(2) 16M x 36	(1) 4M x 64	None
168MB	None	(2) 16M x 36	(1) 1M x 64	(1) 4M x 64
176MB	None	(2) 16M x 36	(1) 2M x 64	(1) 4M x 64
192MB	None	(2) 16M x 36	(1) 4M x 64	(1) 4M x 64
192MB	(2) 8M x 36	(2) 16M x 36	None	None
256MB	(2) 16M x 36	(2) 16M x 36	None	None

Note: Board accepts EDO memory.

CACHE CONFIGURATION
Note: 512KB cache is factory installed and is not configurable. The location is unidentified.

CPU SPEED SELECTION (CX 6X86)						
CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/8
150MHz	60MHz	2x	On	On	Off	Off
166MHz	66MHz	2x	Off	On	Off	Off

CPU SPEED SELECTION (IBM 6X86)						
CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/8
150MHz	60MHz	2x	On	On	Off	Off
166MHz	66MHz	2x	Off	On	Off	Off

CPU SPEED SELECTION (CX 6X86L)						
CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/8
150MHz	60MHz	2x	On	On	Off	Off
166MHz	66MHz	2x	Off	On	Off	Off

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CPU SPEED SELECTION (IBM 6X86L)						
CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/8
150MHz	60MHz	2x	On	On	Off	Off
166MHz	66MHz	2x	Off	On	Off	Off

CPU SPEED SELECTION (CX 6X86MX)						
CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/8
166MHz	60MHz	2.5x	On	On	On	Off
200MHz	66MHz	2.5x	Off	On	On	Off
233MHz	66MHz	3x	Off	Off	On	Off

CPU SPEED SELECTION (IBM 6X86MX)						
CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/8
166MHz	60MHz	2.5x	On	On	On	Off
200MHz	66MHz	2.5x	Off	On	On	Off
233MHz	66MHz	3x	Off	Off	On	Off

CPU SPEED SELECTION (AM K5)						
CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/8
133MHz	66MHz	2x	Off	On	Off	Off
166MHz	66MHz	2.5x	Off	On	On	Off

CPU SPEED SELECTION (AM K6)						
CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/8
166MHz	66MHz	2.5x	Off	On	On	Off
180MHz	60MHz	3x	On	Off	On	Off
200MHz	66MHz	3x	Off	Off	On	Off
233MHz	66MHz	3.5x	Off	Off	Off	Off

CPU SPEED SELECTION (INTEL)						
CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/8
90MHz	60MHz	1.5x	On	Off	Off	Off
100MHz	66MHz	1.5x	Off	Off	Off	Off
120MHz	60MHz	2x	On	On	Off	Off
133MHz	66MHz	2x	Off	On	Off	Off
150MHz	60MHz	2.5x	On	On	On	Off
166MHz	66MHz	2.5x	Off	On	On	Off
180MHz	60MHz	3x	On	Off	On	Off
200MHz	66MHz	3x	Off	Off	On	Off

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CPU SPEED SELECTION (INTEL MMX)						
CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/8
150MHz	60MHz	2.5x	On	On	On	Off
166MHz	66MHz	2.5x	Off	On	On	Off
200MHz	66MHz	3x	Off	Off	On	Off
233MHz	66MHz	3.5x	Off	Off	Off	Off

CPU VOLTAGE SELECTION				
Voltage	SW1/4	SW1/5	SW1/6	SW1/7
Auto	Off	Off	Off	On
2.0	Off	Off	Off	Off
2.1	Off	Off	On	Off
2.2	Off	On	Off	Off
2.3	Off	On	On	Off
2.4	On	Off	Off	Off
2.5	On	Off	On	Off
2.6	On	On	Off	Off
2.7	On	On	On	Off
2.8	Off	Off	Off	On
2.9	Off	Off	On	On
3.0	Off	On	Off	On
3.1	Off	On	On	On
3.2	On	Off	Off	On
3.3	On	Off	On	On
3.4	On	On	Off	On
3.5	On	On	On	On