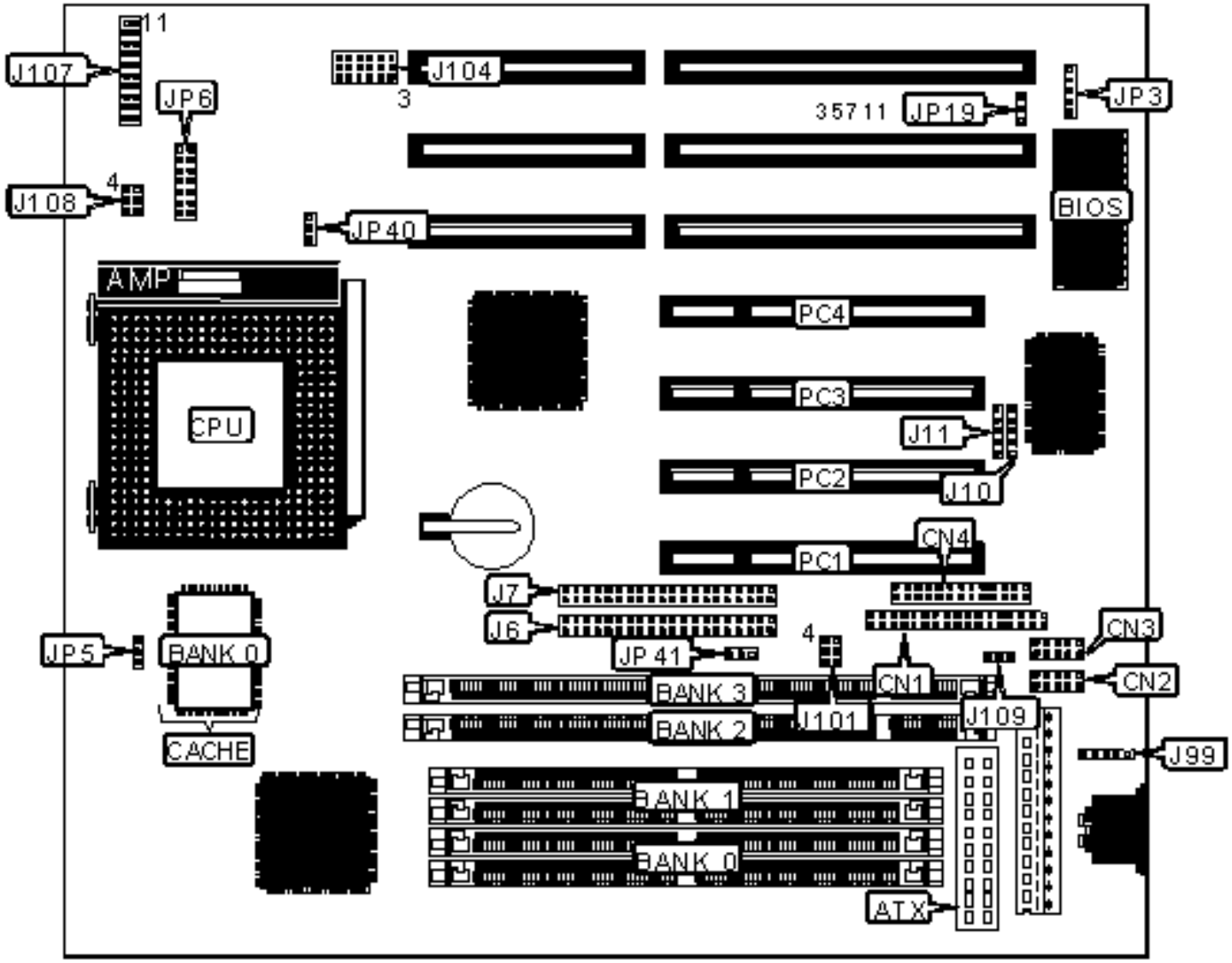
ANTEC, INC.

MB5689A

Configuration



CONNECTIONS

Purpose	Location	Purpose	Location
ATX power connector	ATX	IDE interface LED	J107/pins 3 & 4
Floppy drive interface	CN1	Green PC LED	J107/pins 5 & 6
Serial port 1	CN2	Green PC connector	J107/pins 7 & 8
Serial port 2	CN3	Soft off power supply	J107/pins 9 & 10
Parallel port	CN4	Power LED & keylock	J107/pins 11 – 15
IDE interface 1	J6	Speaker	J107/pins 17 - 20
IDE interface 2	J7	Wake on LAN connector	J109
USB connector 1	J10	IR connector	JP3
USB connector 2	J11	Chassis fan power	JP5
PS/2 mouse interface	J99	EISCA cooling connector	JP6
Reset switch	J107/pins 1 & 2	32-bit PCI slots	PC1 – PC4

USER CONFIGURABLE SETTINGS

	Function	Label	Position
	Flash BIOS voltage select 12v	JP19	Pins 1 & 2 closed
	Flash BIOS voltage select 5v	JP19	Pins 2 & 3 closed
»	CMOS memory normal operation	JP40	Pins 1 & 2 closed
	CMOS memory clear	JP40	Pins 2 & 3 closed
	Any hard drive installed	JP41	Pins 2 & 3 closed
	Seagate 5v hard drive installed	JP41	Pins 1 & 2 closed

SIMM CONFIGURATION

Size	Bank 0	Bank 1
8MB	(2) 1M x 36	None

16MB	(2) 2M x 36	None
16MB	(2) 1M x 36	(2) 1M x 36
24MB	(2) 2M x 36	(2) 1M x 36
32MB	(2) 4M x 36	None
32MB	(2) 2M x 36	(2) 2M x 36
40MB	(2) 4M x 36	(2) 1M x 36
48MB	(2) 4M x 36	(2) 2M x 36
64MB	(2) 8M x 36	None
64MB	(2) 4M x 36	(2) 4M x 36
72MB	(2) 8M x 36	(2) 1M x 36
80MB	(2) 8M x 36	(2) 2M x 36

SIMM CONFIGURATION (CON'T)

Size	Bank 0	Bank 1
96MB	(2) 8M x 36	(2) 4M x 36
128MB	(2) 8M x 36	(2) 8M x 36
128MB	(2) 16M x 36	None
136MB	(2) 16M x 36	(2) 1M x 36
144MB	(2) 16M x 36	(2) 2M x 36
160MB	(2) 16M x 36	(2) 4M x 36
192MB	(2) 16M x 36	(2) 8M x 36
256MB	(2) 16M x 36	(2) 16M x 36

Note: Board accepts EDO memory.

DIMM CONFIGURATION

Size	Bank 2	Bank 3

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 SDRAM memory.		

CACHE CONFIGURATION	
Size	Bank 0
512KB	(1) 64K x 64

CPU SPEED SELECTION (CX 6X86)				
CPU speed	Clock speed	Multiplier	J101	J108
120MHz	50MHz	2x	1 & 4, 2 & 5, 3 & 6	1 & 4
150MHz	60MHz	2x	1 & 4	1 & 4
166MHz	66MHz	2x	Open	1 & 4
Note: Pins designated should be in the closed position.				

CPU SPEED SELECTION (IBM 6X86)				
CPU speed	Clock speed	Multiplier	J101	J108
120MHz	50MHz	2x	1 & 4, 2 & 5, 3 & 6	1 & 4
150MHz	60MHz	2x	1 & 4	1 & 4
166MHz	66MHz	2x	Open	1 & 4
Note: Pins designated should be in the closed position.				

CPU SPEED SELECTION (CX 6X86L)				
CPU speed	Clock speed	Multiplier	J101	J108
166MHz	66MHz	2x	Open	1 & 4
Note: Pins designated should be in the closed position.				

CPU SPEED SELECTION (IBM 6X86L)				
CPU speed	Clock speed	Multiplier	J101	J108
166MHz	66MHz	2x	Open	1 & 4
Note: Pins designated should be in the closed position.				

CPU SPEED SELECTION (CX 6X86MX)				
CPU speed	Clock speed	Multiplier	J101	J108

166MHz	60MHz	2.5x	1 & 4	1 & 4, 2 & 5
200MHz	66MHz	2.5x	Open	1 & 4, 2 & 5
233MHz	66MHz	3x	Open	2 & 5
266MHz	66MHz	3.5x	Open	Open
Note: Pins designated should be in the closed position.				

CPU SPEED SELECTION (IBM 6X86MX)				
CPU speed	Clock speed	Multiplier	J101	J108
200MHz	66MHz	2.5x	Open	1 & 4, 2 & 5
233MHz	66MHz	3x	Open	2 & 5
266MHz	66MHz	3.5x	Open	Open
Note: Pins designated should be in the closed position.				

CPU SPEED SELECTION (IDT C6)				
CPU speed	Clock speed	Multiplier	J101	J108
150MHz	60MHz	2.5x	1 & 4	1 & 4, 2 & 5
180MHz	66MHz	3x	Open	2 & 5
200MHz	66MHz	3x	Open	2 & 5
Note: Pins designated should be in the closed position.				

CPU SPEED SELECTION (AM K5)				
CPU speed	Clock speed	Multiplier	J101	J108
75MHz	50MHz	1.5x	1 & 4, 2 & 5, 3 & 6	Open
90MHz	60MHz	1.5x	1 & 4	Open
100MHz	66MHz	1.5x	Open	Open
120MHz	60MHz	1.5x	1 & 4	Open

133MHz	66MHz	1.5x	Open	Open
166MHz	66MHz	2.5x	Open	1 & 4, 2 & 5
Note: Pins designated should be in the closed position.				

CPU SPEED SELECTION (AM K6)				
CPU speed	Clock speed	Multiplier	J101	J108
166MHz	66MHz	2.5x	Open	1 & 4, 2 & 5
200MHz	66MHz	3x	Open	2 & 5
233MHz	66MHz	3.5x	Open	Open
266MHz	66MHz	4x	Open	1 & 4, 3 & 6
Note: Pins designated should be in the closed position.				

CPU SPEED SELECTION (INTEL)				
CPU speed	Clock speed	Multiplier	J101	J108
75MHz	50MHz	1.5x	1 & 4, 2 & 5, 3 & 6	Open
90MHz	60MHz	1.5x	1 & 4	Open
100MHz	66MHz	1.5x	Open	Open
120MHz	60MHz	2x	1 & 4	1 & 4
133MHz	66MHz	2x	Open	1 & 4
150MHz	60MHz	2.5x	1 & 4	1 & 4, 2 & 5
166MHz	66MHz	2.5x	Open	1 & 4, 2 & 5
200MHz	66MHz	3x	Open	2 & 5
Note: Pins designated should be in the closed position.				

CPU SPEED SELECTION (INTEL MMX)				
CPU speed	Clock speed	Multiplier	J101	J108

166MHz	66MHz	2.5x	Open	1 & 4, 2 & 5
200MHz	66MHz	3x	Open	2 & 5
233MHz	66MHz	3.5x	Open	Open
Note: Pins designated should be in the closed position.				

CPU VOLTAGE SELECTION (SINGLE)	
Voltage	J104
Auto	Pins 2 & 3, 5 & 6, 8 & 9, 11 & 12, 14 & 15, 17 & 18 closed
3.1v	Pins 7 & 8, 13 & 14, 16 & 17 closed
3.33v	Pins 7 & 8, 10 & 11, 16 & 17 closed
3.4v	Pins 7 & 8, 10 & 11, 13 & 14 closed
3.52v	Pins 7 & 8, 10 & 11, 13 & 14, 16 & 17 closed

CPU VOLTAGE SELECTION (DUAL)		
Voltage	V core	J104
3.3v	2.0v	Open
3.3v	2.1v	Pins 16 & 17 closed
3.3v	2.2v	Pins 13 & 14 closed
3.3v	2.3v	Pins 13 & 14, 16 & 17 closed
3.3v	2.4v	Pins 10 & 11 closed
3.3v	2.5v	Pins 10 & 11, 16 & 17 closed
3.3v	2.6v	Pins 10 & 11, 13 & 14 closed
3.3v	2.7v	Pins 10 & 11, 13 & 14, 16 & 17 closed
3.3v	2.8v	Pins 7 & 8 closed
3.3v	2.9v	Pins 7 & 8, 16 & 17 closed
3.3v	3.0v	Pins 7 & 8, 13 & 14 closed

3.3v	3.2v	Pins 7 & 8, 10 & 11 closed