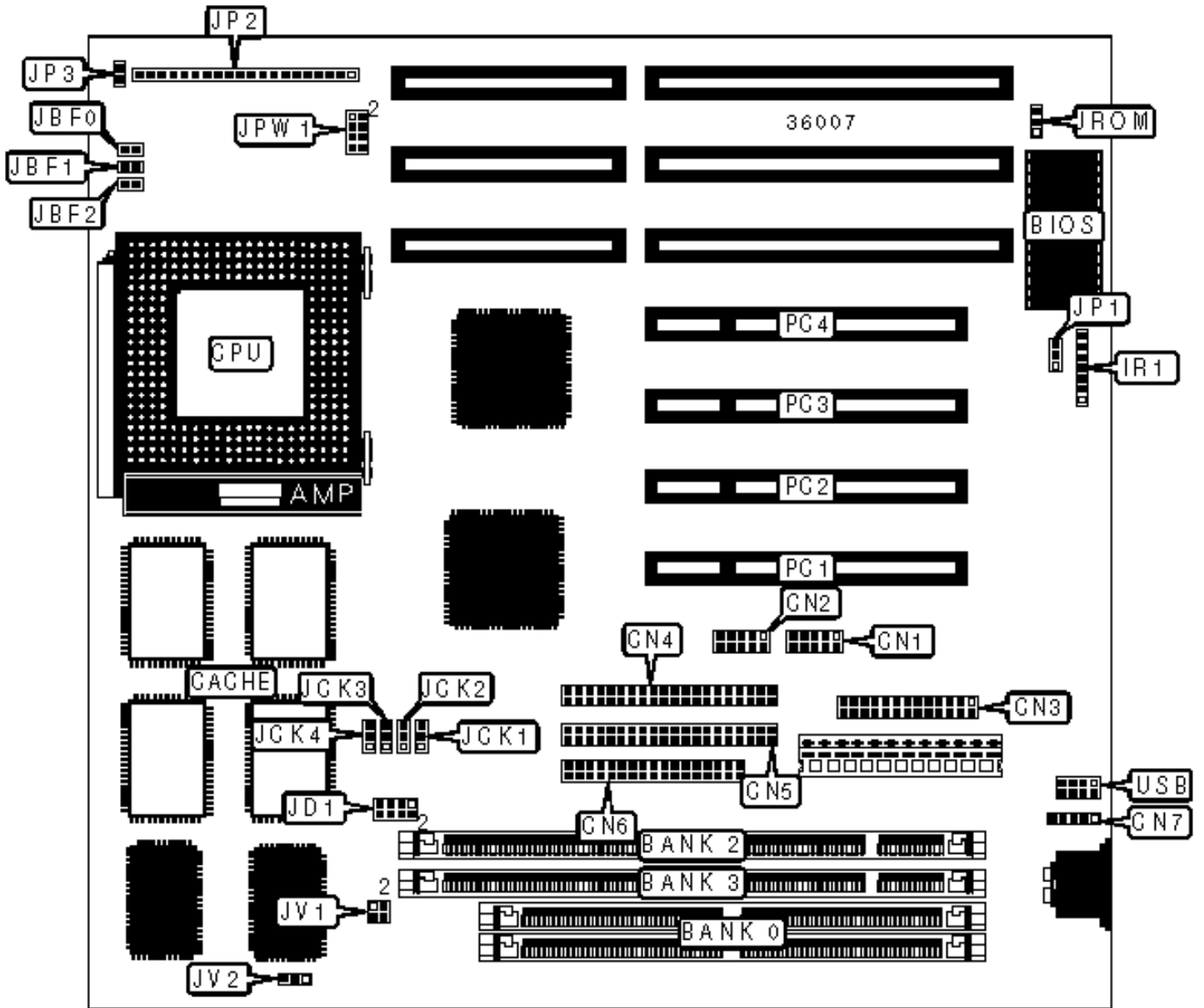


5V-IB

Configuration



CONNECTIONS

Purpose	Location	Purpose	Location
Serial port 1	CN1	Speaker	JP2/pins 7 – 10
Serial port 2	CN2	Reset switch	JP2/pins 12 & 13
Parallel port	CN3	Green PC LED	JP2/pins 15 & 16
IDE interface 2	CN4	Green PC connector	JP2/pins 18 & 19
IDE interface 1	CN5	IDE interface LED	JP2/pins 21 & 22
Floppy drive interface	CN6	Turbo LED	JP3
PS/2 mouse interface	CN7	32-bit PCI slots	PC1 – PC4
IR connector	IR1	USB connector	USB
Power LED & keylock	JP2/pins 1 – 5		

USER CONFIGURABLE SETTINGS

Function	Label	Position
» CMOS memory normal operation	JP1	Pins 1 & 2 closed
CMOS memory clear	JP1	Pins 2 & 3 closed
Flash BIOS type select Windbond, Atmel, SST	JROM	Pins 1 & 2 closed
Flash BIOS type select Intel MXIC	JROM	Pins 2 & 3 closed

SIMM CONFIGURATION

Size	Bank 0
8MB	(2) 1M x 36
16MB	(2) 2M x 36
32MB	(2) 4M x 36
64MB	(2) 8M x 36
128MB	(2) 16M x 36

256MB

(2) 32M 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

DIMM CONFIGURATION (CON'T)

Size	Bank 0	Bank 1
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.		

DIMM VOLTAGE CONFIGURATION

Voltage		JD1
»	3.3v	Pins 5 & 7, 6 & 8 closed
	5v	Pins 1 & 3, 2 & 4 closed

CACHE CONFIGURATION

Note: The chip sizes are unidentified.

CPU SPEED SELECTION (CX 6X86)

CPU speed	Clock speed	Multiplier	JBF0	JBF1	JBF2
120MHz	50MHz	2x	Closed	Open	Open
133MHz	55MHz	2x	Closed	Open	Open
150MHz	60MHz	2x	Closed	Open	Open
166MHz	66MHz	2x	Closed	Open	Open

CPU SPEED SELECTION (CX 6X86, CON'T)

CPU speed	Clock speed	Multiplier	JCK1	JCK2	JCK3	JCK4
120MHz	50MHz	2x	2 & 3	2 & 3	2 & 3	1 & 2
133MHz	55MHz	2x	2 & 3	2 & 3	1 & 2	2 & 3
150MHz	60MHz	2x	1 & 2	2 & 3	2 & 3	2 & 3
166MHz	66MHz	2x	2 & 3	1 & 2	2 & 3	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (CX 6X86L)

CPU speed	Clock speed	Multiplier	JBF0	JBF1	JBF2
133MHz	55MHz	2x	Closed	Open	Open
150MHz	60MHz	2x	Closed	Open	Open
166MHz	66MHz	2x	Closed	Open	Open
200MHz	75MHz	3x	Closed	Open	Open

CPU SPEED SELECTION (CX 6X86L, CON'T)

CPU speed	Clock speed	Multiplier	JCK1	JCK2	JCK3	JCK4
133MHz	55MHz	2x	2 & 3	2 & 3	1 & 2	2 & 3
150MHz	60MHz	2x	1 & 2	2 & 3	2 & 3	2 & 3
166MHz	66MHz	2x	2 & 3	1 & 2	2 & 3	2 & 3
200MHz	75MHz	3x	1 & 2	2 & 3	1 & 2	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (CX 6X86MX)

CPU speed	Clock speed	Multiplier	JBF0	JBF1	JBF2
166MHz	66MHz	2x	Closed	Open	Open
200MHz	75MHz	2x	Closed	Open	Open
233MHz	75MHz	2.5x	Closed	Closed	Open

CPU SPEED SELECTION (CX 6X86MX, CON'T)

CPU speed	Clock speed	Multiplier	JCK1	JCK2	JCK3	JCK4
166MHz	66MHz	2x	2 & 3	1 & 2	2 & 3	2 & 3
200MHz	75MHz	2x	1 & 2	2 & 3	1 & 2	2 & 3

233MHz	75MHz	2.5x	1 & 2	2 & 3	1 & 2	2 & 3
Note: Pins designated should be in the closed position.						

CPU SPEED SELECTION (CX MII)					
CPU speed	Clock speed	Multiplier	JBF0	JBF1	JBF2
300MHz	66MHz	3.5x	Open	Open	Open

CPU SPEED SELECTION (CX MII, CON'T)						
CPU speed	Clock speed	Multiplier	JCK1	JCK2	JCK3	JCK4
300MHz	66MHz	3.5x	2 & 3	1 & 2	2 & 3	2 & 3
Note: Pins designated should be in the closed position.						

CPU SPEED SELECTION (AM K5)					
CPU speed	Clock speed	Multiplier	JBF0	JBF1	JBF2
75MHz	50MHz	1.5x	Open	Open	Open
90MHz	60MHz	1.5x	Open	Open	Open
100MHz	66MHz	1.5x	Open	Open	Open
120MHz	60MHz	1.5x	Open	Open	Open
133MHz	66MHz	1.5x	Open	Open	Open
166MHz	66MHz	2.5x	Closed	Closed	Open

CPU SPEED SELECTION (AM K5, CON'T)						
CPU speed	Clock speed	Multiplier	JCK1	JCK2	JCK3	JCK4
75MHz	50MHz	1.5x	2 & 3	2 & 3	2 & 3	1 & 2
90MHz	60MHz	1.5x	1 & 2	2 & 3	2 & 3	2 & 3
100MHz	66MHz	1.5x	2 & 3	1 & 2	2 & 3	2 & 3

120MHz	60MHz	1.5x	1 & 2	2 & 3	2 & 3	2 & 3
133MHz	66MHz	1.5x	2 & 3	1 & 2	2 & 3	2 & 3
166MHz	66MHz	2.5x	2 & 3	1 & 2	2 & 3	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K6)

CPU speed	Clock speed	Multiplier	JBF0	JBF1	JBF2
166MHz	66MHz	2.5x	Closed	Closed	Open
200MHz	66MHz	3x	Open	Closed	Open
233MHz	66MHz	3.5x	Open	Open	Open
266MHz	66MHz	4x	Closed	Open	Closed
300MHz	66MHz	4.5x	Closed	Closed	Closed

CPU SPEED SELECTION (AM K6, CON'T)

CPU speed	Clock speed	Multiplier	JCK1	JCK2	JCK3	JCK4
166MHz	66MHz	2.5x	2 & 3	1 & 2	2 & 3	2 & 3
200MHz	66MHz	3x	2 & 3	1 & 2	2 & 3	2 & 3
233MHz	66MHz	3.5x	2 & 3	1 & 2	2 & 3	2 & 3
266MHz	66MHz	4x	2 & 3	1 & 2	2 & 3	2 & 3
300MHz	66MHz	4.5x	2 & 3	1 & 2	2 & 3	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K6-2)

CPU speed	Clock speed	Multiplier	JBF0	JBF1	JBF2
266MHz	66MHz	4x	Closed	Open	Closed
300MHz	66MHz	4.5x	Closed	Closed	Closed

CPU SPEED SELECTION (AM K6-2, CON'T)

CPU speed	Clock speed	Multiplier	JCK1	JCK2	JCK3	JCK4
266MHz	66MHz	4x	2 & 3	1 & 2	2 & 3	2 & 3
300MHz	66MHz	4.5x	2 & 3	1 & 2	2 & 3	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL)

CPU speed	Clock speed	Multiplier	JBF0	JBF1	JBF2
75MHz	50MHz	1.5x	Open	Open	Open
90MHz	60MHz	1.5x	Open	Open	Open
100MHz	66MHz	1.5x	Open	Open	Open
120MHz	60MHz	2x	Closed	Open	Open
133MHz	66MHz	2x	Closed	Open	Open
150MHz	60MHz	2.5x	Closed	Closed	Open
166MHz	66MHz	2.5x	Closed	Closed	Open
180MHz	60MHz	3x	Open	Closed	Open
200MHz	66MHz	3x	Open	Closed	Open

CPU SPEED SELECTION (INTEL, CON'T)

CPU speed	Clock speed	Multiplier	JCK1	JCK2	JCK3	JCK4
75MHz	50MHz	1.5x	2 & 3	2 & 3	2 & 3	1 & 2
90MHz	60MHz	1.5x	1 & 2	2 & 3	2 & 3	2 & 3
100MHz	66MHz	1.5x	2 & 3	1 & 2	2 & 3	2 & 3
120MHz	60MHz	2x	1 & 2	2 & 3	2 & 3	2 & 3
133MHz	66MHz	2x	2 & 3	1 & 2	2 & 3	2 & 3

150MHz	60MHz	2.5x	1 & 2	2 & 3	2 & 3	2 & 3
166MHz	66MHz	2.5x	2 & 3	1 & 2	2 & 3	2 & 3
180MHz	60MHz	3x	1 & 2	2 & 3	2 & 3	2 & 3
200MHz	66MHz	3x	2 & 3	1 & 2	2 & 3	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL MMX)

CPU speed	Clock speed	Multiplier	JBF0	JBF1	JBF2
166MHz	66MHz	2.5x	Closed	Closed	Open
200MHz	66MHz	3x	Open	Closed	Open
233MHz	66MHz	3.5x	Open	Open	Open

CPU SPEED SELECTION (INTEL MMX, CON'T)

CPU speed	Clock speed	Multiplier	JCK1	JCK2	JCK3	JCK4
166MHz	66MHz	2.5x	2 & 3	1 & 2	2 & 3	2 & 3
200MHz	66MHz	3x	2 & 3	1 & 2	2 & 3	2 & 3
233MHz	66MHz	3.5x	2 & 3	1 & 2	2 & 3	2 & 3

Note: Pins designated should be in the closed position.

CPU TYPE SELECTION

Type	JV2
AMD	Pins 1 & 2 closed
AM K6-2 300	Pins 2 & 3 closed
Cyrix	Pins 1 & 2 closed
Intel	Pins 1 & 2 closed

CPU VOLTAGE SELECTION

Voltage	JPW1
2.2v	Pins 3 & 4 closed
2.7v	Pins 1 & 2, 3 & 4, 5 & 6 closed
2.8v	Pins 7 & 8 closed
2.9v	Pins 1 & 2, 7 & 8 closed
3.2v	Pins 5 & 6, 7 & 8 closed
3.3v	Pins 1 & 2, 5 & 6, 7 & 8 closed
3.5v	Pins 1 & 2, 3 & 4, 5 & 6, 7 & 8 closed

CPU VOLTAGE SELECTION

Voltage	JV1
Single voltage	Open
Dual voltage	Pins 1 & 2, 3 & 4 closed