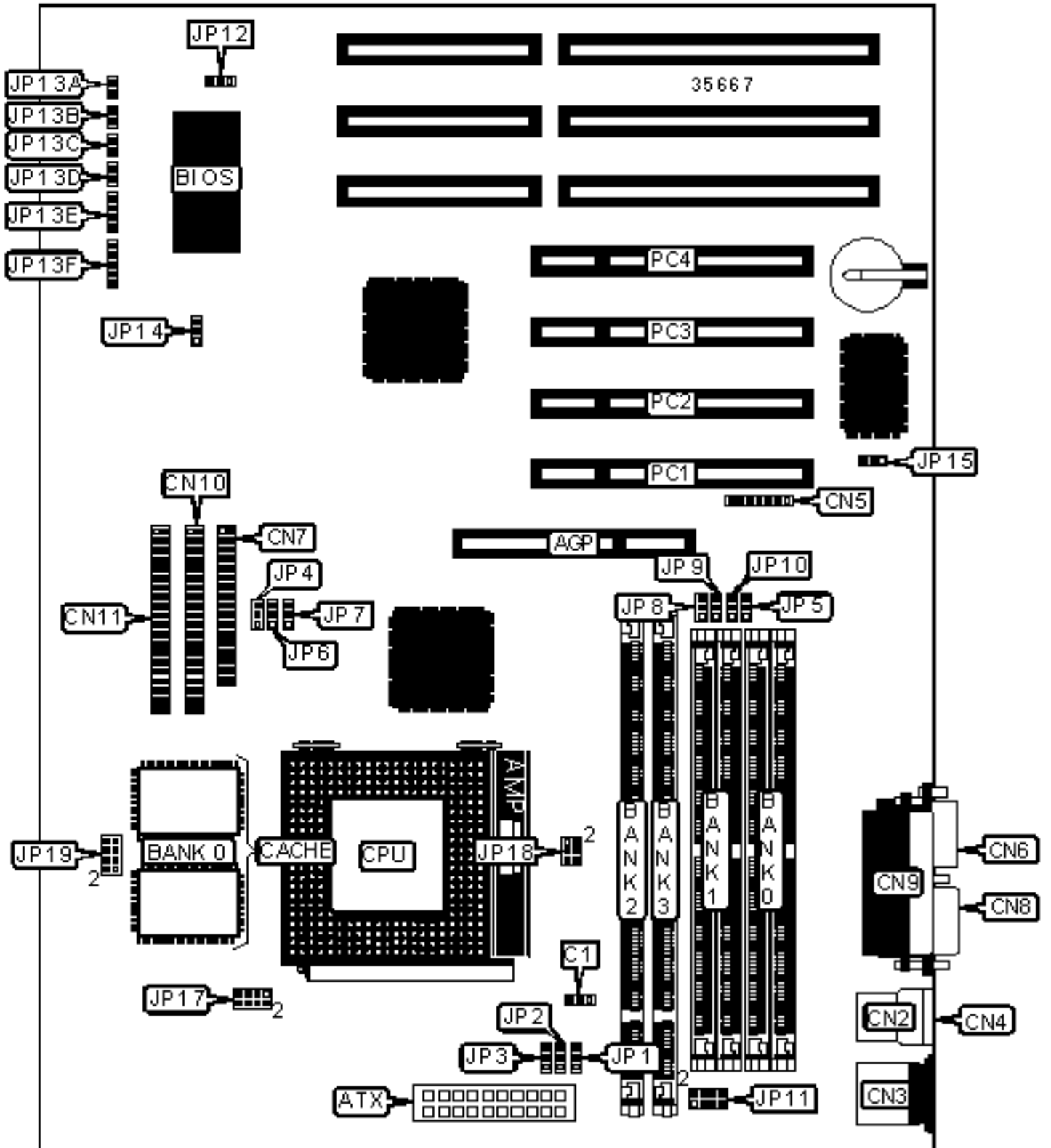


5AMVP3

Configuration



CONNECTIONS

Purpose	Location	Purpose	Location
AGP slot	AGP	IDE interface 1	CN10
ATX power connector	ATX	IDE interface 2	CN11
CPU fan power	C1	IDE interface LED	JP13A
USB connector 1	CN2	Soft off power supply	JP13B
PS/2 mouse port	CN3	Turbo LED	JP13C
USB connector 2	CN4	Reset switch	JP13D
IR connector	CN5	Speaker	JP13E
Serial port 2	CN6	Power LED & keylock	JP13F
Floppy drive interface	CN7	Wake on LAN connector	JP15
Serial port 1	CN8	32-bit PCI slots	PC1 – PC4
Parallel port	CN9		

USER CONFIGURABLE SETTINGS

Function	Label	Position
Flash BIOS voltage select 12v	JP12	Pins 2 & 3 closed
Flash BIOS voltage select 5v	JP12	Pins 1 & 2 closed
» CMOS memory normal operation	JP14	Pins 1 & 2 closed
CMOS memory clear	JP14	Pins 2 & 3 closed

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 2	Bank 3
128MB	(1) 16M x 64	None
128MB	(1) 8M x 64	(1) 8M 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) 32M x 64	None
256MB	(1) 16M x 64	(1) 16M x 64

Note: Board accepts SDRAM memory.

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
36MB	(2) 8M x 36	None
36MB	(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
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
256MB	(2) 32M x 36	None
236MB	(2) 32M x 36	(2) 1M x 36
272MB	(2) 32M x 36	(2) 2M x 36
288MB	(2) 32M x 36	(2) 4M x 36
320MB	(2) 32M x 36	(2) 8M x 36
384MB	(2) 32M x 36	(2) 16M x 36
512MB	(2) 32M x 36	(2) 32M x 36

Note: Board accepts EDO memory.

DIMM FREQUENCY CONFIGURATION		
Frequency	JP4	JP5
Same as CPU clock	Pins 2 & 3 closed	Pins 1 & 2 closed
66MHz	Pins 1 & 2 closed	Pins 2 & 3 closed

DIMM VOLTAGE CONFIGURATION	
Voltage	JP11
3.3v	Pins 1 & 2, 3 & 4 closed
5v	Pins 5 & 6, 7 & 8 closed

CACHE CONFIGURATION	
Size	Bank 0
512KB	(2) 36K x 32
1MB	(2) 128 x 32

CPU SPEED SELECTION (CX 6X86)								
CPU speed	Clock speed	Multiplier	JP1	JP2	JP3	JP6	JP7	JP8
150MHz	60MHz	2x	2 & 3	1 & 2	1 & 2	2 & 3	2 & 3	2 & 3
166MHz	66MHz	2x	2 & 3	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (CX 6X86, CON'T)					
CPU speed	Clock speed	Multiplier	JP9	JP10	JP18
150MHz	60MHz	2x	1 & 2	1 & 2	Open
166MHz	66MHz	2x	1 & 2	1 & 2	Open

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (CX 6X86L)

CPU speed	Clock speed	Multiplier	JP1	JP2	JP3	JP6	JP7	JP8
150MHz	60MHz	2x	2 & 3	1 & 2	1 & 2	2 & 3	2 & 3	2 & 3
166MHz	66MHz	2x	2 & 3	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2
200MHz	75MHz	2x	2 & 3	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2

Note: Pins designated should be in the closed position.

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

CPU speed	Clock speed	Multiplier	JP9	JP10	JP18
150MHz	60MHz	2x	1 & 2	1 & 2	1 & 2, 3 & 4, 5 & 6
166MHz	66MHz	2x	1 & 2	1 & 2	1 & 2, 3 & 4, 5 & 6
200MHz	75MHz	2x	2 & 3	1 & 2	1 & 2, 3 & 4, 5 & 6

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (CX 6X86MX)

CPU speed	Clock speed	Multiplier	JP1	JP2	JP3	JP6	JP7	JP8
166MHz	66MHz	2x	2 & 3	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2
166MHz	60MHz	2.5x	2 & 3	2 & 3	1 & 2	2 & 3	2 & 3	2 & 3
200MHz	75MHz	2x	2 & 3	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2
233MHz	75MHz	2.5x	2 & 3	2 & 3	1 & 2	2 & 3	2 & 3	1 & 2
266MHz	83MHz	2.5x	2 & 3	2 & 3	1 & 2	1 & 2	2 & 3	2 & 3

Note: Pins designated should be in the closed position.

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

CPU speed	Clock speed	Multiplier	JP9	JP10	JP18
166MHz	66MHz	2x	1 & 2	1 & 2	1 & 2, 3 & 4, 5 & 6
166MHz	60MHz	2.5x	1 & 2	1 & 2	1 & 2, 3 & 4, 5 & 6
200MHz	75MHz	2x	2 & 3	1 & 2	1 & 2, 3 & 4, 5 & 6
233MHz	75MHz	2.5x	2 & 3	1 & 2	1 & 2, 3 & 4, 5 & 6
266MHz	83MHz	2.5x	2 & 3	1 & 2	1 & 2, 3 & 4, 5 & 6

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (CX M II)								
CPU speed	Clock speed	Multiplier	JP1	JP2	JP3	JP6	JP7	JP8
300MHz	66MHz	3.5x	1 & 2	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (CX M II, CON'T)					
CPU speed	Clock speed	Multiplier	JP9	JP10	JP18
300MHz	66MHz	3.5x	1 & 2	1 & 2	1 & 2, 3 & 4, 5 & 6

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K5)								
CPU speed	Clock speed	Multiplier	JP1	JP2	JP3	JP6	JP7	JP8
90MHz	60MHz	1.5x	1 & 2	1 & 2	1 & 2	2 & 3	2 & 3	2 & 3
100MHz	66MHz	1.5x	1 & 2	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2
120MHz	60MHz	1.5x	1 & 2	1 & 2	1 & 2	2 & 3	2 & 3	2 & 3
133MHz	66MHz	1.5x	1 & 2	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2
166MHz	66MHz	2.5x	2 & 3	2 & 3	1 & 2	2 & 3	2 & 3	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K5, CON'T)

CPU speed	Clock speed	Multiplier	JP9	JP10	JP18
90MHz	60MHz	1.5x	1 & 2	1 & 2	Open
100MHz	66MHz	1.5x	1 & 2	1 & 2	Open
120MHz	60MHz	1.5x	1 & 2	1 & 2	Open
133MHz	66MHz	1.5x	1 & 2	1 & 2	Open
166MHz	66MHz	2.5x	1 & 2	1 & 2	Open

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K6)

CPU speed	Clock speed	Multiplier	JP1	JP2	JP3	JP6	JP7	JP8
166MHz	66MHz	2.5x	2 & 3	2 & 3	1 & 2	2 & 3	2 & 3	1 & 2
200MHz	66MHz	3x	1 & 2	2 & 3	1 & 2	2 & 3	2 & 3	1 & 2
233MHz	66MHz	3.5x	1 & 2	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2
266MHz	66MHz	4x	2 & 3	1 & 2	2 & 3	2 & 3	2 & 3	1 & 2
300MHz	66MHz	4.5x	2 & 3	2 & 3	2 & 3	2 & 3	2 & 3	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K6, CON'T)

CPU speed	Clock speed	Multiplier	JP9	JP10	JP18
166MHz	66MHz	2.5x	1 & 2	1 & 2	1 & 2, 3 & 4, 5 & 6
200MHz	66MHz	3x	1 & 2	1 & 2	1 & 2, 3 & 4, 5 & 6
233MHz	66MHz	3.5x	1 & 2	1 & 2	1 & 2, 3 & 4, 5 & 6
266MHz	66MHz	4x	1 & 2	1 & 2	1 & 2, 3 & 4, 5 & 6
300MHz	66MHz	4.5x	1 & 2	1 & 2	1 & 2, 3 & 4, 5 & 6

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K6-2)

CPU speed	Clock speed	Multiplier	JP1	JP2	JP3	JP6	JP7	JP8
250MHz	100MHz	2.5x	2 & 3	2 & 3	1 & 2	1 & 2	2 & 3	1 & 2
266MHz	66MHz	4x	2 & 3	1 & 2	2 & 3	2 & 3	2 & 3	1 & 2
300MHz	100MHz	3x	1 & 2	2 & 3	1 & 2	1 & 2	2 & 3	1 & 2

Note: Pins designated should be in the closed position.

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

CPU speed	Clock speed	Multiplier	JP9	JP10	JP18
250MHz	100MHz	2.5x	1 & 2	2 & 3	1 & 2, 3 & 4, 5 & 6
266MHz	66MHz	4x	1 & 2	1 & 2	1 & 2, 3 & 4, 5 & 6
300MHz	100MHz	3x	1 & 2	2 & 3	1 & 2, 3 & 4, 5 & 6

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL)

CPU speed	Clock speed	Multiplier	JP1	JP2	JP3	JP6	JP7	JP8
90MHz	60MHz	1.5x	1 & 2	1 & 2	1 & 2	2 & 3	2 & 3	2 & 3
100MHz	66MHz	1.5x	1 & 2	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2
120MHz	60MHz	2x	2 & 3	1 & 2	1 & 2	2 & 3	2 & 3	2 & 3
133MHz	66MHz	2x	2 & 3	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2
150MHz	60MHz	2.5x	2 & 3	2 & 3	1 & 2	2 & 3	2 & 3	2 & 3
166MHz	66MHz	2.5x	2 & 3	2 & 3	1 & 2	2 & 3	2 & 3	1 & 2
180MHz	60MHz	3x	1 & 2	2 & 3	1 & 2	2 & 3	2 & 3	2 & 3
200MHz	66MHz	3x	1 & 2	2 & 3	1 & 2	2 & 3	2 & 3	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL, CON'T)

CPU speed	Clock speed	Multiplier	JP9	JP10	JP18
90MHz	60MHz	1.5x	1 & 2	1 & 2	Open
100MHz	66MHz	1.5x	1 & 2	1 & 2	Open
120MHz	60MHz	2x	1 & 2	1 & 2	Open
133MHz	66MHz	2x	1 & 2	1 & 2	Open
150MHz	60MHz	2.5x	1 & 2	1 & 2	Open
166MHz	66MHz	2.5x	1 & 2	1 & 2	Open
180MHz	60MHz	3x	1 & 2	1 & 2	Open
200MHz	66MHz	3x	1 & 2	1 & 2	Open

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL MMX)

CPU speed	Clock speed	Multiplier	JP1	JP2	JP3	JP6	JP7	JP8
166MHz	66MHz	2.5x	2 & 3	2 & 3	1 & 2	2 & 3	2 & 3	1 & 2
200MHz	66MHz	3x	1 & 2	2 & 3	1 & 2	2 & 3	2 & 3	1 & 2
233MHz	66MHz	3.5x	1 & 2	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL MMX, CON'T)

CPU speed	Clock speed	Multiplier	JP9	JP10	JP18
166MHz	66MHz	2.5x	1 & 2	1 & 2	1 & 2, 3 & 4, 5 & 6
200MHz	66MHz	3x	1 & 2	1 & 2	1 & 2, 3 & 4, 5 & 6
233MHz	66MHz	3.5x	1 & 2	1 & 2	1 & 2, 3 & 4, 5 & 6

Note: Pins designated should be in the closed position.

CPU VOLTAGE SELECTION (SINGLE)

Voltage	JP19
3.3v	Pins 1 & 2, 5 & 6, 7 & 8 closed
3.45v	Pins 1 & 2, 3 & 4, 5 & 6, 7 & 8 closed

CPU VOLTAGE SELECTION (DUAL)

V core	JP17
2.1v	Pins 1 & 2 closed
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