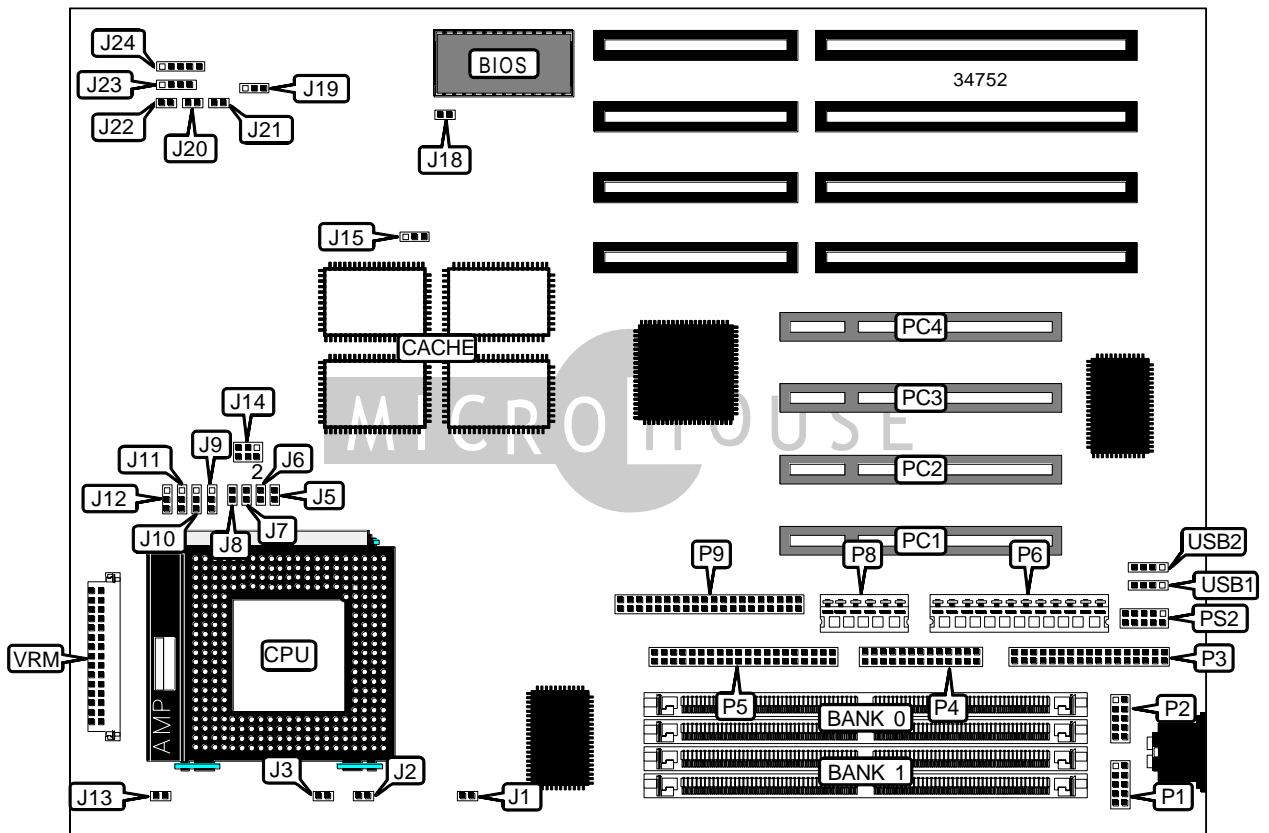


AMERICAN MEGATRENDS, INC.

ATLAS PCI-III

Device Type	Mainboard
Processor	AM K5/AM K6/Pentium
Processor Speed	75/90/100/120/133/150/166/180/200MHz
Chip Set	Intel
Video Chip Set	None
Maximum Onboard Memory	256MB (EDO supported)
Maximum Video Memory	None
Cache	256/512KB
BIOS	AMI
Dimensions	330mm x 218mm
I/O Options	32-bit PCI slots (4), floppy drive interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse interface, serial ports (2), VRM connector, USB connectors (2)
NPU Options	None



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ATLAS PCI-III

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CONNECTIONS			
Purpose	Location	Purpose	Location
CPU fan power	J13	IDE interface 1	P5
Reset switch	J20	Power connector	P6
IDE interface LED	J21	Auxiliary power connector	P8
Green PC connector	J22	IDE interface 2	P9
Speaker	J23	32-bit PCI slots	PC1 – PC4
Power LED & keylock	J24	PS/2 mouse interface	PS2
Serial port 1	P1	USB connector 1	USB1
Serial port 2	P2	USB connector 2	USB2
Floppy drive interface	P3	VRM connector	VRM
Parallel port	P4		

USER CONFIGURABLE SETTINGS		
Function	Label	Position
í Factory configured - do not alter	J2	Closed
í Factory configured - do not alter	J3	Open
PCI bus clock speed select 33MHz/66MHz	J15	Pins 1 & 2 closed
PCI bus clock speed select 25MHz/75MHz	J15	Pins 2 & 3 closed
í CMOS memory normal operation	J18	Open
CMOS memory clear	J18	Closed
PS/2 mouse IRQ12 enabled	J19	Pins 2 & 3 closed
PS/2 mouse IRQ12 disabled	J19	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
96MB	(2) 8M x 36	(2) 4M x 36
128MB	(2) 8M x 36	(2) 8M x 36
128MB	(2) 16M x 36	None

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SIMM CONFIGURATION (CON'T)		
Size	Bank 0	Bank 1
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.

CACHE CONFIGURATION			
Size	Bank 0	Bank 1	TAG
256KB	(2) 32K x 32	None	(1) 32K x 8
512KB	(2) 32K x 32	(2) 32K x 32	(1) 32K x 8

Note: The location of banks 0 & 1 and the TAG is unidentified.

CACHE JUMPER CONFIGURATION					
Size	J1	J9	J10	J11	J12
256KB	Open	1 & 2	1 & 2	1 & 2	1 & 2
512KB	Closed	2 & 3	2 & 3	2 & 3	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION						
CPU speed	Clock speed	Multiplier	J5	J6	J7	J8
75MHz	50MHz	1.5x	Closed	Closed	Open	Open
90MHz	60MHz	1.5x	Closed	Open	Open	Open
100MHz	50MHz	1.5x	Open	Closed	Open	Open
120MHz	60MHz	2x	Closed	Open	Open	Closed
133MHz	66MHz	2x	Open	Closed	Open	Closed
150MHz	60MHz	2.5x	Closed	Open	Closed	Closed
166MHz	66MHz	2.5x	Open	Closed	Closed	Closed
180MHz	60MHz	3x	Closed	Open	Closed	Open
200MHz	66MHz	3x	Open	Closed	Closed	Open

CPU VOLTAGE SELECTION	
Voltage	J14
NO VRM module installed	Pins 1 & 2, 3 & 4, 5 & 6 closed
2.8v VRM installed	Open
3.1v VRM installed	Open