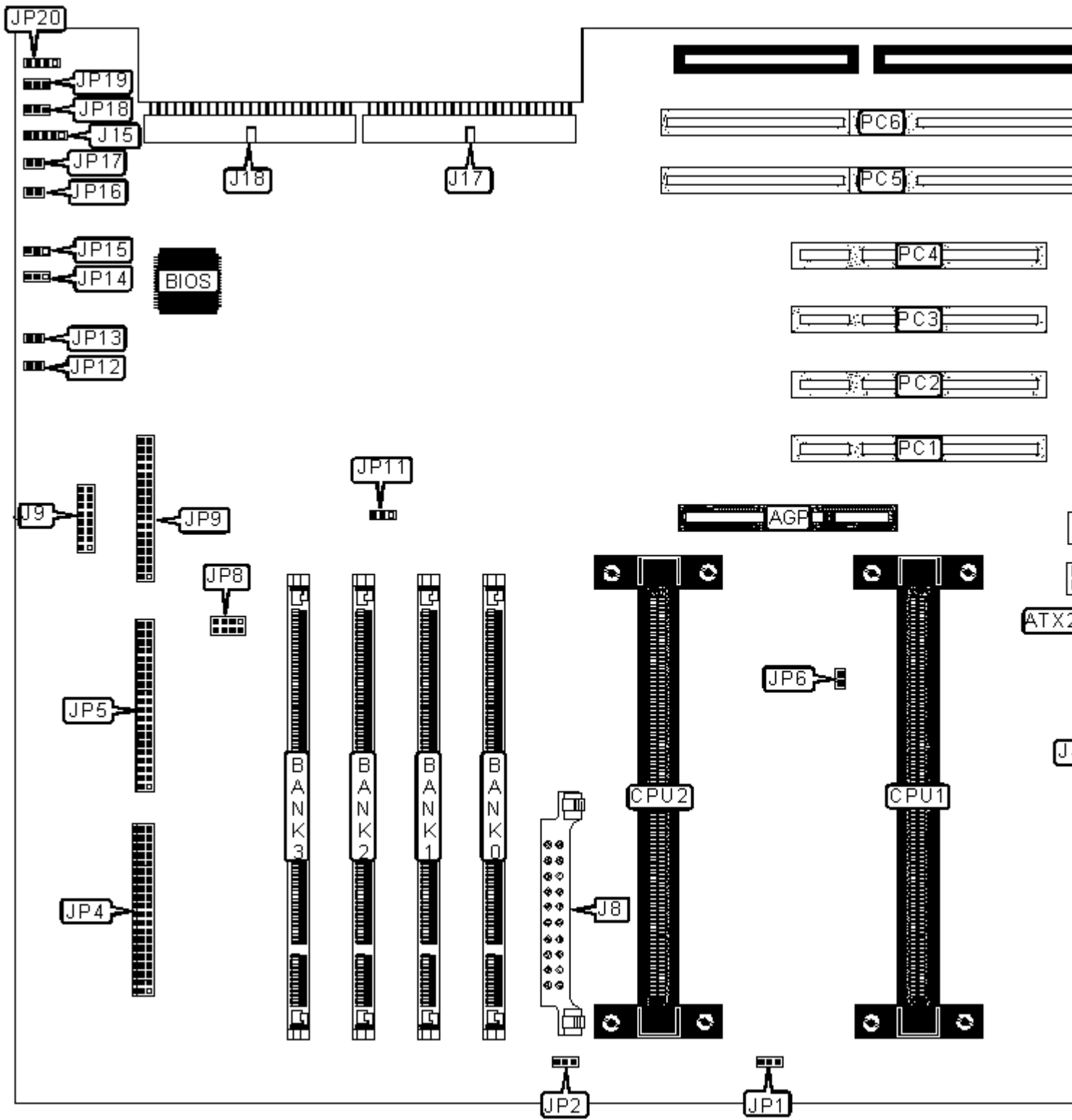


## AMERICAN MEGATRENDS, INC.

### MEGARUM II

<b>Device Type</b>	Mainboard
<b>Processor</b>	Pentium II (2)
<b>Processor Speed</b>	120/133/150/166/180/200/210/233/240/266/300/333/400MHz
<b>Chip Set</b>	Intel
<b>Maximum Onboard Memory</b>	2GB (EDO & SDRAM supported)
<b>Cache</b>	256/512KB (located on the Pentium II CPU)
<b>BIOS</b>	AMI
<b>Dimensions</b>	Unidentified
<b>I/O Options</b>	64-bit PCI slots (2), 32-bit PCI slots (4), floppy drive interface, IDE interfaces (2), Wide SCSI interfaces (2), parallel port, PS/2 mouse port, serial ports (2), IR connector, VRM connectors (2), USB ports (2), ATX power connectors (2), AGP slot, RAID slot, MegaRAC connector



### CONNECTIONS

Purpose	Location	Purpose	Location
AGP slot	AGP	CPU fan power 2	JP2
ATX power connector 1	ATX1	IR connector	JP3
ATX power connector 2	ATX2	IDE interface 2	JP4

USB connector 1	J1	IDE interface 1	JP5
PS/2 mouse port	J2	Floppy drive interface	JP9
USB connector 2	J3	IDE interface LED	JP12
VRM connector	J4	Chassis intrusion connector	JP13
Parallel port	J5	Power switch	JP16
Serial port 1	J6	Reset switch	JP17
Serial port 2	J7	Chassis fan power 1	JP18
VRM connector	J8	Chassis fan power 2	JP19
MegaRAC connector	J9	Speaker	JP20
Power LED & keylock	J15	32-bit PCI slots	PC1 - PC4
Wide SCSI interface 2	J17	64-bit PCI/RAID slot	PC5
Wide SCSI interface 1	J18	64-bit PCI slot	PC6
CPU fan power 1	JP1		

#### USER CONFIGURABLE SETTINGS

Function		Label	Position
	System bus frequency auto-detect	JP6	Open
	System bus frequency 66MHz	JP6	Closed
»	CMOS memory normal operation	JP11	Pins 1 & 2 closed
	CMOS memory clear	JP11	Pins 2 & 3 closed
»	Flash BIOS size select 256KB	JP14	Pins 1 & 2 closed
	Flash BIOS size select 128KB	JP14	Pins 2 & 3 closed
»	Flash BIOS voltage select 12V	JP15	Pins 1 & 2 closed
	Flash BIOS voltage select 5V	JP15	Pins 2 & 3 closed

#### DIMM CONFIGURATION

Size	Bank 0	Bank 1	Bank 2	Bank 3
8MB	(1) 1M x 64	None	None	None

16MB	(1) 1M x 64	(1) 1M x 64	None	None
16MB	(1) 2M x 64	None	None	None
24MB	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64	None
32MB	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64
32MB	(1) 2M x 64	(1) 2M x 64	None	None
32MB	(1) 4M x 64	None	None	None
48MB	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64	None
64MB	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64
64MB	(1) 4M x 64	(1) 4M x 64	None	None
64MB	(1) 8M x 64	None	None	None
80MB	(1) 4M x 64	(1) 4M x 64	(1) 1M x 64	(1) 1M x 64
96MB	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64	None
96MB	(1) 4M x 64	(1) 4M x 64	(1) 2M x 64	(1) 2M x 64
128MB	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64
128MB	(1) 8M x 64	(1) 8M x 64	None	None
128MB	(1) 16M x 64	None	None	None
144MB	(1) 8M x 64	(1) 8M x 64	(1) 1M x 64	(1) 1M x 64
160MB	(1) 8M x 64	(1) 8M x 64	(1) 2M x 64	(1) 2M x 64
192MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64	None
192MB	(1) 8M x 64	(1) 8M x 64	(1) 4M x 64	(1) 4M x 64
256MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64
256MB	(1) 16M x 64	(1) 16M x 64	None	None
256MB	(1) 32M x 64	None	None	None
272MB	(1) 16M x 64	(1) 16M x 64	(1) 1M x 64	(1) 1M x 64
288MB	(1) 16M x 64	(1) 16M x 64	(1) 2M x 64	(1) 2M x 64
320MB	(1) 16M x 64	(1) 16M x 64	(1) 4M x 64	(1) 4M x 64
384MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64	None
384MB	(1) 16M x 64	(1) 16M x 64	(1) 8M x 64	(1) 8M x 64
512MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64

512MB	(1) 32M x 64	(1) 32M x 64	None	None
512MB	(1) 64M x 64	None	None	None
528MB	(1) 32M x 64	(1) 32M x 64	(1) 1M x 64	(1) 1M x 64
544MB	(1) 32M x 64	(1) 32M x 64	(1) 2M x 64	(1) 2M x 64
576MB	(1) 32M x 64	(1) 32M x 64	(1) 4M x 64	(1) 4M x 64
640MB	(1) 32M x 64	(1) 32M x 64	(1) 8M x 64	(1) 8M x 64
768MB	(1) 32M x 64	(1) 32M x 64	(1) 32M x 64	None
768MB	(1) 32M x 64	(1) 32M x 64	(1) 16M x 64	(1) 16M x 64
1024MB	(1) 32M x 64	(1) 32M x 64	(1) 32M x 64	(1) 32M x 64
1024MB	(1) 64M x 64	(1) 64M x 64	None	None
1040MB	(1) 64M x 64	(1) 64M x 64	(1) 1M x 64	(1) 1M x 64
1056MB	(1) 64M x 64	(1) 64M x 64	(1) 2M x 64	(1) 2M x 64
1088MB	(1) 64M x 64	(1) 64M x 64	(1) 4M x 64	(1) 4M x 64
1152MB	(1) 64M x 64	(1) 64M x 64	(1) 8M x 64	(1) 8M x 64
1280MB	(1) 64M x 64	(1) 64M x 64	(1) 16M x 64	(1) 16M x 64
1536MB	(1) 64M x 64	(1) 64M x 64	(1) 64M x 64	None
1536MB	(1) 64M x 64	(1) 64M x 64	(1) 32M x 64	(1) 32M x 64
2048MB	(1) 64M x 64	(1) 64M x 64	(1) 64M x 64	(1) 64M x 64
Note: Board supports EDO & SDRAM memory.				

### CACHE CONFIGURATION

Note: 256KB/512KB cache is located on the Pentium II CPU.

### CPU SPEED SELECTION

CPU speed	Clock speed	Multiplier	JP8
233MHz	66MHz	3.5x	Pins 1 & 2, 7 & 8 closed
266MHz	66MHz	4x	Pins 3 & 4, 5 & 6 closed
300MHz	66MHz	4.5x	Pins 3 & 4, 7 & 8 closed
333MHz	66MHz	5x	Pins 5 & 6, 7 & 8 closed

350MHz	100MHz	3.5x	Pins 1 & 2, 7 & 8 closed
400MHz	100MHz	4x	Pins 3 & 4, 5 & 6 closed
450MHz	100MHz	4.5x	Pins 3 & 4, 7 & 8 closed
500MHz	100MHz	5x	Pins 5 & 6, 7 & 8 closed