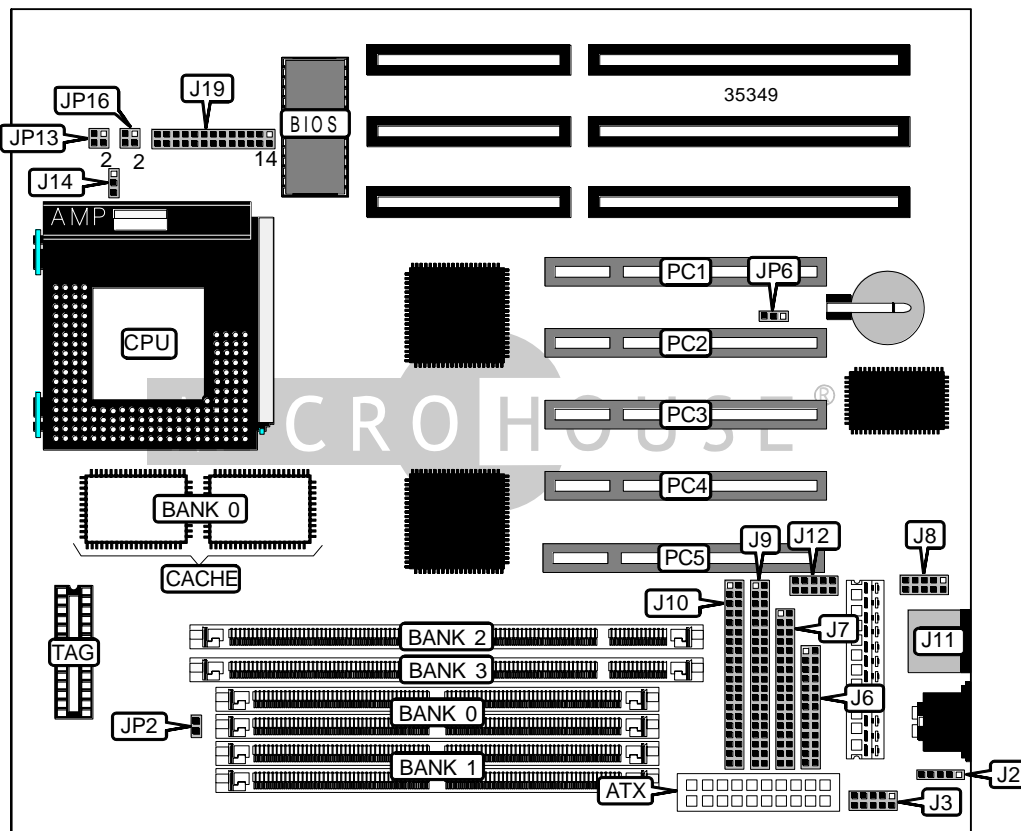


# BIOSTAR MICROTECH INTERNATIONAL CORPORATION

## MB-8500TUD-A (VER. 1.0)

<b>Device Type</b>	Mainboard
<b>Processor</b>	CX 6X86/CX 6X86L/CX 686MX/AM K5/AM K6/Pentium/Pentium MMX
<b>Processor Speed</b>	75/90/100/120/133/150/166/180/200/233/266MHz
<b>Chip Set</b>	Intel
<b>Video Chip Set</b>	None
<b>Maximum Onboard Memory</b>	256MB (EDO & SDRAM supported)
<b>Maximum Video Memory</b>	None
<b>Cache</b>	256/512KB
<b>BIOS</b>	Award
<b>Dimensions</b>	250mm x 220mm
<b>I/O Options</b>	32-bit PCI slots (5), floppy drive interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse port, PS/2 mouse interface, serial ports (2), IR connector, USB connector
<b>NPU Options</b>	None



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CONNECTIONS			
Purpose	Location	Purpose	Location
ATX power connector	ATX	CPU fan power	J14
PS/2 mouse interface	J2	Speaker	J19/pins 1 - 4
Serial port 2	J3	Power LED & keylock	J19/pins 5 - 9
Parallel port	J6	Soft off power supply	J19/pins 10 & 11
Floppy drive interface	J7	Reset switch	J19/pins 12 & 13
Serial port 1	J8	Green PC connector	J19/pins 17 & 18
IDE interface 1	J9	IDE interface LED	J19/pins 20 & 21
IDE interface 2	J10	IR connector	J19/pins 22 - 26
PS/2 mouse port	J11	32-bit PCI slots	PC1 – PC5
USB connector	J12		

USER CONFIGURABLE SETTINGS		
Function	Label	Position
í CMOS memory normal operation	JP6	Pins 1 & 2 closed
CMOS memory clear	JP6	Pins 2 & 3 closed
On board battery disabled	JP6	Open

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.		

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	TAG
256KB	(2) 32K x 32	Unidentified
512KB	(2) 64K x 32	Unidentified

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CPU SPEED SELECTION (CX 6X86)				
CPU speed	Clock speed	Multiplier	JP2	JP13
150MHz	60MHz	2x	Closed	1 & 2
166MHz	66MHz	2x	Open	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (CX 6X86L)				
CPU speed	Clock speed	Multiplier	JP2	JP13
150MHz	60MHz	2x	Closed	1 & 2
166MHz	66MHz	2x	Open	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (CX 6X86MX)				
CPU speed	Clock speed	Multiplier	JP2	JP13
150MHz	60MHz	2x	Closed	1 & 2
166MHz	66MHz	2x	Open	1 & 2
166MHz	60MHz	2.5x	Closed	1 & 2, 3 & 4
200MHz	66MHz	2.5x	Open	1 & 2, 3 & 4
200MHz	60MHz	3x	Closed	3 & 4
233MHz	66MHz	3x	Open	3 & 4
266MHz	66MHz	3.5x	Open	Open

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K5)				
CPU speed	Clock speed	Multiplier	JP2	JP13
90MHz	60MHz	1.5x	Closed	Open
100MHz	66MHz	1.5x	Open	Open
120MHz	60MHz	2x	Closed	1 & 2
133MHz	66MHz	2x	Open	1 & 2
166MHz	66MHz	2.5x	Open	1 & 2, 3 & 4
200MHz	66MHz	3x	Open	3 & 4

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K6)				
CPU speed	Clock speed	Multiplier	JP2	JP13
166MHz	66MHz	2.5x	Open	1 & 2, 3 & 4
200MHz	66MHz	3x	Open	3 & 4
233MHz	66MHz	3.5x	Open	Open

Note: Pins designated should be in the closed position.

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CPU SPEED SELECTION (INTEL)				
CPU speed	Clock speed	Multiplier	JP2	JP13
90MHz	60MHz	1.5x	Closed	Open
100MHz	66MHz	1.5x	Open	Open
120MHz	60MHz	2x	Closed	1 & 2
133MHz	66MHz	2x	Open	1 & 2
150MHz	60MHz	2.5x	Closed	1 & 2, 3 & 4
166MHz	66MHz	2.5x	Open	1 & 2, 3 & 4
200MHz	66MHz	3x	Open	3 & 4

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL MMX)				
CPU speed	Clock speed	Multiplier	JP2	JP13
166MHz	66MHz	2.5x	Open	1 & 2, 3 & 4
200MHz	66MHz	3x	Open	3 & 4
233MHz	66MHz	3.5x	Open	Open

Note: Pins designated should be in the closed position.

CPU VOLTAGE SELECTION (SINGLE)	
Voltage	JP16
3.5v	Open

CPU VOLTAGE SELECTION (DUAL)		
Voltage	V core	JP16
3.4v	2.8v	Open
3.4v	2.9v	Pins 1 & 2 closed
3.4v	3.2v	Pins 3 & 4 closed