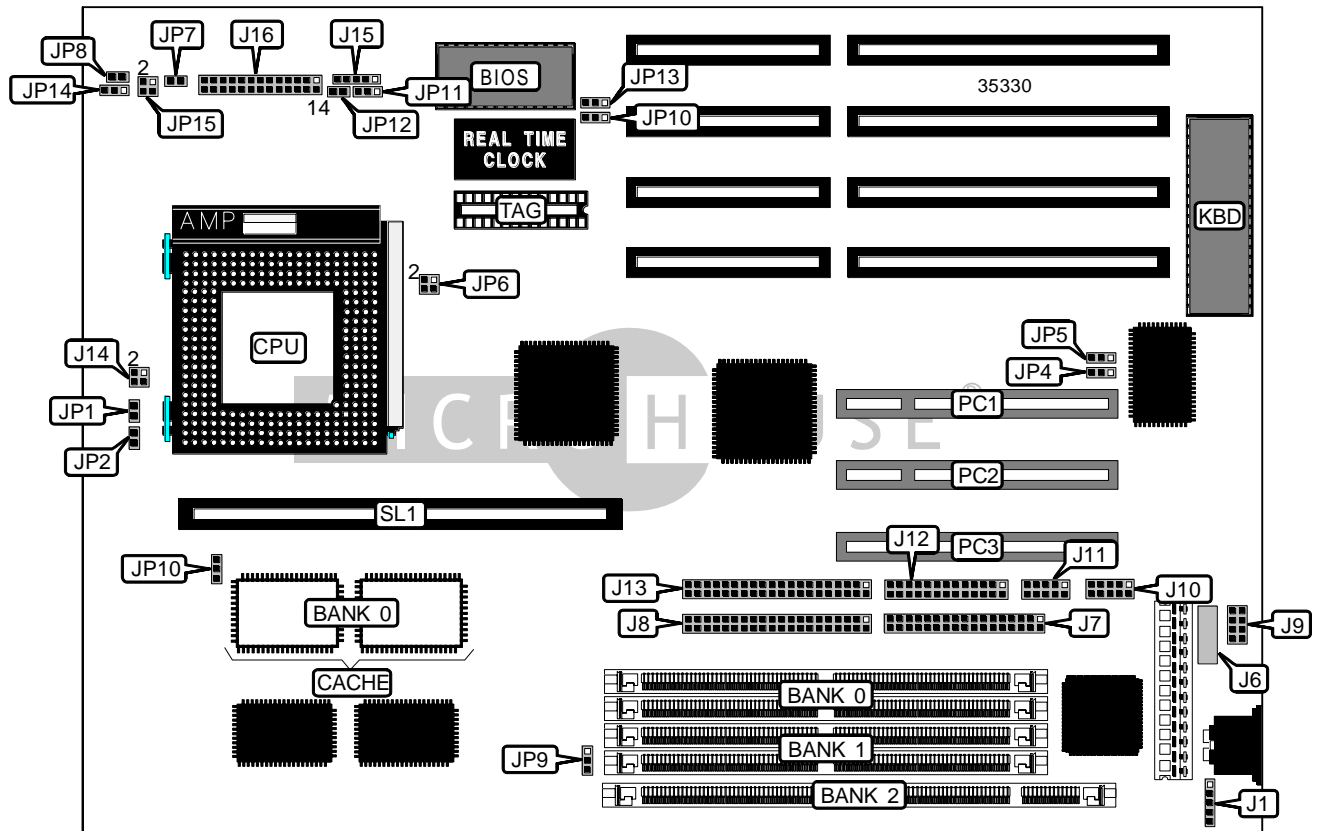


# BIOSTAR MICROTECH INTERNATIONAL CORPORATION

## MB-8500 TUR (VER. 1)

<b>Device Type</b>	Mainboard
<b>Processor</b>	CX 6X86/AM K5/Pentium/Pentium MMX
<b>Processor Speed</b>	75/90/100/120/133/150/166/180/200MHz
<b>Chip Set</b>	Unidentified
<b>Video Chip Set</b>	None
<b>Maximum Onboard Memory</b>	128MB (EDO & SDRAM supported)
<b>Maximum Video Memory</b>	None
<b>Cache</b>	256/512KB
<b>BIOS</b>	AMI
<b>Dimensions</b>	285mm x 220mm
<b>I/O Options</b>	32-bit PCI slots (3), floppy drive interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse interface, serial ports (2), cache slot, IR connector, USB connector
<b>NPU Options</b>	None



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CONNECTIONS			
Purpose	Location	Purpose	Location
PS/2 mouse interface	J1	Speaker	J16/pins 1 - 4
Floppy drive interface	J7	Power LED & keylock	J16/pins 5 - 9
IDE interface 1	J8	Turbo LED	J16/pins 10 & 11
USB connector	J9	Reset switch	J16/pins 12 & 13
Serial port 1	J10	Green PC LED	J16/pins 14 & 15
Serial port 2	J11	Green PC connector	J16/pins 17 & 18
Parallel port	J12	IDE interface LED	J16/pins 20 & 21
IDE interface 2	J13	Turbo switch	J16/pins 23 & 24
Chassis fan power	J14	32-bit PCI slots	PC1 – PC3
IR connector	J15	Cache slot	SL1

USER CONFIGURABLE SETTINGS		
Function	Label	Position
í Factory configured - do not alter	J6	Unidentified
í Factory configured - do not alter	JP4	Unidentified
í Factory configured - do not alter	JP5	Unidentified
í Factory configured - do not alter	JP9	Unidentified
í Factory configured - do not alter	JP10	Unidentified
í CMOS memory normal operation	JP12	Open
CMOS memory clear	JP12	Closed
Flash BIOS select 5v	JP13	Pins 1 & 2 closed
Flash BIOS select 12v	JP13	Pins 2 & 3 closed
Flash BIOS select 0v or EPROM	JP13	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

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

Note: Board accepts EDO memory.

DIMM CONFIGURATION	
Size	Bank 2
8MB	(1) 1M x 64
16MB	(1) 2M x 64
32MB	(1) 4M x 64

CACHE CONFIGURATION			
Size	Bank 0	SL1	TAG
256KB	(2) 32K x 32	Not installed	Unidentified
512KB	(2) 32K x 32	256KB module installed	Unidentified

CACHE JUMPER CONFIGURATION	
Size	JP11
256KB	Pins 1 & 2 closed
512KB	Pins 2 & 3 closed

CPU SPEED SELECTION (CX 6X86)						
CPU speed	Clock speed	Multiplier	JP1	JP2	JP6/ pins 1 & 2	JP6/ pins 3 & 4
120MHz	50MHz	2x	Open	Open	Closed	Closed
133MHz	55MHz	2x	Open	Open	Open	Open
150MHz	60MHz	2x	Open	Open	Closed	Open
166MHz	66MHz	2x	Open	Open	Open	Closed

CPU SPEED SELECTION (AM K5)						
CPU speed	Clock speed	Multiplier	JP1	JP2	JP6/ pins 1 & 2	JP6/ pins 3 & 4
75MHz	66MHz	1x	Closed	Open	Open	Closed
75MHz	50MHz	1.5x	Open	Open	Closed	Closed
90MHz	55MHz	1.5x	Open	Open	Open	Open
90MHz	60MHz	1.5x	Open	Open	Closed	Open
100MHz	66MHz	1.5x	Open	Open	Open	Closed

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CPU SPEED SELECTION (INTEL)						
CPU speed	Clock speed	Multiplier	JP1	JP2	JP6/ pins 1 & 2	JP6/ pins 3 & 4
75MHz	50MHz	1.5x	Open	Open	Closed	Closed
90MHz	60MHz	1.5x	Open	Open	Closed	Open
100MHz	66MHz	1.5x	Open	Open	Open	Closed
120MHz	60MHz	2x	Closed	Open	Closed	Open
133MHz	66MHz	2x	Closed	Open	Open	Closed
150MHz	60MHz	2.5x	Closed	Closed	Closed	Open
166MHz	66MHz	2.5x	Closed	Closed	Open	Closed
180MHz	60MHz	3x	Open	Closed	Closed	Open
200MHz	66MHz	3x	Open	Closed	Open	Closed

CPU SPEED SELECTION (INTEL MMX)						
CPU speed	Clock speed	Multiplier	JP1	JP2	JP6/ pins 1 & 2	JP6/ pins 3 & 4
166MHz	66MHz	2.5x	Closed	Closed	Open	Closed
180MHz	60MHz	3x	Open	Closed	Closed	Open
200MHz	66MHz	3x	Open	Closed	Open	Closed

CPU TYPE SELECTION			
Type	JP7	JP14	JP15
AMD	Open	Pins 1 & 2 closed	Pins 1 & 2, 3 & 4 closed
Cyrix	Open	Pins 1 & 2 closed	Pins 1 & 2, 3 & 4 closed
P54C/CQS/CT	Open	Pins 1 & 2 closed	Pins 1 & 2, 3 & 4 closed
P55C/CT	Closed	Pins 2 & 3 closed	Open

CPU VOLTAGE SELECTION	
Voltage	JP8
3.4v	Closed
3.5v	Open