BIOSTAR MICROTECH INTERNATIONAL CORPORATION
MB-8500TVX

Processor	CX M1/AM K5/Pentium
Processor Speed	75/90/100/120/133/150/166/180/200MHz
Chip Set	Intel
Video Chip Set	None
Maximum Onboard Memory	128MB (EDO supported)
Maximum Video Memory	None
Cache	256/512KB
BIOS	AMI
Dimensions	220mm x 220mm
I/O Options	32-bit PCI slots (3), floppy drive interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse interface, serial ports (2), IR connector, USB connector
NPU Options	None
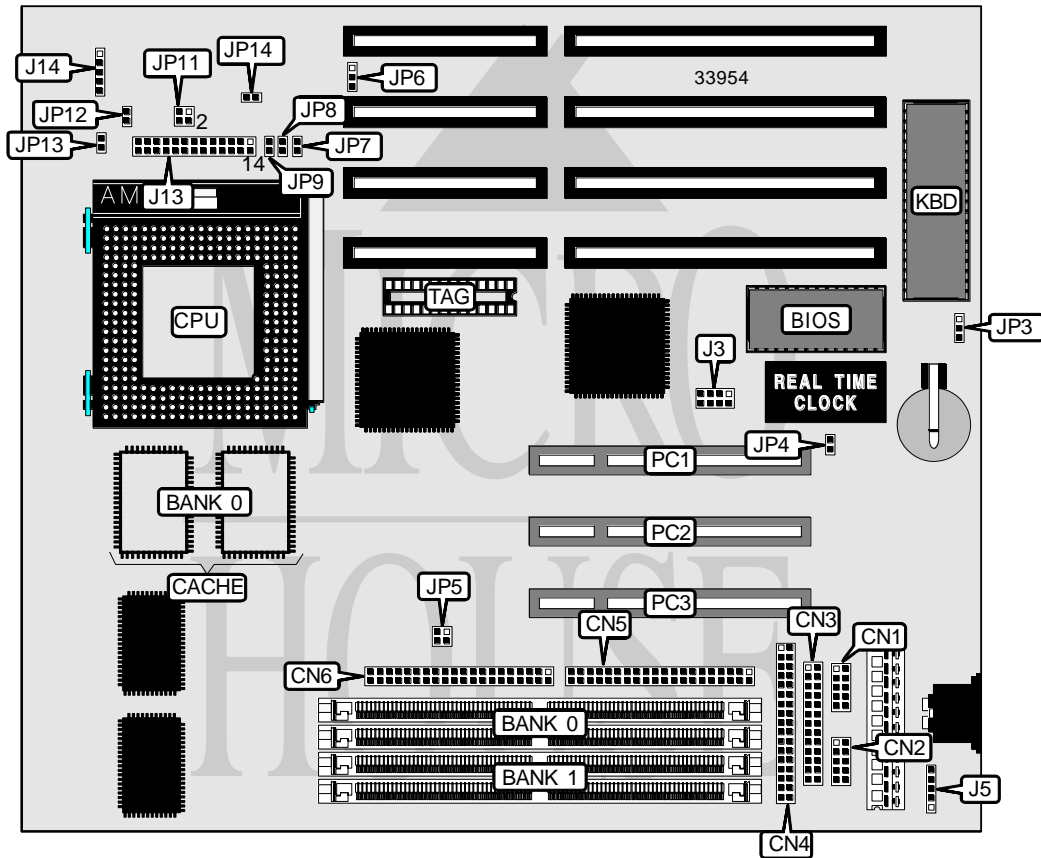
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BIOSTAR MICROTECH INTERNATIONAL CORPORATION
MB-8500TVX

CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
Serial port 1	CN1	Power LED & keylock	J13 pins 5 - 9
Serial port 2	CN2	Turbo LED	J13 pins 10 & 11
Parallel port	CN3	Reset switch	J13 pins 12 & 13
Floppy drive interface	CN4	Green PC connector	J13 pins 17 & 18
IDE interface 2	CN5	IDE interface LED	J13 pins 20 & 21
IDE interface 1	CN6	+5v ground	J13 pins 25 & 26
USB connector	J3	IR connector	J14
PS/2 mouse interface	J5	Chassis fan power	JP13
Speaker	J13 pins 1 - 4	32-bit PCI slots	PC1 – PC3

USER CONFIGURABLE SETTINGS		
Function	**Label**	**Position**
Flash BIOS voltage select 12v	JP3	Pins 2 & 3 closed
Flash BIOS voltage select 5v	JP3	Pins 1 & 2 closed
? CMOS memory normal operation	JP4	Open
CMOS memory clear	JP4	Closed

DRAM 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
Note: Board accepts EDO memory.		

CACHE CONFIGURATION		
Size	**Bank 0**	**TAG**
256KB	(2) 32K x 32	(1) 8K/32K x 8
512KB	(2) 64K x 32	(1) 32K x 8

BIOSTAR MICROTECH INTERNATIONAL CORPORATION
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CACHE JUMPER CONFIGURATION	
Size	**JP7**
256KB	Open
512KB	Closed

CPU SPEED SELECTION (CYRIX)					
CPU speed	**Clock speed**	**Multiplier**	**JP5**	**JP8**	**JP9**
120MHz	50MHz	2x	1 & 2, 3 & 4	Open	See note
133MHz	55MHz	2x	Open	Open	See note
150MHz	60MHz	2x	1 & 2	Open	See note
166MHz	66MHz	2x	3 & 4	Open	See note
Note: Pins designated should be in the closed position. If Rev. 2.2 is used, set JP9 to open. If Rev. 2.3 is used, set JP9 to closed.					

CPU SPEED SELECTION (AMD)					
CPU speed	**Clock speed**	**Multiplier**	**JP5**	**JP8**	**JP9**
75MHz	50MHz	1.5x	1 & 2, 3 & 4	Open	Open
90MHz	60MHz	1.5x	1 & 2	Open	Open
100MHz	66MHz	1.5x	3 & 4	Open	Open
120MHz	60MHz	1.5x	1 & 2	Open	Open
133MHz	66MHz	1.5x	3 & 4	Open	Open
150MHz	60MHz	2x	1 & 2	Open	Closed
166MHz	66MHz	2x	3 & 4	Open	Closed
Note: Pins designated should be in the closed position.					

CPU SPEED SELECTION (INTEL)					
CPU speed	**Clock speed**	**Multiplier**	**JP5**	**JP8**	**JP9**
75MHz	50MHz	1.5x	1 & 2, 3 & 4	Open	Open
90MHz	60MHz	1.5x	1 & 2	Open	Open
100MHz	66MHz	1.5x	3 & 4	Open	Open
120MHz	60MHz	2x	1 & 2	Open	Closed
133MHz	66MHz	2x	3 & 4	Open	Closed
150MHz	60MHz	2.5x	1 & 2	Closed	Closed
166MHz	66MHz	2.5x	3 & 4	Closed	Closed
180MHz	60MHz	3x	1 & 2	Closed	Open
200MHz	66MHz	3x	3 & 4	Closed	Open
Note: Pins designated should be in the closed position.					

CPU TYPE SELECTION		
Type	**JP6**	**JP11**
CX M1	Pins 1 & 2 closed	Pins 1 & 2, 3 & 4 closed
AM K5 (PrxxxAB/AC/AF)	Pins 1 & 2 closed	Pins 1 & 2, 3 & 4 closed
P54C/CQS/CT	Pins 1 & 2 closed	Pins 1 & 2, 3 & 4 closed
AM K5 (PrxxxAH/AJ/AK)	Pins 2 & 3 closed	Open
P55C/CT	Pins 2 & 3 closed	Open

BIOSTAR MICROTECH INTERNATIONAL CORPORATION
MB-8500TVX

CPU VOLTAGE SELECTION (SINGLE)	
Voltage	**JP12**
3.4v	Closed
3.5v	Open

CPU VOLTAGE SELECTION (DUAL)			
Voltage	**V core**	**JP12**	**JP14**
3.4v	2.6v	Closed	Closed
3.4v	2.9v	Open	Closed
3.5v	2.6v	Closed	Open
3.5v	2.9v	Open	Open