TMC RESEARCH CORPORATION
AI5TT (VER. 1.0)

Processor	CX 6X86/AM K5/AM K6/Pentium
Processor Speed	90/100/120/133/150/166/200/233MHz
Chip Set	Intel
Video Chip Set	None
Maximum Onboard Memory	256MB (EDO supported)
Maximum Video Memory	None
Cache	256/512KB
BIOS	Award
Dimensions	254mm 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), IR connector, USB connectors (2), ATX power connector
NPU Options	None
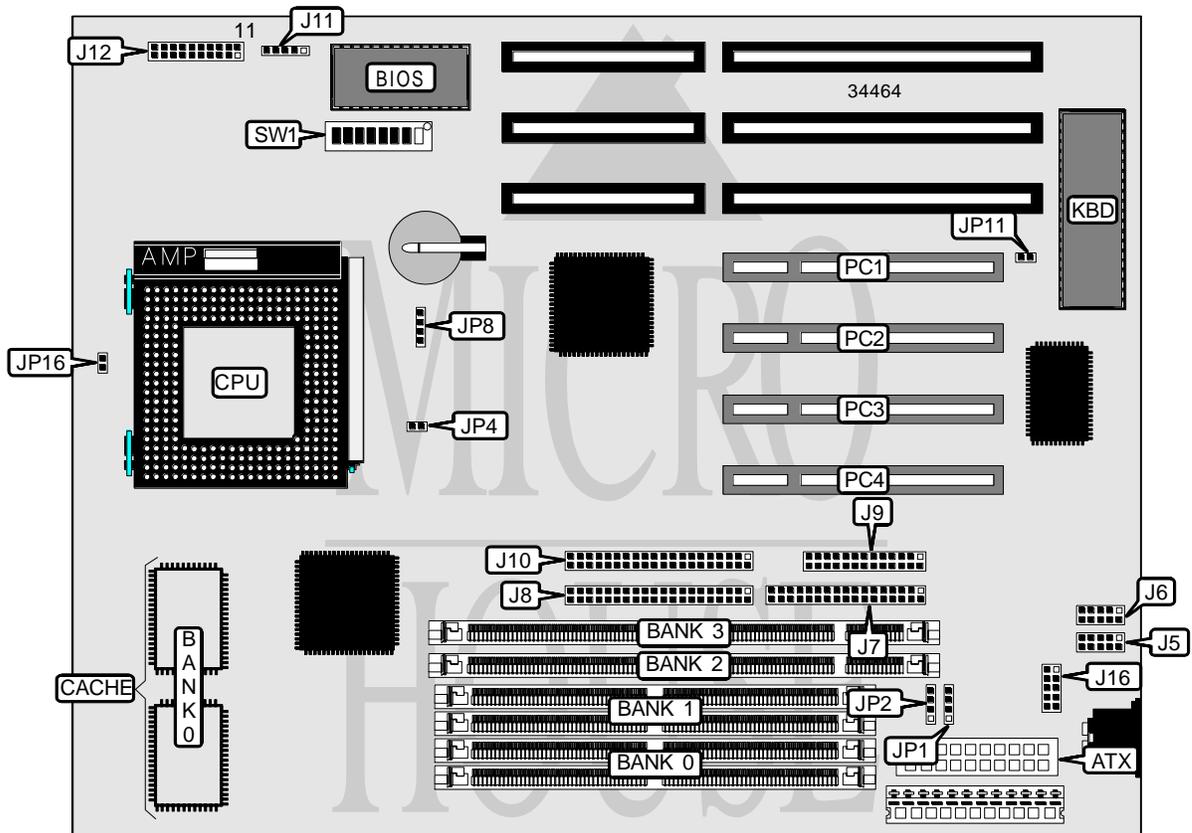
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CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
ATX power connector	ATX	Turbo LED	J12/pins 8 & 18
Serial port 1	J5	Reset switch	J12/pins 9 & 19
Serial port 2	J6	IDE interface LED	J12/pins 10 & 20
Floppy drive interface	J7	Power LED & keylock	J12/pins 11 & 15
IDE interface 1	J8	PS/2 mouse interface	J16
Parallel port	J9	USB connector	JP1
IDE interface 2	J10	USB connector	JP2
IR connector	J11	External battery	JP8
Speaker	J12/pins 1 & 4	32-bit PCI slots	PC1 – PC4
Green PC connector	J12/pins 6 & 16		

USER CONFIGURABLE SETTINGS		
Function	**Label**	**Position**
í Factory configured - do not alter	JP4	Unidentified
í Battery type select internal	JP8	Pins 1 & 2 closed
Battery type select external	JP8	Closed
í CMOS memory normal operation	JP11	Open
CMOS memory clear	JP11	Closed
í Factory configured - do not alter	JP16	Open

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
256MB	(2) 16M x 36	(2) 16M x 36
Note: Board accepts EDO memory.		

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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) 8M x 64	(1) 8M x 64

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

CPU SPEED SELECTION (CYRIX 6X86)						
CPU speed	**Clock speed**	**Multiplier**	**SW1/1**	**SW1/2**	**SW1/3**	**SW1/4**
150MHz	60MHz	2x	On	On	On	Off
166MHz	66MHz	2x	Off	Off	On	Off

CPU SPEED SELECTION (AM K5)						
CPU speed	**Clock speed**	**Multiplier**	**SW1/1**	**SW1/2**	**SW1/3**	**SW1/4**
100MHz	66MHz	1.5x	Off	Off	Off	Off
133MHz	66MHz	1.5x	Off	Off	On	Off
166MHz	66MHz	1.75x	Off	Off	On	On

CPU SPEED SELECTION (AM K6)						
CPU speed	**Clock speed**	**Multiplier**	**SW1/1**	**SW1/2**	**SW1/3**	**SW1/4**
166MHz	66MHz	1.75x	Off	Off	On	On
200MHz	66MHz	3x	Off	Off	Off	On
233MHz	66MHz	3.5x	Off	Off	Off	Off

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CPU SPEED SELECTION (INTEL)						
CPU speed	**Clock speed**	**Multiplier**	**SW1/1**	**SW1/2**	**SW1/3**	**SW1/4**
90MHz	60MHz	1.5x	On	On	Off	Off
100MHz	66MHz	1.5x	Off	Off	Off	Off
120MHz	60MHz	2x	On	On	On	Off
133MHz	66MHz	2x	Off	Off	On	Off
150MHz	60MHz	2.5x	On	On	On	On
166MHz	66MHz	2.5x	Off	Off	On	On
200MHz	66MHz	3x	Off	Off	Off	On
233MHz	66MHz	3.5x	Off	Off	Off	Off

CPU VOLTAGE SELECTION (SINGLE)				
Voltage	**SW1/5**	**SW1/6**	**SW1/7**	**SW1/8**
3.5v	On	On	On	On

CPU VOLTAGE SELECTION (DUAL)					
Voltage	**V core**	**SW1/5**	**SW1/6**	**SW1/7**	**SW1/8**
3.3v	2.5v	On	Off	On	Off
3.3v	2.6v	Off	On	On	Off
3.3v	2.7v	On	On	On	Off
3.3v	2.8v	Off	Off	Off	On
3.3v	2.9v	On	Off	Off	On
3.3v	3.0v	Off	On	Off	On
3.3v	3.2v	Off	Off	On	On
3.3v	3.5v	On	On	On	On