TMC RESEARCH CORPORATION
TI6NLM (VER. 1.0A)

Processor	Pentium II
Processor Speed	200/233/266/300MHz
Chip Set	Intel
Video Chip Set	S3
Maximum Onboard Memory	384MB (EDO supported)
Maximum Video Memory	4MB
Cache	256/512KB (located on Pentium II CPU)
BIOS	AMI
Dimensions	307mm x 241mm
I/O Options	32-bit PCI slots (4), floppy drive interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse port, serial ports (2), VGA feature connector, VGA port, IR connector, USB connectors (2), ATX power connector, line in, line out, microphone in, wavetable connector, audio in – CD-ROMs (2), game port
NPU Options	None
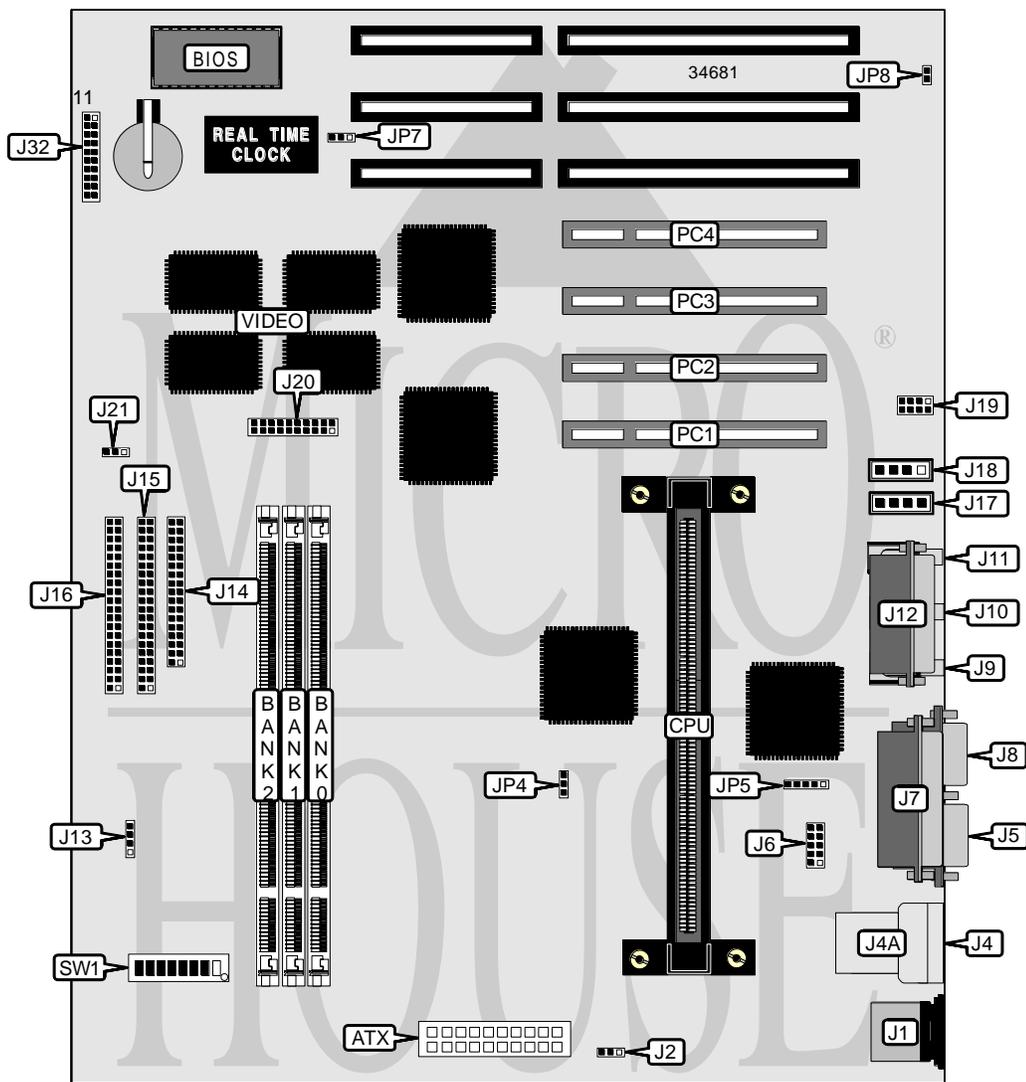
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CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
ATX power connector	ATX	IDE interface 2	J16
PS/2 mouse port	J1	Audio in – CD-ROM	J17
CPU fan power	J2	Audio in – CD-ROM	J18
USB connector	J4	Wavetable connector	J19
USB connector	J4A	VGA feature connector	J20
Serial port 1	J5	Chassis fan power	J21
Serial port 2	J6	Speaker	J32/pins 1 - 4
Parallel port	J7	Green PC connector	J32/pins 6 & 16
VGA port	J8	Soft off power supply	J32/pins 7 & 17
Line out	J9	Turbo LED	J32/pins 8 & 18
Line in	J10	Reset switch	J32/pins 9 & 19
Microphone in	J11	IDE interface LED	J32/pins 10 & 20
Game port	J12	Power LED & keylock	J32/pins 11 - 15
TV out connector	J13	Chassis intrusion connector	JP4
Floppy drive interface	J14	IR connector	JP5
IDE interface 1	J15	32-bit PCI slots	PC1 - PC4

USER CONFIGURABLE SETTINGS		
Function	**Label**	**Position**
í CMOS memory normal operation	JP7	Pins 1 & 2 closed
CMOS memory clear	JP7	Pins 2 & 3 closed
On board audio disabled	JP8	Open
On board audio enabled	JP8	Closed

DIMM CONFIGURATION			
Size	**Bank 0**	**Bank 1**	**Bank 2**
8MB	(1) 1M x 64	None	None
16MB	(1) 2M x 64	None	None
16MB	(1) 1M x 64	(1) 1M x 64	None
24MB	(1) 2M x 64	(1) 1M x 64	None
24MB	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64
32MB	(1) 4M x 64	None	None
32MB	(1) 2M x 64	(1) 1M x 64	(1) 1M x 64
32MB	(1) 2M x 64	(1) 2M x 64	None
40MB	(1) 4M x 64	(1) 1M x 64	None
40MB	(1) 2M x 64	(1) 2M x 64	(1) 1M x 64
48MB	(1) 4M x 64	(1) 1M x 64	(1) 1M x 64
48MB	(1) 4M x 64	(1) 2M x 64	None
48MB	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64
56MB	(1) 4M x 64	(1) 2M x 64	(1) 1M x 64
64MB	(1) 8M x 64	None	None

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Size	Bank 0	Bank 1	Bank 2
DIMM CONFIGURATION (CON'T)			
64MB	(1) 4M x 64	(1) 2M x 64	(1) 2M x 64
64MB	(1) 4M x 64	(1) 4M x 64	None
72MB	(1) 8M x 64	(1) 1M x 64	None
72MB	(1) 4M x 64	(1) 4M x 64	(1) 1M x 64
80MB	(1) 8M x 64	(1) 1M x 64	(1) 1M x 64
80MB	(1) 8M x 64	(1) 2M x 64	None
80MB	(1) 4M x 64	(1) 4M x 64	(1) 2M x 64
88MB	(1) 8M x 64	(1) 2M x 64	(1) 1M x 64
96MB	(1) 8M x 64	(1) 2M x 64	(1) 2M x 64
96MB	(1) 8M x 64	(1) 4M x 64	None
96MB	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64
104MB	(1) 8M x 64	(1) 4M x 64	(1) 1M x 64
112MB	(1) 8M x 64	(1) 4M x 64	(1) 2M x 64
128MB	(1) 16M x 64	None	None
128MB	(1) 8M x 64	(1) 4M x 64	(1) 4M x 64
128MB	(1) 8M x 64	(1) 8M x 64	None
136MB	(1) 16M x 64	(1) 1M x 64	None
136MB	(1) 8M x 64	(1) 8M x 64	(1) 1M x 64
144MB	(1) 16M x 64	(1) 1M x 64	(1) 1M x 64
144MB	(1) 16M x 64	(1) 2M x 64	None
144MB	(1) 8M x 64	(1) 8M x 64	(1) 2M x 64
152MB	(1) 16M x 64	(1) 2M x 64	(1) 1M x 64
160MB	(1) 16M x 64	(1) 2M x 64	(1) 2M x 64
160MB	(1) 16M x 64	(1) 4M x 64	None
160MB	(1) 8M x 64	(1) 8M x 64	(1) 4M x 64
168MB	(1) 16M x 64	(1) 4M x 64	(1) 1M x 64
176MB	(1) 16M x 64	(1) 4M x 64	(1) 2M x 64
192MB	(1) 16M x 64	(1) 4M x 64	(1) 4M x 64
192MB	(1) 16M x 64	(1) 8M x 64	None
192MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64
200MB	(1) 16M x 64	(1) 8M x 64	(1) 1M x 64
208MB	(1) 16M x 64	(1) 8M x 64	(1) 2M x 64
224MB	(1) 16M x 64	(1) 8M x 64	(1) 4M x 64
256MB	(1) 16M x 64	(1) 8M x 64	(1) 8M x 64
384MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64
Note: Board accepts EDO memory.			

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

VIDEO MEMORY CONFIGURATION
Note: 4MB video memory is factory installed and is not configurable.

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CPU SPEED SELECTION						
CPU speed	**Clock speed**	**Multiplier**	**SW1/1**	**SW1/2**	**SW1/3**	**SW1/4**
233MHz	66MHz	3.5	Off	Off	On	Off
266MHz	66MHz	4x	Off	Off	Off	On
300MHz	66MHz	4.5x	Off	Off	Off	On

CPU SPEED SELECTION (CON'T)						
CPU speed	**Clock speed**	**Multiplier**	**SW1/5**	**SW1/6**	**SW1/7**	**SW1/8**
233MHz	66MHz	3.5	Off	On	Off	Off
266MHz	66MHz	4x	On	On	Off	Off
300MHz	66MHz	4.5x	Off	On	Off	Off