TMC RESEARCH CORPORATION

TI6NBA (VER. 1.0)

Device Type	Mainboard
Processor	Celeron/Pentium II
Processor Speed	233/266/300/333/350/366/400/450MHz
Chip Set	Intel 440BX
Audio Chip Set	Creative Labs, Inc.
Maximum Onboard Memory	512MB (SDRAM supported)
Maximum Audio Memory	Unidentified
Cache	0/128/256/512KB
BIOS	Award
Dimensions	306mm x 189mm
I/O Options (backplane)	32-bit PCI slots (4), floppy drive interface, game port, IDE interfaces (2), parallel port, PS/2 mouse port, serial ports (2), USB connector, ATX power connector, AGP slot, line in, line out, microphone in, Audio in - CD-ROMs (2), Wake-on-LAN connector, Aux connector
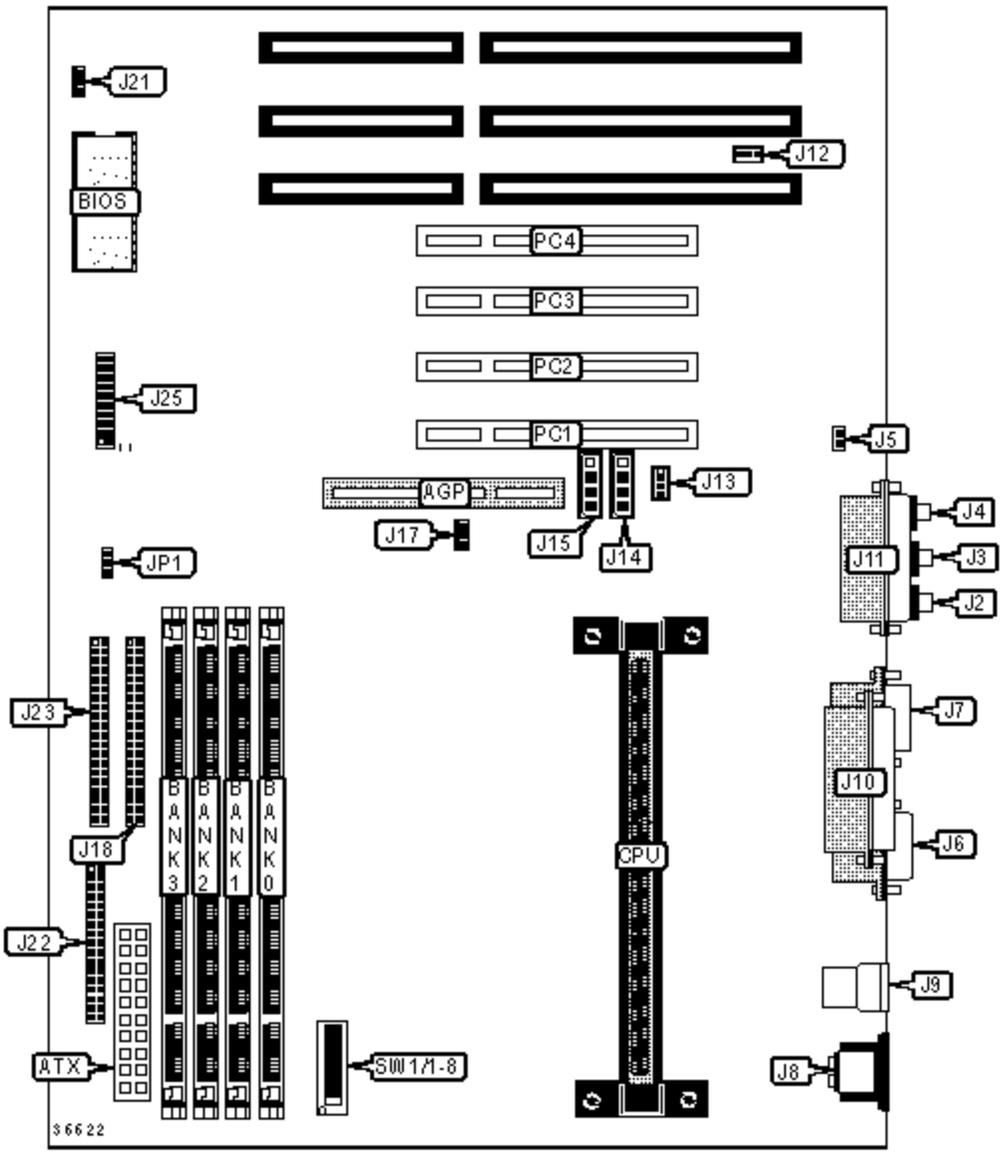
CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
Line out	J2	ATX power connector	J19

Line in	J3	Chassis Fan	J21
Microphone in	J4	Floppy drive interface	J22
Serial port 1	J6	IDE interface 1	J23
Serial port 2	J7	Chassis fan power	J24
PS/2 mouse port	J8	Speaker	J25Pins 1 - 4
USB port	J9	Power LED & keylock	J25/Pins 11 - 15
Parallel port	J10	Green PC connector	J25/Pins 6 & 16
Game port	J11	ATX power on	J25/Pins 7 & 17
Wake-on-LAN connector	J12	Turbo LED	J25/Pins 8 & 18
Audio in - CD-ROM	J13	Reset switch	J25/Pins 9 & 19
Audio in - CD-ROM	J14	IDE interface LED	J25/Pins 10 & 20
Auxilliary in	J15	AGP slot	AGP
CPU fan power	J17	32-bit PCI slots	PC1 - PC4
IDE interface 2	J18		
Note: Location of J24 unidentified.			

USER CONFIGURABLE SETTINGS			
	Function	Label	Position
»	Factory configured - do not alter	J5	Unidentified
»	CMOS memory normal operation	JP1	Pins 1 & 2 closed
	CMOS memory clear	JP1	Pins 2 & 3 closed

DIMM CONFIGURATION				
Size	Bank 0	Bank 1	Bank 2	Bank 3
8MB	(1) 1M x 64	None	None	None
16MB	(1) 1M x 64	(1) 1M x 64	None	None
16MB	(1) 2M x 64	None	None	None

24MB	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64	None
32MB	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64
32MB	(1) 2M x 64	(1) 2M x 64	None	None
32MB	(1) 4M x 64	None	None	None
48MB	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64	None
64MB	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64
64MB	(1) 4M x 64	(1) 4M x 64	None	None
64MB	(1) 8M x 64	None	None	None
80MB	(1) 4M x 64	(1) 4M x 64	(1) 1M x 64	(1) 1M x 64
96MB	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64	None
96MB	(1) 4M x 64	(1) 4M x 64	(1) 2M x 64	(1) 2M x 64
128MB	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64
128MB	(1) 8M x 64	(1) 8M x 64	None	None
128MB	(1) 16M x 64	None	None	None
144MB	(1) 8M x 64	(1) 8M x 64	(1) 1M x 64	(1) 1M x 64
160MB	(1) 8M x 64	(1) 8M x 64	(1) 2M x 64	(1) 2M x 64
192MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64	None
192MB	(1) 8M x 64	(1) 8M x 64	(1) 4M x 64	(1) 4M x 64
256MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64
256MB	(1) 16M x 64	(1) 16M x 64	None	None
272MB	(1) 16M x 64	(1) 16M x 64	(1) 1M x 64	(1) 1M x 64
288MB	(1) 16M x 64	(1) 16M x 64	(1) 2M x 64	(1) 2M x 64
320MB	(1) 16M x 64	(1) 16M x 64	(1) 4M x 64	(1) 4M x 64
384MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64	None
384MB	(1) 16M x 64	(1) 16M x 64	(1) 8M x 64	(1) 8M x 64
512MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64
Note: Board supports SDRAM memory.				

CACHE CONFIGURATION

Note: 256KB/512KB cache is located on the Pentium II CPU. 128KB cache is located on the Celeron 300A and greater CPUs.

CPU SPEED SELECTION (PENTIUM)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
233MHz	66MHz	3.5x	Off	Off	Off	Off
266MHz	66MHz	4x	Off	Off	Off	Off
300MHz	66MHz	4.5x	Off	Off	Off	Off
300MHz	100MHz	3x	Off	Off	Off	Off
333MHz	66MHz	5x	Off	Off	Off	Off
350MHz	100MHz	3.5x	Off	Off	Off	Off
400MHz	100MHz	4x	Off	Off	Off	Off
450MHz	100MHz	4.5x	Off	Off	Off	Off

CPU SPEED SELECTION (PENTIUM CONT.)

CPU speed	Clock speed	Multiplier	SW1/5	SW1/6	SW1/7	SW1/8
233MHz	66MHz	3.5x	On	Off	Off	On
266MHz	66MHz	4x	Off	On	On	On
300MHz	66MHz	4.5x	Off	On	Off	On
300MHz	100MHz	3x	On	Off	On	On
333MHz	66MHz	5x	Off	Off	On	On
350MHz	100MHz	3.5x	On	Off	Off	On
400MHz	100MHz	4x	Off	On	On	On
450MHz	100MHz	4.5x	Off	On	Off	On