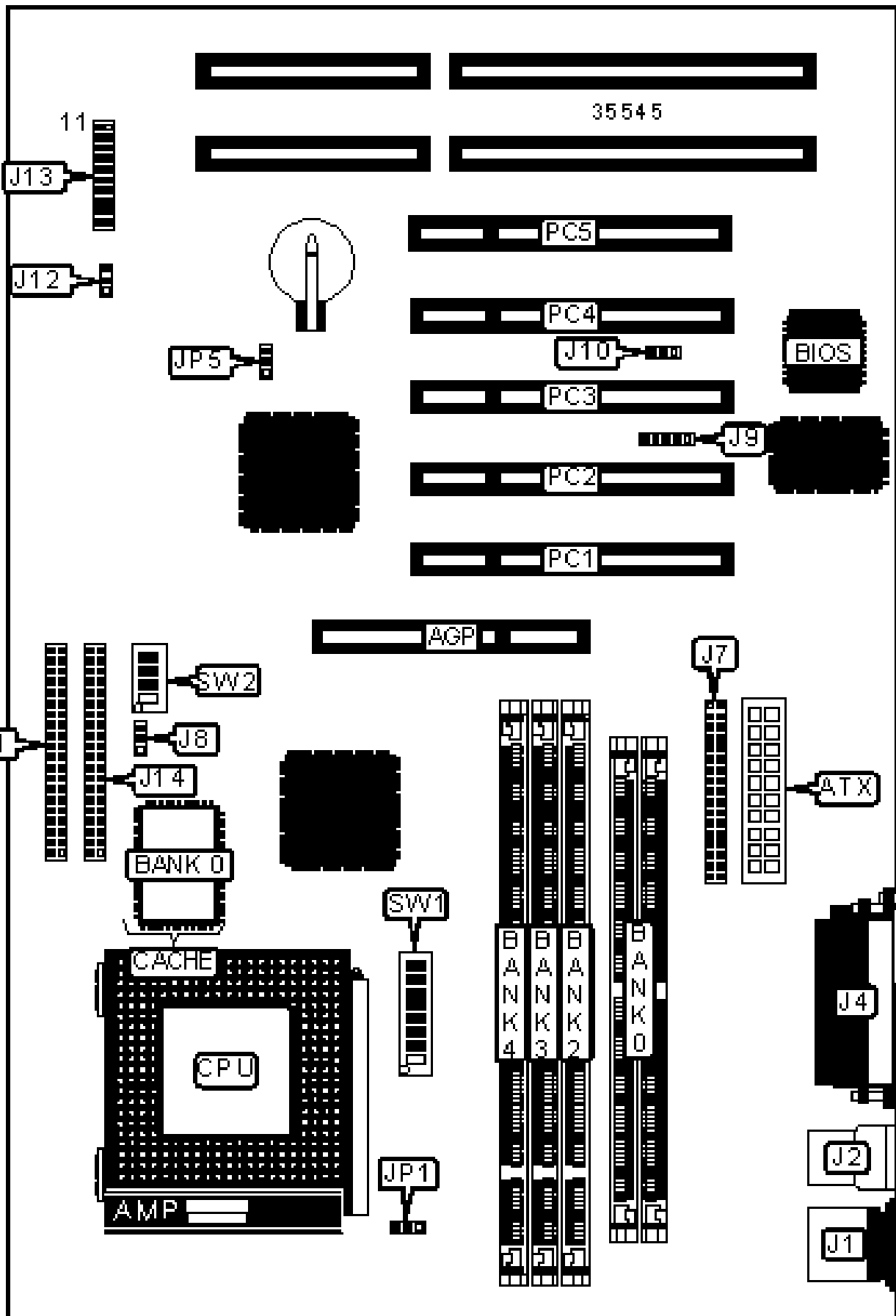


TMC RESEARCH CORPORATION

TI5VG+ 100MHZ (VER. 1.0B)

Configuration



CONNECTIONS

Purpose	Location	Purpose	Location
AGP slot	AGP	Wake in LAN conenctor	J10
ATX power connector	ATX	IDE interface 1	J11
PS/2 mouse port	J1	Chassis fan power	J12
USB connector 1	J2	Speaker	J13/pins 1 - 4
USB connector 2	J2A	Soft off power supply	J13/pins 7 & 17
Serial port 1	J3	Turbo LED	J13/pins 8 & 18
Parallel port	J4	Reset switch	J13/pins 9 & 19
Serial port 2	J5	IDE interface LED	J13/pins 10 & 20
Floppy drive interface	J7	Power LED & keylock	J13/pins 11 - 15
CPU fan power	J8	IDE interface 2	J14
IR connector	J9	32-bit PCI slots	PC1 – PC5

USER CONFIGURABLE SETTINGS

Function	Label	Position
» CMOS memory normal operation	JP5	Pins 1 & 2 closed
CMOS memory clear	JP5	Pins 2 & 3 closed

SIMM CONFIGURATION

Size	Bank 0
8MB	(2) 1M x 36
16MB	(2) 2M x 36
32MB	(2) 4M x 36
64MB	(2) 8M x 36
128MB	(2) 16M x 36

256MB	(2) 32M x 36
Note: Board accepts EDO memory.	

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

DIMM CONFIGURATION (CON'T)			
Size	Bank 0	Bank 1	Bank 2
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
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

DIMM CONFIGURATION (CON'T)

Size	Bank 0	Bank 1	Bank 2
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 & SDRAM memory.

DIMM FREQUENCY CONFIGURATION

Setting	JP1
Run CPU clock	Pins 1 & 2 closed
Run AGP clock	Pins 2 & 3 closed

CACHE CONFIGURATION

Size	Bank 0
512KB	(1) 64K x 64
1MB	(1) 128K x 64

CPU SPEED SELECTION (CX 6X86)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
166MHz	66MHz	2x	Off	On	On	Off
200MHz	75MHz	2x	Off	Off	On	Off

CPU SPEED SELECTION (CX 6X86, CON'T)

CPU speed	Clock speed	Multiplier	SW1/5	SW1/6	SW1/7	SW1/8
166MHz	66MHz	2x	On	Off	Off	On
200MHz	75MHz	2x	On	Off	Off	On

CPU SPEED SELECTION (CX 6X86L)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
166MHz	66MHz	2x	Off	On	On	Off
200MHz	75MHz	2x	Off	Off	On	Off

CPU SPEED SELECTION (CX 6X86L, CON'T)

CPU speed	Clock speed	Multiplier	SW1/5	SW1/6	SW1/7	SW1/8
166MHz	66MHz	2x	On	Off	Off	On
200MHz	75MHz	2x	On	Off	Off	On

CPU SPEED SELECTION (CX 6X86MX)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
200MHz	66MHz	2.5x	Off	On	On	Off
233MHz	66MHz	3x	Off	On	On	Off
266MHz	66MHz	3.5x	Off	On	On	Off
233MHz	75MHz	2.5x	Off	Off	On	Off
266MHz	83MHz	2.5x	Off	On	Off	Off
300MHz	83MHz	3x	Off	On	Off	Off
333MHz	100MHz	2.5x	Off	Off	Off	On
366MHz	100MHz	3x	Off	Off	Off	On

CPU SPEED SELECTION (CX 6X86MX, CON'T)

CPU speed	Clock speed	Multiplier	SW1/5	SW1/6	SW1/7	SW1/8
200MHz	66MHz	2.5x	On	On	Off	On
233MHz	66MHz	3x	Off	On	Off	On
266MHz	66MHz	3.5x	Off	Off	Off	On
233MHz	75MHz	2.5x	On	On	Off	On
266MHz	83MHz	2.5x	On	On	Off	Off
300MHz	83MHz	3x	Off	On	Off	Off
333MHz	100MHz	2.5x	On	On	Off	Off
366MHz	100MHz	3x	Off	On	Off	Off

CPU SPEED SELECTION (IDT C6)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
180MHz	60MHz	3x	On	On	On	Off
200MHz	66MHz	3x	Off	On	On	Off

CPU SPEED SELECTION (IDT C6, CON'T)

CPU speed	Clock speed	Multiplier	SW1/5	SW1/6	SW1/7	SW1/8
180MHz	60MHz	3x	Off	On	Off	On
200MHz	66MHz	3x	Off	On	Off	On

CPU SPEED SELECTION (IDT WINCHIP)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
200MHz	66MHz	3x	Off	On	On	Off
225MHz	75MHz	3x	Off	Off	On	Off
266MHz	66MHz	4x	Off	On	On	Off

CPU SPEED SELECTION (IDT WINCHIP, CON'T)

CPU speed	Clock speed	Multiplier	SW1/5	SW1/6	SW1/7	SW1/8
200MHz	66MHz	3x	Off	On	Off	On
225MHz	75MHz	3x	Off	On	On	On
266MHz	66MHz	4x	On	Off	On	On

CPU SPEED SELECTION (AM K5)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
90MHz	60MHz	1.5x	On	On	On	Off
100MHz	66MHz	1.5x	Off	On	On	Off
133MHz	66MHz	2x	Off	On	On	Off
166MHz	66MHz	2.5x	Off	On	On	Off

CPU SPEED SELECTION (AM K5, CON'T)

CPU speed	Clock speed	Multiplier	SW1/5	SW1/6	SW1/7	SW1/8
90MHz	60MHz	1.5x	Off	Off	Off	On
100MHz	66MHz	1.5x	Off	Off	Off	On
133MHz	66MHz	2x	On	Off	Off	On
166MHz	66MHz	2.5x	On	On	Off	On

CPU SPEED SELECTION (AM K6)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
166MHz	66MHz	2.5x	Off	On	On	Off
200MHz	66MHz	3x	Off	On	On	Off
233MHz	66MHz	3.5x	Off	On	On	Off

266MHz	66MHz	4x	Off	On	On	Off
300MHz	66MHz	4.5x	Off	On	On	Off

CPU SPEED SELECTION (AM K6, CON'T)

CPU speed	Clock speed	Multiplier	SW1/5	SW1/6	SW1/7	SW1/8
166MHz	66MHz	2.5x	On	On	Off	On
200MHz	66MHz	3x	Off	On	Off	On
233MHz	66MHz	3.5x	Off	Off	Off	On
266MHz	66MHz	4x	On	Off	On	On
300MHz	66MHz	4.5x	On	On	On	On

CPU SPEED SELECTION (AM K6-2)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
300MHz	100MHz	3x	Off	Off	Off	On
333MHz	95MHz	3.5x	On	Off	Off	On
350MHz	100MHz	3.5x	Off	Off	Off	On
400MHz	100MHz	4x	Off	Off	Off	On

CPU SPEED SELECTION (AM K6-2, CON'T)

CPU speed	Clock speed	Multiplier	SW1/5	SW1/6	SW1/7	SW1/8
300MHz	100MHz	3x	Off	On	Off	Off
333MHz	95MHz	3.5x	Off	Off	Off	Off
350MHz	100MHz	3.5x	Off	Off	Off	Off
400MHz	100MHz	4x	On	Off	On	Off

CPU SPEED SELECTION (INTEL)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
90MHz	60MHz	1.5x	On	On	On	Off
100MHz	66MHz	1.5x	Off	On	On	Off
120MHz	60MHz	2x	On	On	On	Off
133MHz	66MHz	2x	Off	On	On	Off
150MHz	60MHz	2.5x	On	On	On	Off
166MHz	66MHz	2.5x	Off	On	On	Off
200MHz	66MHz	3x	Off	On	On	Off

CPU SPEED SELECTION (INTEL, CON'T)

CPU speed	Clock speed	Multiplier	SW1/5	SW1/6	SW1/7	SW1/8
90MHz	60MHz	1.5x	Off	Off	Off	On
100MHz	66MHz	1.5x	Off	Off	Off	On
120MHz	60MHz	2x	On	Off	Off	On
133MHz	66MHz	2x	On	Off	Off	On
150MHz	60MHz	2.5x	On	On	Off	On
166MHz	66MHz	2.5x	On	On	Off	On
200MHz	66MHz	3x	Off	On	Off	On

CPU SPEED SELECTION (INTEL MMX)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
166MHz	66MHz	2.5x	Off	On	On	Off
200MHz	66MHz	3x	Off	On	On	Off
233MHz	66MHz	3.5x	Off	On	On	Off

CPU SPEED SELECTION (INTEL MMX, CON'T)

CPU speed	Clock speed	Multiplier	SW1/5	SW1/6	SW1/7	SW1/8
166MHz	66MHz	2.5x	On	On	Off	Off
200MHz	66MHz	3x	Off	On	Off	Off
233MHz	66MHz	3.5x	Off	Off	Off	Off

CPU VOLTAGE SELECTION (SINGLE)				
Voltage	SW2/1	SW2/2	SW2/3	SW2/4
3.5v	On	On	On	On

CPU VOLTAGE SELECTION					
Voltage I/O	V core	SW2/1	SW2/2	SW2/3	SW2/4
3.3v	2.3v	On	On	Off	Off
3.3v	2.4v	Off	Off	On	Off
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	3.1v	On	On	Off	On
3.3v	3.2v	Off	Off	On	On
3.3v	3.3v	On	Off	On	On
3.3v	3.4v	Off	On	On	On
3.3v	3.5v	On	On	On	On