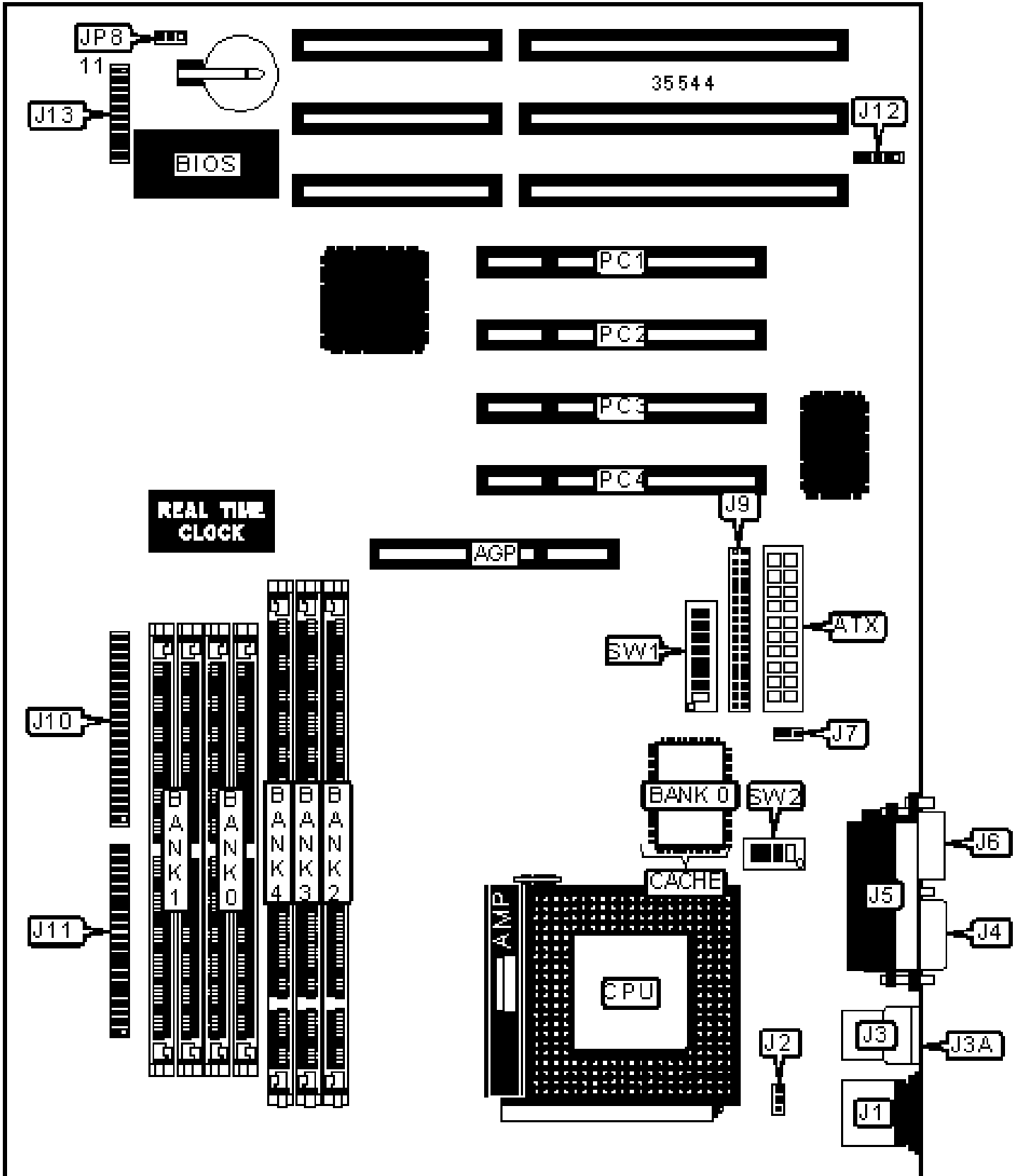


TMC RESEARCH CORPORATION

TI5VG (VER. 1.0A)

Configuration



CONNECTIONS

Purpose	Location	Purpose	Location
AGP slot	AGP	IDE interface 2	J10
ATX power connector	ATX	IDE interface 1	J11
PS/2 mouse port	J1	IR connector	J12
CPU fan power	J2	Speaker	J13/pins 1 - 4
USB connector 1	J3	Soft off power supply	J13/pins 7 & 17
USB connector 2	J3A	Turbo LED	J13/pins 8 & 18
Serial port 1	J4	Reset switch	J13/pins 9 & 19
Parallel port	J5	IDE interface LED	J13/pins 10 & 20
Serial port 2	J6	Power LED & keylock	J13/pins 11 - 15
Chassis fan power	J7	32-bit PCI slots	PC1 – PC4
Floppy drive interface	J9		

USER CONFIGURABLE SETTINGS

Function	Label	Position
» CMOS memory normal operation	JP8	Pins 1 & 2 closed
CMOS memory clear	JP8	Pins 2 & 3 closed
» Factory configured – do not alter	SW1/8	Unidentified

SIMM 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
128MB	(2) 16M x 36	None

SIMM CONFIGURATION (CON'T)

Size	Bank 0	Bank 1
136MB	(2) 16M x 36	(2) 1M x 36
144MB	(2) 16M x 36	(2) 2M x 36
160MB	(2) 16M x 36	(2) 4M x 36
192MB	(2) 16M x 36	(2) 8M x 36
256MB	(2) 16M x 36	(2) 16M x 36

Note: Board accepts EDO memory.

DIMM CONFIGURATION

Size	Bank 2	Bank 3	Bank 4
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
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

DIMM CONFIGURATION (CON'T)

Size	Bank 2	Bank 3	Bank 4
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 & SDRAM memory.			

CACHE CONFIGURATION

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

CPU SPEED SELECTION (CX 6X86)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
150MHz	60MHz	2x	On	Off	Off	Off
166MHz	66MHz	2x	Off	Off	Off	Off

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

CPU speed	Clock speed	Multiplier	SW1/5	SW1/6	SW1/7
150MHz	60MHz	2x	On	Off	Off
166MHz	66MHz	2x	On	Off	Off

CPU SPEED SELECTION (CX 6X86L)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
150MHz	60MHz	2x	On	Off	Off	Off
166MHz	66MHz	2x	Off	Off	Off	Off

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

CPU speed	Clock speed	Multiplier	SW1/5	SW1/6	SW1/7
150MHz	60MHz	2x	On	Off	Off
166MHz	66MHz	2x	On	Off	Off

CPU SPEED SELECTION (CX 6X86MX)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
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200MHz	66MHz	3x	Off	Off	Off	Off
233MHz	66MHz	3.5x	Off	Off	Off	Off
266MHz	66MHz	4x	Off	Off	Off	Off

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

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

CPU SPEED SELECTION (AM K5)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
133MHz	66MHz	2x	Off	Off	Off	Off
166MHz	66MHz	2.5x	Off	Off	Off	Off

CPU SPEED SELECTION (AM K5, CON'T)

CPU speed	Clock speed	Multiplier	SW1/5	SW1/6	SW1/7
133MHz	66MHz	2x	On	Off	Off
166MHz	66MHz	2.5x	On	On	Off

CPU SPEED SELECTION (AM K6)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
166MHz	66MHz	2.5x	Off	Off	Off	Off
200MHz	66MHz	3x	Off	Off	Off	Off
233MHz	66MHz	3.5x	Off	Off	Off	Off
266MHz	66MHz	4x	Off	Off	Off	Off

300MHz	66MHz	4.5x	Off	Off	Off	Off
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CPU SPEED SELECTION (AM K6, CON'T)

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

CPU SPEED SELECTION (INTEL)

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

CPU SPEED SELECTION (INTEL, CON'T)

CPU speed	Clock speed	Multiplier	SW1/5	SW1/6	SW1/7
90MHz	60MHz	1.5x	Off	Off	Off
100MHz	66MHz	1.5x	Off	Off	Off
120MHz	60MHz	2x	On	Off	Off
133MHz	66MHz	2x	On	Off	Off

150MHz	60MHz	2.5x	On	On	Off
166MHz	66MHz	2.5x	On	On	Off
200MHz	66MHz	3x	Off	Off	Off

CPU SPEED SELECTION (INTEL MMX)						
CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
166MHz	66MHz	2.5x	Off	Off	Off	Off
200MHz	66MHz	3x	Off	Off	Off	Off
233MHz	66MHz	3.5x	Off	Off	Off	Off

CPU SPEED SELECTION (INTEL MMX, CON'T)					
CPU speed	Clock speed	Multiplier	SW1/5	SW1/6	SW1/7
166MHz	66MHz	2.5x	On	On	Off
200MHz	66MHz	3x	Off	On	Off
233MHz	66MHz	3.5x	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	2.1v	On	Off	Off	Off
3.3v	2.2v	Off	On	Off	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	3.5v	On	On	On	On