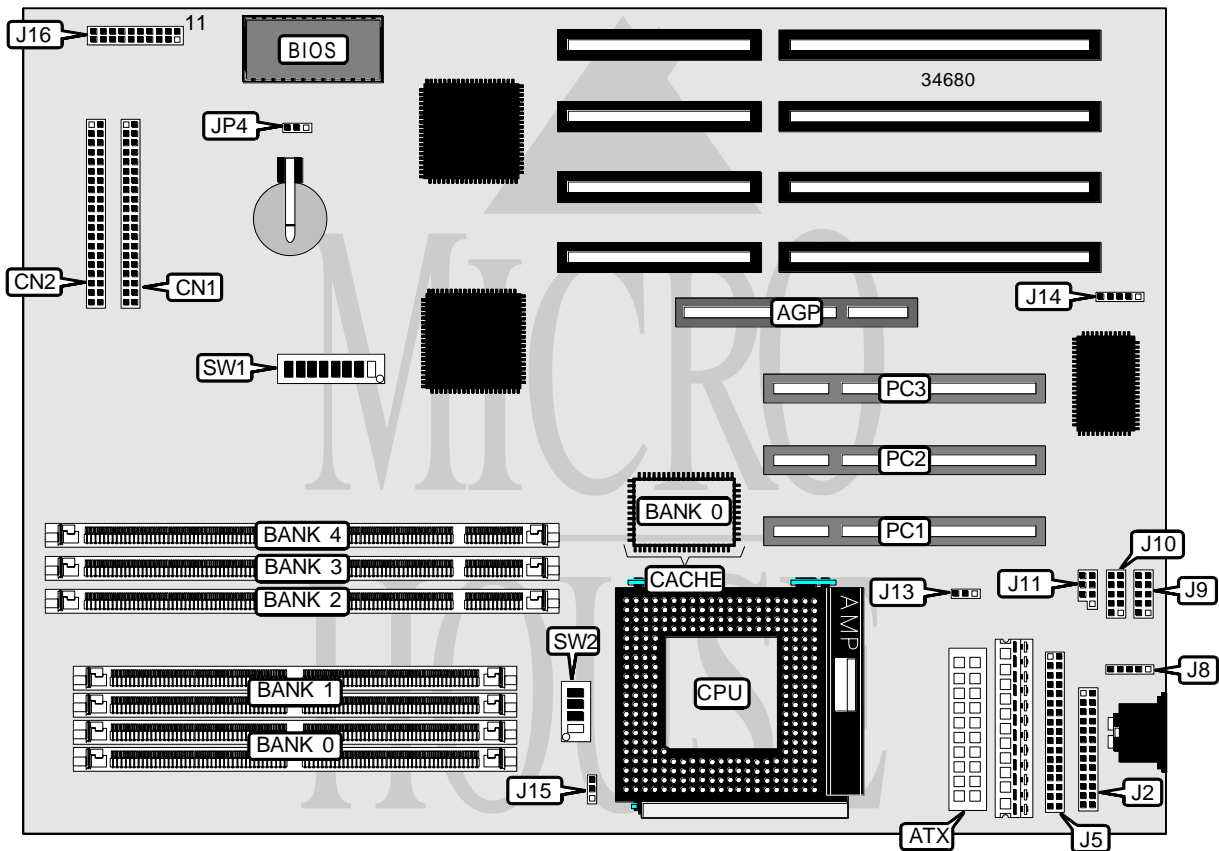


# TMC RESEARCH CORPORATION

## AI5VG (VER. 1.0)

<b>Processor</b>	CX 6X86/CX 6X86L/CX 686MX/AM K5/AM K6/Pentium
<b>Processor Speed</b>	90/100/120/133/150/166/200/233/266MHz
<b>Chip Set</b>	VIA
<b>Video Chip Set</b>	None
<b>Maximum Onboard Memory</b>	384MB (EDO supported)
<b>Maximum Video Memory</b>	None
<b>Cache</b>	512KB
<b>BIOS</b>	Unidentified
<b>Dimensions</b>	330mm x 218mm
<b>I/O Options</b>	32-bit PCI slots (3), floppy drive interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse interface, serial ports (2), IR connector, USB connector, ATX power connector, AGP slot
<b>NPU Options</b>	None



*Continued on next page...*

TMC RESEARCH CORPORATION  
AI5VG (VER. 1.0)

... continued from previous page

CONNECTIONS			
Purpose	Location	Purpose	Location
AGP slot	AGP	Chassis fan power	J13
ATX power connector	ATX	IR connector	J14
IDE interface 2	CN1	CPU fan power	J15
IDE interface 1	CN2	Speaker	J16/pins 1 - 4
Parallel port	J2	Soft off power supply	J16/pins 7 & 17
Floppy drive interface	J5	Turbo LED	J16/pins 8 & 18
PS/2 mouse port	J8	Reset switch	J16/pins 9 & 19
Serial port 2	J9	IDE interface LED	J16/pins 10 & 20
Serial port 1	J10	Power LED & keylock	J16/pins 11 - 15
USB connector	J11	32-bit PCI slots	PC1 – PC3

USER CONFIGURABLE SETTINGS		
Function	Label	Position
CMOS memory normal operation	JP4	Pins 1 & 2 closed
CMOS memory clear	JP4	Pins 2 & 3 closed
Power type select AT	SW1/8	On
Power type select ATX	SW1/8	Off

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
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.

Continued on next page...

TMC RESEARCH CORPORATION  
AI5VG (VER. 1.0)

... continued from previous page

DIMM CONFIGURATION			
Size	Bank 2	Bank 3	Bank 4
8MB	None	(1) 1M x 64	None
16MB	None	(1) 2M x 64	None
16MB	(1) 1M x 64	(1) 1M x 64	None
24MB	(1) 1M x 64	(1) 2M x 64	None
24MB	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64
32MB	None	(1) 4M x 64	None
32MB	(1) 2M x 64	(1) 2M x 64	None
40MB	(1) 1M x 64	(1) 4M x 64	None
48MB	(1) 2M x 64	(1) 4M x 64	None
48MB	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64
64MB	None	(1) 8M x 64	None
64MB	(1) 4M x 64	(1) 4M x 64	None
72MB	(1) 1M x 64	(1) 8M x 64	None
80MB	(1) 2M x 64	(1) 8M x 64	None
96MB	(1) 4M x 64	(1) 8M x 64	None
96MB	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64
128MB	None	(1) 16M x 64	None
128MB	(1) 8M x 64	(1) 8M x 64	None
136MB	(1) 1M x 64	(1) 16M x 64	None
144MB	(1) 2M x 64	(1) 16M x 64	None
160MB	(1) 4M x 64	(1) 16M x 64	None
192MB	(1) 8M x 64	(1) 16M x 64	None
192MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64
256MB	(1) 16M x 64	(1) 16M x 64	None
384MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64

Note: Board accepts EDO memory.

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

CPU SPEED SELECTION (CX 6X86/6X 86L)					
CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3
150MHz	60MHz	2x	On	Off	Off
166MHz	66MHz	2x	Off	Off	Off

CPU SPEED SELECTION (CX 6X86/6X 86L, CON'T)						
CPU speed	Clock speed	Multiplier	SW1/4	SW1/5	SW1/6	SW1/7
150MHz	60MHz	2x	Off	On	Off	Off
166MHz	66MHz	2x	Off	On	Off	Off

Continued on next page. . .

TMC RESEARCH CORPORATION  
AI5VG (VER. 1.0)

... continued from previous page

CPU SPEED SELECTION (CX 6X86MX)					
CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3
200MHz	66MHz	2.5x	Off	Off	Off
233MHz	66MHz	3x	Off	Off	Off
266MHz	66MHz	3.5x	Off	Off	Off

CPU SPEED SELECTION (CX 6X86MX, CON'T)						
CPU speed	Clock speed	Multiplier	SW1/4	SW1/5	SW1/6	SW1/7
200MHz	66MHz	2.5x	Off	On	On	Off
233MHz	66MHz	3x	Off	Off	On	Off
266MHz	66MHz	3.5x	Off	Off	Off	Off

CPU SPEED SELECTION (AM K5)					
CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3
90MHz	60MHz	1.5x	On	Off	Off
100MHz	66MHz	1.5x	Off	Off	Off
133MHz	66MHz	2x	Off	Off	Off
166MHz	66MHz	2.5x	Off	Off	Off

CPU SPEED SELECTION (AM K5, CON'T)						
CPU speed	Clock speed	Multiplier	SW1/4	SW1/5	SW1/6	SW1/7
90MHz	60MHz	1.5x	Off	Off	Off	Off
100MHz	66MHz	1.5x	Off	Off	Off	Off
133MHz	66MHz	2x	Off	On	Off	Off
166MHz	66MHz	2.5x	Off	On	On	Off

CPU SPEED SELECTION (AM K6)					
CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3
166MHz	66MHz	2.5x	Off	Off	Off
200MHz	66MHz	3x	Off	Off	Off
233MHz	66MHz	3.5x	Off	Off	Off

CPU SPEED SELECTION (AM K6, CON'T)						
CPU speed	Clock speed	Multiplier	SW1/4	SW1/5	SW1/6	SW1/7
166MHz	66MHz	2.5x	Off	On	On	Off
200MHz	66MHz	3x	Off	Off	On	Off
233MHz	66MHz	3.5x	Off	Off	Off	Off

Continued on next page. . .

TMC RESEARCH CORPORATION  
AI5VG (VER. 1.0)

... continued from previous page

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

CPU SPEED SELECTION (INTEL, CON'T)						
CPU speed	Clock speed	Multiplier	SW1/4	SW1/5	SW1/6	SW1/7
90MHz	60MHz	1.5x	Off	Off	Off	Off
100MHz	66MHz	1.5x	Off	Off	Off	Off
120MHz	60MHz	2x	Off	On	Off	Off
133MHz	66MHz	2x	Off	On	Off	Off
150MHz	60MHz	2.5x	Off	On	On	Off
166MHz	66MHz	2.5x	Off	On	On	Off
200MHz	66MHz	3x	Off	Off	On	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 (DUAL)					
Voltage	V core	SW2/1	SW2/2	SW2/3	SW2/4
3.3v	2.1v	On	Off	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