TMC RESEARCH CORPORATION

SI5TTM (VER. 1.0)

Device Type	Mainboard
Processor	CX 6x86L/CX 6x86MX/AM K5/AM K6/Pentium/Pentium MMX
Processor Speed	90/100/120/133/150/166/180/200/233/266/300/333/366MHz
Chip Set	Intel 430TX
Video Chip Set	Chips and Technology
Maximum Onboard Memory	128MB (EDO supported)
Maximum Video Memory	1MB
Cache	512KB
BIOS	Award
Dimensions	203mm x 146mm
I/O Options	Ethernet 10BaseT connector, floppy drive interface, green PC connector, IDE interfaces (2), parallel port, serial ports (4), VGA port, IR connector, USB connector, PC/104 connectors (2)
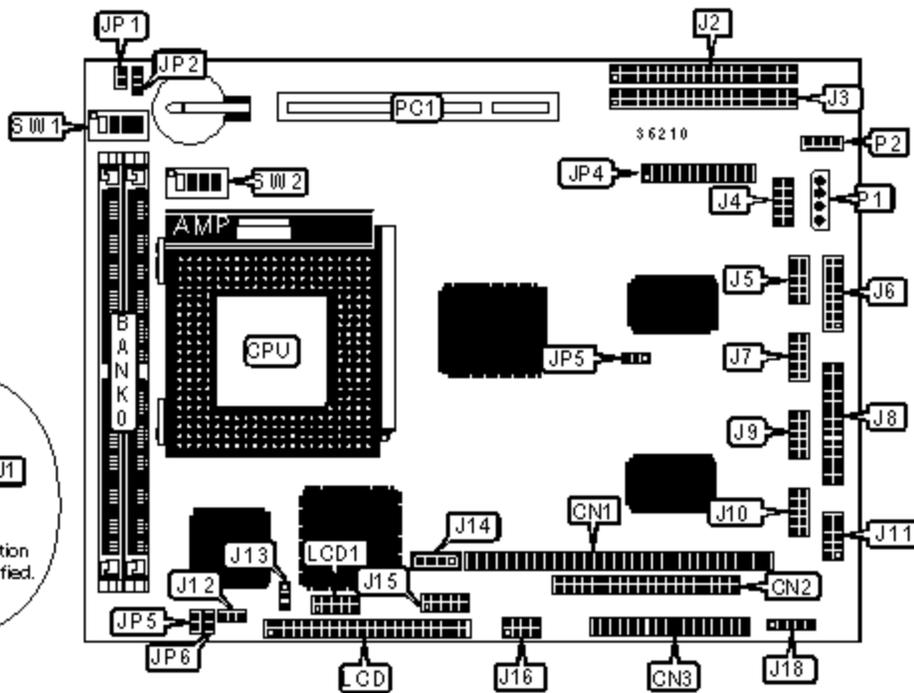
CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
PC/104 connector	CN1	Parallel port	J8
PC/104 connector	CN2	Serial port 3	J9
Floppy drive interface	CN3	Serial port 4	J10
Speaker	J1/pins 1 - 4	Keyboard/mouse connector	J11
Green PC connector	J1/pins 6 & 16	CPU fan power	J12
Turbo LED	J1/pins 8 & 18	Audio in - CD ROM	J14
Reset switch	J1/pins 9 & 19	Audio connector	J15
IDE interface LED	J1/pins 10 & 20	USB connector	J16

Power LED & keylock	J1/pins 11 - 15	IR connector	J18
IDE interface 1	J2	LCD panel connector	LCD
IDE interface 2	J3	LCD panel connector	LCD1
Ethernet 10BaseT connector	J4	Power connector	P1
Serial port 1	J5	Power connector	P2
VGA interface	J6	PCI connector	PC1
Serial port 2	J7		
Note: The location of J1 is unidentified.			

USER CONFIGURABLE SETTINGS			
	Function	Label	Position
»	CMOS memory normal operation	JP2	Pins 1 & 2 closed
	CMOS memory clear	JP2	Pins 2 & 3 closed
	DISK address select D0000	JP5	Pins 1 & 2 closed
	DISK address select D8000	JP5	Pins 2 & 3 closed
»	Factory configured - do not alter	JP6	Unidentified
	LCD voltage select 3.3v	J13	Pins 1 & 2 closed
	LCD voltage select 5v	J13	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
Note: Board accepts EDO memory.	

CACHE CONFIGURATION

Note: The location and configuration of the cache is unidentified.

VIDEO MEMORY CONFIGURATION

Note: The location and configuration of the video memory is unidentified.

CPU SPEED SELECTION (CX 6X86L)

CPU speed	Clock speed	Multiplier	JP1	SW1/1	SW1/2	SW1/3	SW1/4
150MHz	60MHz	2x	Open	On	On	On	Off
166MHz	66MHz	2x	Open	Off	Off	On	Off

CPU SPEED SELECTION (CX 6X86MX)

CPU speed	Clock speed	Multiplier	JP1	SW1/1	SW1/2	SW1/3	SW1/4
166MHz	60MHz	2.5x	Open	On	On	On	On
200MHz	66MHz	2.5x	Open	Off	Off	On	On
200MHz	75MHz	2x	Closed	Off	Off	On	Off
233MHz	66MHz	3x	Open	Off	Off	Off	On
233MHz	75MHz	2.5x	Closed	Off	Off	On	On
300MHz	66MHz	3.5x	Open	Off	Off	Off	Off
300MHz	75MHz	3x	Closed	Off	Off	Off	On

CPU SPEED SELECTION (IDT C6)

CPU speed	Clock speed	Multiplier	JP1	SW1/1	SW1/2	SW1/3	SW1/4
180MHz	60MHz	3x	Open	On	On	Off	On
200MHz	66MHz	3x	Open	Off	Off	Off	On

CPU SPEED SELECTION (AM K5)

CPU speed	Clock speed	Multiplier	JP1	SW1/1	SW1/2	SW1/3	SW1/4
100MHz	66MHz	1.5x	Open	Off	Off	Off	Off
133MHz	66MHz	1.5x	Open	Off	Off	On	Off
166MHz	66MHz	1.75x	Open	Off	Off	On	On

CPU SPEED SELECTION (AM K6)

CPU speed	Clock speed	Multiplier	JP1	SW1/1	SW1/2	SW1/3	SW1/4
166MHz	66MHz	1.75x	Open	Off	Off	On	On
200MHz	66MHz	3x	Open	Off	Off	Off	On
233MHz	66MHz	3.5x	Open	Off	Off	Off	Off
266MHz	66MHz	4x	Closed	Off	Off	On	Off
300MHz	66MHz	4.5x	Closed	Off	Off	On	On

CPU SPEED SELECTION (INTEL)

CPU speed	Clock speed	Multiplier	JP1	SW1/1	SW1/2	SW1/3	SW1/4
90MHz	60MHz	1.5x	Open	On	On	Off	Off
100MHz	66MHz	1.5x	Open	Off	Off	Off	Off
120MHz	60MHz	2x	Open	On	On	On	Off
133MHz	66MHz	2x	Open	Off	Off	On	Off
150MHz	60MHz	2.5x	Open	On	On	On	On
166MHz	66MHz	2.5x	Open	Off	Off	On	On
200MHz	66MHz	3x	Open	Off	Off	Off	On

CPU SPEED SELECTION (INTEL MMX)

CPU speed	Clock speed	Multiplier	JP1	SW1/1	SW1/2	SW1/3	SW1/4

166MHz	66MHz	2.5x	Open	Off	Off	On	On
200MHz	66MHz	3x	Open	Off	Off	Off	On
233MHz	66MHz	3.5x	Open	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)					
V core	Voltage	SW2/1	SW2/2	SW2/3	SW2/4
3.3v	2.0v	Off	Off	Off	Off
3.3v	2.1v	On	Off	Off	Off
3.3v	2.2v	Off	On	Off	Off
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	3.2v	Off	Off	On	On
3.3v	3.5v	On	On	On	On

SERIAL PORT 2 SELECTION	
Setting	JP4
RS-232	Open

| RS-422 | Pins 1 & 2, 3 & 4, 5 & 6, 7 & 8, 11 & 12, 15 & 16, 17 & 18, 19 & 20, 23 & 24 closed |
| RS-485 | Pins 1 & 2, 3 & 4, 5 & 6, 7 & 8, 9 & 10, 11 & 12, 13 & 14, 15 & 16, 17 & 18, 19 & 20, 21 & 22, 23 & 24 closed |