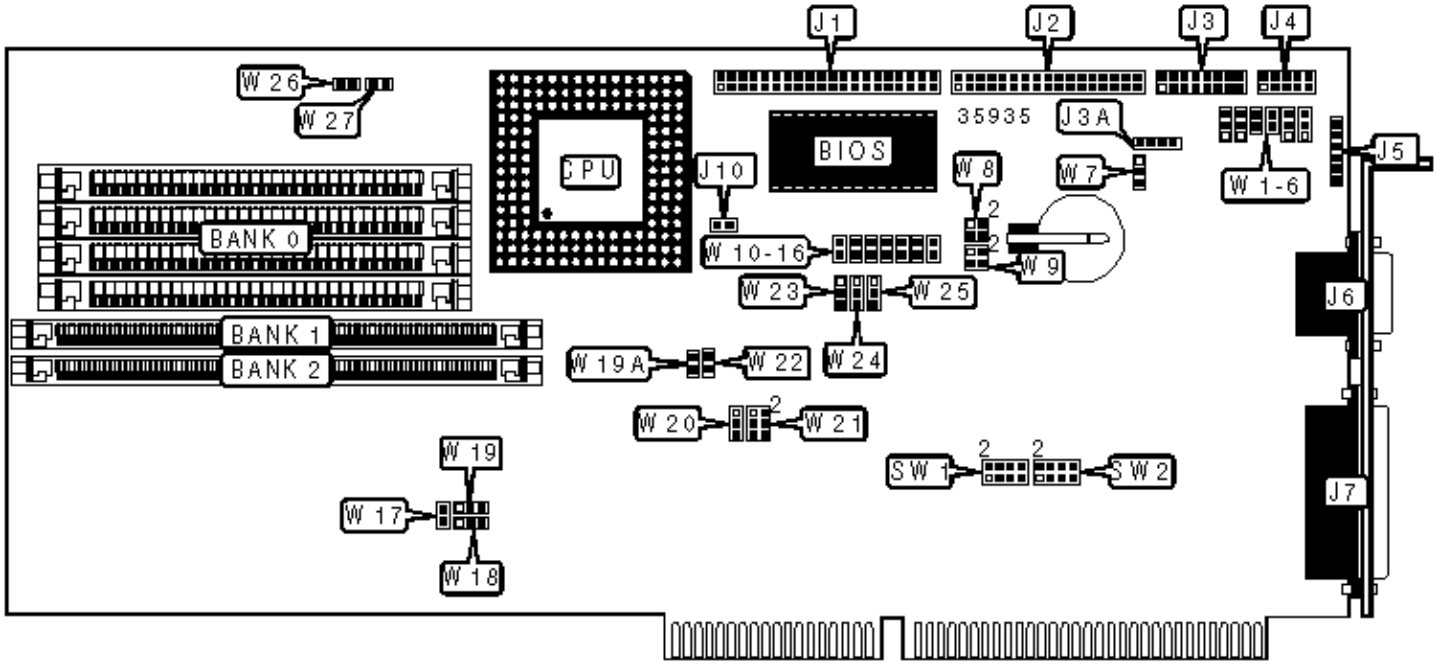
TEKNOR INDUSTRIAL COMPUTERS, INC.

TEK-AT4L PLUS

Configuration



CONNECTIONS

Purpose	Location	Purpose	Location
IDE interface	J1	Power connector	J5
Floppy drive interface	J2	Serial port 1	J6
Front panel connector	J3	Parallel port	J7
PS/2 mouse interface	J3A	Chassis fan power	J10
Serial port 2	J4		

USER CONFIGURABLE SETTINGS

	Function	Label	Position
	Boot from flash	SW1/pins 1 & 2	Closed
	Boot from drive	SW1/pins 1 & 2	Open
	Serial port select for VT100 download COM2	SW1/pins 3 & 4	Closed
	Serial port select for VT100 download COM1	SW1/pins 3 & 4	Open
	Display mode select VT100	SW1/pins 5 & 6	Closed
	Display mode select standard	SW1/pins 5 & 6	Open
	Download mode select remote	SW1/pins 7 & 8	Closed
	Download mode select normal	SW1/pins 7 & 8	Open
»	Factory configured - do not alter	SW2	Unidentified
»	Power fail detection	W7	Pins 1 & 2 closed
	Low battery detection	W7	Pins 2 & 3 closed
»	Vbatt disabled	W10	Open
	Vbatt enabled	W10	Closed
»	IOCHRDY signal to IDE interface disabled	W11	Open
	IOCHRDY signal to IDE interface enabled	W11	Closed
»	Watchdog timer enabled	W12	Closed

	Watchdog timer disabled	W12	Open
»	Power monitoring disabled	W13	Open
	Power monitoring enabled	W13	Closed
»	Flash BIOS write enabled	W14	Closed
	Flash BIOS write disabled	W14	Open
»	BIOS write select EPROM	W15	Open
	BIOS write select flash	W15	Closed
»	Teknor BIOS extension enabled	W16	Open
	Teknor BIOS extension disabled	W16	Closed
»	PS/2 mouse enabled	W19A	Closed
	PS/2 mouse disabled	W19A	Open
»	Monitor type select color	W22	Open
	Monitor type select monochrome	W22	Closed
	Parallel port IRQ select IRQ5	W25	Pins 1 & 2 closed
	Parallel port IRQ select IRQ7	W25	Pins 2 & 3 closed

SIMM CONFIGURATION	
Size	Bank 0
1MB	(4) 256K x 9
4MB	(4) 1M x 9
16MB	(4) 4M x 9
32MB	(4) 8M x 9

SIMM CONFIGURATION		
Size	Bank 0	Bank 1
1MB	(1) 256K x 36	None

2MB	(1) 512K x 36	None
2MB	(1) 256K x 36	(1) 256K x 36
3MB	(1) 512K x 36	(1) 256K x 36
4MB	(1) 1M x 36	None
4MB	(1) 512K x 36	(1) 512K x 36
5MB	(1) 1M x 36	(1) 256K x 36
6MB	(1) 1M x 36	(1) 512K x 36
8MB	(1) 2M x 36	None
8MB	(1) 1M x 36	(1) 1M x 36
9MB	(1) 2M x 36	(1) 256K x 36
10MB	(1) 2M x 36	(1) 512K x 36
12MB	(1) 2M x 36	(1) 1M x 36
16MB	(1) 4M x 36	None
16MB	(1) 2M x 36	(1) 2M x 36
17MB	(1) 4M x 36	(1) 256K x 36
18MB	(1) 4M x 36	(1) 512K x 36
20MB	(1) 4M x 36	(1) 1M x 36
24MB	(1) 4M x 36	(1) 2M x 36
32MB	(1) 8M x 36	None
32MB	(1) 4M x 36	(1) 4M x 36

CACHE CONFIGURATION
Note: The location of the cache is unidentified.

CPU SPEED SELECTION	
Speed	W21

25MHz	Pins 1 & 2, 3 & 4, 5 & 6 closed
33MHz	Pins 3 & 4, 5 & 6 closed
50iMHz	Pins 1 & 2, 3 & 4, 5 & 6 closed
66iMHz	Pins 3 & 4, 5 & 6 closed
75iMHz	Pins 1 & 2, 3 & 4, 5 & 6 closed
100iMHz	Pins 3 & 4, 5 & 6 closed

CPU TYPE SELECTION				
Type	W17	W18	W19	W26
80486SX	Open	Pins 1 & 2 closed	Open	Open
80486SX2	Open	Pins 1 & 2 closed	Open	Open
80486DX	Pins 1 & 2 closed	Pins 2 & 3 closed	Pins 1 & 2 closed	Open
AM486DX2	Pins 1 & 2 closed	Pins 2 & 3 closed	Pins 1 & 2 closed	Closed
80486DX2	Pins 1 & 2 closed	Pins 2 & 3 closed	Pins 1 & 2 closed	Open
80486DX2 (WB)	Pins 1 & 2 closed	Pins 2 & 3 closed	Pins 1 & 2 closed	Open
ODP486	Pins 1 & 2 closed	Pins 2 & 3 closed	Pins 2 & 3 closed	Open
80486DX4	Pins 1 & 2 closed	Pins 2 & 3 closed	Pins 1 & 2 closed	Open
AM486DX4	Pins 1 & 2 closed	Pins 2 & 3 closed	Pins 1 & 2 closed	Open
80486DX4 (WB)	Pins 1 & 2 closed	Pins 2 & 3 closed	Pins 1 & 2 closed	Open
AM 5X86	Pins 1 & 2 closed	Pins 2 & 3 closed	Pins 1 & 2 closed	Closed

CPU VOLTAGE SELECTION	
Voltage	W27
3.3v	Open
5v	Closed

BUSCLK SIGNAL SELECTION

Speed	W20
16MHz	Pins 2 & 3 closed
25MHz	Pins 1 & 2 closed
33MHz	Open

DMA CHANNEL SELECTION

Channel	W23	W24
1	Pins 1 & 2 closed	Pins 1 & 2 closed
3	Pins 2 & 3 closed	Pins 2 & 3 closed

SERIAL PORT 2 SELECTION

Setting	W1	W2	W3	W4	W5	W6
RS-232	1 & 2	1 & 2	Open	Open	1 & 2	1 & 2
RS-485	2 & 3	2 & 3	Closed	Closed	2 & 3	2 & 3

Note: Pins designated should be in the closed position.

EDOUT SELECTION

Setting	W8
EDOUT left to software	Open
EDOUT to pin 29 & ground to pin 17	Pins 1 & 3, 2 & 4 closed
EDOUT to pin 17 & ground to pin 29	Pins 1 & 2, 3 & 4 closed

Note: The above listed pins are located on J2.

HDOUT SELECTION

Setting	W9

HDOUT left to software	Open
HDOUT to pin 33 & ground to pin 27	Pins 1 & 3, 2 & 4 closed
HDOUT to pin 27 & ground to pin 33	Pins 1 & 2, 3 & 4 closed
Note: The above listed pins are located on J2.	