TEKNOR INDUSTRIAL COMPUTERS, INC.

PCI-935

Configuration

W21 J1 J2 J3 J4 J5 J6 J7

W11 J8 J9 J10

W31 W4 J25 J26 J27 J12

W5 W6 J11 J13

W7 SEE DETAIL BELOW

36044

J14

J17

J21

W9

W8 2 2

W14 W16 W18 W20

W21 2 W13 W19

W22 W24 W15 W17

W23
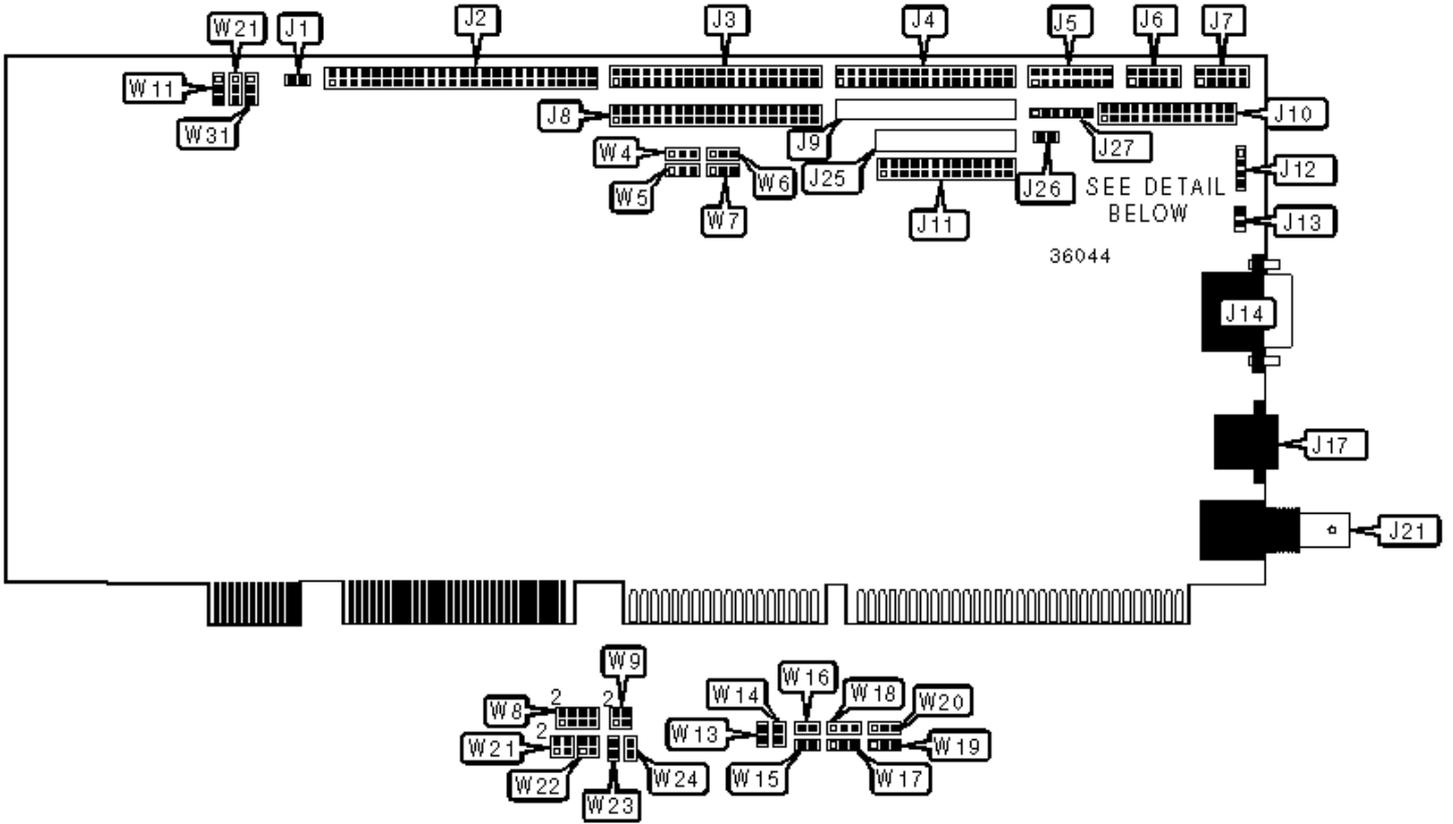
CONNECTIONS

Purpose	Location	Purpose	Location
Chassis fan power	J1	Flat panel connector	J9
SCSI interface	J2	Parallel port	J10
IDE interface 1	J3	VGA feature connector	J11
Floppy drive interface	J4	PS/2 mouse interface	J12
Front panel connector	J5	VGA port	J14
Serial port 1	J6	Ethernet 10BaseT connector	J17
Serial port 2	J7	Ethernet 10Base2 connector	J21
IDE interface 2	J8		

USER CONFIGURABLE SETTINGS

	Function	Label	Position
»	BIOS boot select normal	J13	Open
	BIOS boot select emergancy boot	J13	Closed
»	Factory configured – do not alter	J25	Unidentified
»	Factory configured – do not alter	J26	Unidentified
»	Factory configured – do not alter	J27	Unidentified
»	Serial mode select normal	W8/pins 1 & 2	Open
	Serial mode select download	W8/pins 1 & 2	Closed
»	Standard mode	W8/pins 3 & 4	Open
	VT100 mode	W8/pins 3 & 4	Closed
»	Teknor extension enabled	W8/pins 5 & 6	Open
	Teknor extension disabled	W8/pins 5 & 6	Closed
»	On board video enabled	W8/pins 7 & 8	Open
	On board video disabled	W8/pins 7 & 8	Closed

»	Cache type select write back	W11	Pins 1 & 2 closed
	Cache type select write through	W11	Pins 2 & 3 closed
»	Non maskable interrupt on power fail output disabled	W13	Open
	Non maskable interrupt on power fail output enabled	W13	Closed
»	Watchdog timer enabled	W23	Closed
	Watchdog timer disabled	W23	Open
»	Internal battery disabled	W24	Open
	Internal battery enabled	W24	Closed

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

SIMM CONFIGURATION (CON'T)		
Size	Bank 0	Bank 1
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

Note: Board accepts EDO memory.

CACHE CONFIGURATION

Note: The location of the cache is unidentified.

VIDEO MEMORY CONFIGURATION

Note: The location of the video memory is unidentified.

CPU SPEED SELECTION

CPU speed	Clock speed	Multiplier	W5	W6	W7	W21	W31
75MHz	50MHz	1.5x	1 & 2	2 & 3	2 & 3	1 & 2	1 & 2
90MHz	60MHz	1.5x	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2
100MHz	66MHz	1.5x	2 & 3	1 & 2	2 & 3	1 & 2	1 & 2
120MHz	60MHz	2x	1 & 2	1 & 2	1 & 2	1 & 2	2 & 3
133MHz	66MHz	2x	2 & 3	1 & 2	2 & 3	1 & 2	2 & 3
150MHz	60MHz	2.5x	1 & 2	1 & 2	1 & 2	2 & 3	2 & 3
166MHz	66MHz	2.5x	2 & 3	1 & 2	2 & 3	2 & 3	2 & 3
200MHz	66MHz	3x	2 & 3	1 & 2	2 & 3	2 & 3	1 & 2

Note: Pins designated should be in the closed position.

SERIAL PORT 2 SELECTION

Setting	W14	W17	W18	W19	W20
» RS-232	Open	1 & 2	1 & 2	1 & 2	1 & 2
RS-422	Closed	2 & 3	2 & 3	2 & 3	2 & 3

	RS-485	Closed	2 & 3	2 & 3	2 & 3	2 & 3

Note: Pins designated should be in the closed position.	

SERIAL PORT 2 LOOPBACK SELECTION

	Setting	W15	W16
»	Normal	Open	Open
	Loopback	Closed	Closed

BASE I/O ADDRESS SELECTION

	Address	W9
»	190H	Pins 1 & 2, 3 & 4 closed
	290H	Pins 1 & 2 closed
	390H	Pins 3 & 4 closed
	490H	Open

SCSI TERMINATION SELECTION

	Setting	W4
»	Controlled by hardware	Pins 2 & 3 closed
	Controlled by software	Pins 1 & 2 closed
	Disabled by hardware	Open

EDOUT SELECTION

	Setting	W21
»	Left to software	Open
	EDOUT to pin 29 on J4	Pins 1 & 3 closed
	EDOUT to ground pin 17 on J4	Pins 2 & 4 closed

	EDOUT to pin 17 on J4	Pins 1 & 2 closed
	EDOUT to ground pin 29 on J4	Pins 3 & 4 closed

HDOUT SELECTION		
Setting		**W22**
»	Left to software	Open
	HDOUT to pin 33 on J4	Pins 1 & 3 closed
	HDOUT to ground pin 27 on J4	Pins 2 & 4 closed
	HDOUT to pin 27 on J4	Pins 1 & 2 closed
	HDOUT to ground pin 33 on J4	Pins 3 & 4 closed