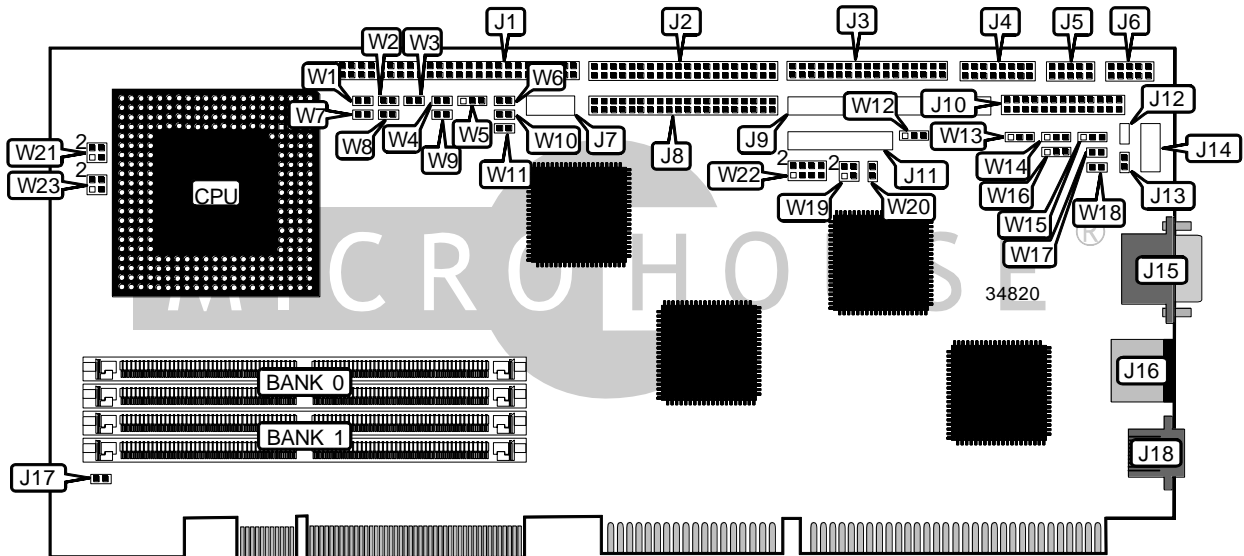


TEKNOR INDUSTRIAL COMPUTERS, INC.

TEK936

Device Type	Mainboard
Processor	Pentium
Processor Speed	75/90/100/120/133/150/166/200MHz
Chip Set	Intel
Video Chip Set	C & T
Maximum Onboard Memory	512MB (EDO supported)
Maximum Video Memory	2MB
Cache	256/512KB
BIOS	Award
Dimensions	339mm x 122mm
I/O Options	Ethernet 10BaseT connector, floppy drive interface, IDE interfaces (2), SCSI interface, parallel port, PS/2 mouse port, serial ports (2), VGA port,
NPU Options	None



CONNECTIONS			
Purpose	Location	Purpose	Location
SCSI interface	J1	IDE interface 2	J8
IDE interface 1	J2	Parallel port	J10
Floppy drive interface	J3	VGA port	J15
Multi function connector	J4	PS/2 mouse port	J16
Serial port 1	J5	Chassis fan power	J17
Serial port 2	J6	Ethernet 10BaseT connector	J18

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USER CONFIGURABLE SETTINGS		
Function	Label	Position
í Factory configured - do not alter	J7	Unidentified
í Factory configured - do not alter	J9	Unidentified
í Factory configured - do not alter	J11	Unidentified
í Factory configured - do not alter	J12	Unidentified
BIOS boot select normal	J13	Closed
BIOS boot select recovery mode	J13	Open
í Factory configured - do not alter	J14	Unidentified
í Factory configured - do not alter	W2	Unidentified
í Factory configured - do not alter	W7	Unidentified
í Factory configured - do not alter	W8	Unidentified
Flat panel clock shift select normal	W12	Pins 2 & 3 closed
Flat panel clock shift select inverted	W12	Pins 1 & 2 closed
Ethernet enabled	W20	Open
Ethernet disabled	W20	Closed
í Serial mode select normal	W22/pins 1 & 2	Open
Serial mode select download	W22/pins 1 & 2	Closed
í Standard mode enabled	W22/pins 3 & 4	Open
VT100 mode enabled	W22/pins 3 & 4	Closed
í Teknor extension enabled	W22/pins 5 & 6	Open
Teknor extension disabled	W22/pins 5 & 6	Closed
í On board video enabled	W22/pins 7 & 8	Open
On board video disabled	W22/pins 7 & 8	Closed

SIMM CONFIGURATION		
Size	Bank 0	Bank 1
2MB	(2) 256K x 36	None
4MB	(2) 512K x 36	None
4MB	(2) 256K x 36	(2) 256K x 36
6MB	(2) 512K x 36	(2) 256K x 36
8MB	(2) 1M x 36	None
8MB	(2) 512K x 36	(2) 512K x 36
10MB	(2) 1M x 36	(2) 256K x 36
12MB	(2) 512K x 36	(2) 1M x 36
16MB	(2) 2M x 36	None
16MB	(2) 1M x 36	(2) 1M x 36
18MB	(2) 2M x 36	(2) 256K x 36
20MB	(2) 512K x 36	(2) 2M x 36

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SIMM CONFIGURATION (CON'T)		
Size	Bank 0	Bank 1
24MB	(2) 2M x 36	(2) 1M x 36
32MB	(2) 4M x 36	None
32MB	(2) 2M x 36	(2) 2M x 36
34MB	(2) 4M x 36	(2) 256K x 36
36MB	(2) 512K x 36	(2) 4M x 36
40MB	(2) 4M x 36	(2) 1M x 36
48MB	(2) 2M x 36	(2) 4M x 36
64MB	(2) 8M x 36	None
64MB	(2) 4M x 36	(2) 4M x 36
66MB	(2) 8M x 36	(2) 256K x 36
68MB	(2) 512K x 36	(2) 8M x 36
72MB	(2) 8M x 36	(2) 1M x 36
80MB	(2) 2M x 36	(2) 8M 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
130MB	(2) 16M x 36	(2) 256K x 36
132MB	(2) 16M x 36	(2) 512K x 36
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.

CACHE CONFIGURATION
Note: Board accepts 256KB/512KB cache. The location and chip types are unidentified.

CACHE TYPE CONFIGURATION	
Type	W1
Write back	Open
Write through	Closed

VIDEO MEMORY CONFIGURATION
Note: Board accepts up to 2MB of video memory. The location and chip types are unidentified.

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CPU SPEED SELECTION								
CPU speed	Clock speed	Multiplier	W3	W4	W6	W9	W10	W11
75MHz	50MHz	1.5x	Open	Open	Closed	Open	Closed	Open
90MHz	60MHz	1.5x	Open	Open	Closed	Open	Open	Open
100MHz	66MHz	1.5x	Closed	Open	Open	Open	Closed	Closed
120MHz	60MHz	2x	Open	Closed	Closed	Open	Open	Open
133MHz	66MHz	2x	Closed	Closed	Open	Open	Closed	Closed
150MHz	60MHz	2.5x	Open	Closed	Closed	Closed	Open	Open
166MHz	66MHz	2.5x	Closed	Closed	Open	Closed	Closed	Closed
200MHz	66MHz	3x	Closed	Open	Open	Closed	Closed	Closed

BATTERY SELECTION		
Setting	W14	W15
Internal	Pins 1 & 2 closed	Pins 2 & 3 closed
External	Pins 2 & 3 closed	Pins 1 & 2 closed
None	Open	Open

SERIAL PORT SELECTION (RS-485)		
Setting	W17	W18
Termination enabled	Closed	Closed
Termination disabled	Open	Open

SCSI TERMINATION SELECTION	
Setting	W5
Controlled by hardware	Pins 2 & 3 closed
Controlled by software	Pins 1 & 2 closed
Disabled by hardware	Open

WATCHDOG TIMER SELECTION	
Setting	W13
Single stage watchdog	Pins 2 & 3 closed
Dual stage watchdog	Pins 1 & 2 closed
Disabled	Open

IOCHK SELECTION	
Setting	W16
From watchdog stage 1	Pins 2 & 3 closed
From power fail output	Pins 1 & 2 closed
Disabled	Open

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FLOPPY DRIVE EDOUT SELECTION	
Setting	W21
í Left to software	Open
Ground to pin 17 on J4	Pins 2 & 4 closed
Ground to pin 29 on J4	Pins 3 & 4 closed
EDOUT to pin 29 on J4	Pins 1 & 3 closed
EDOUT to pin 17 on J4	Pins 1 & 2 closed

FLOPPY DRIVE HDOUT SELECTION	
Setting	W23
í Left to software	Open
Ground to pin 27 on J4	Pins 2 & 4 closed
Ground to pin 33 on J4	Pins 3 & 4 closed
HDOUT to pin 33 on J4	Pins 1 & 3 closed
HDOUT to pin 27 on J4	Pins 1 & 2 closed

BASE I/O SELECTION	
Address	W19
í 190H	Pins 1 & 2, 3 & 4 closed
290H	Pins 1 & 2 closed
390H	Pins 3 & 4 closed
390H	Open