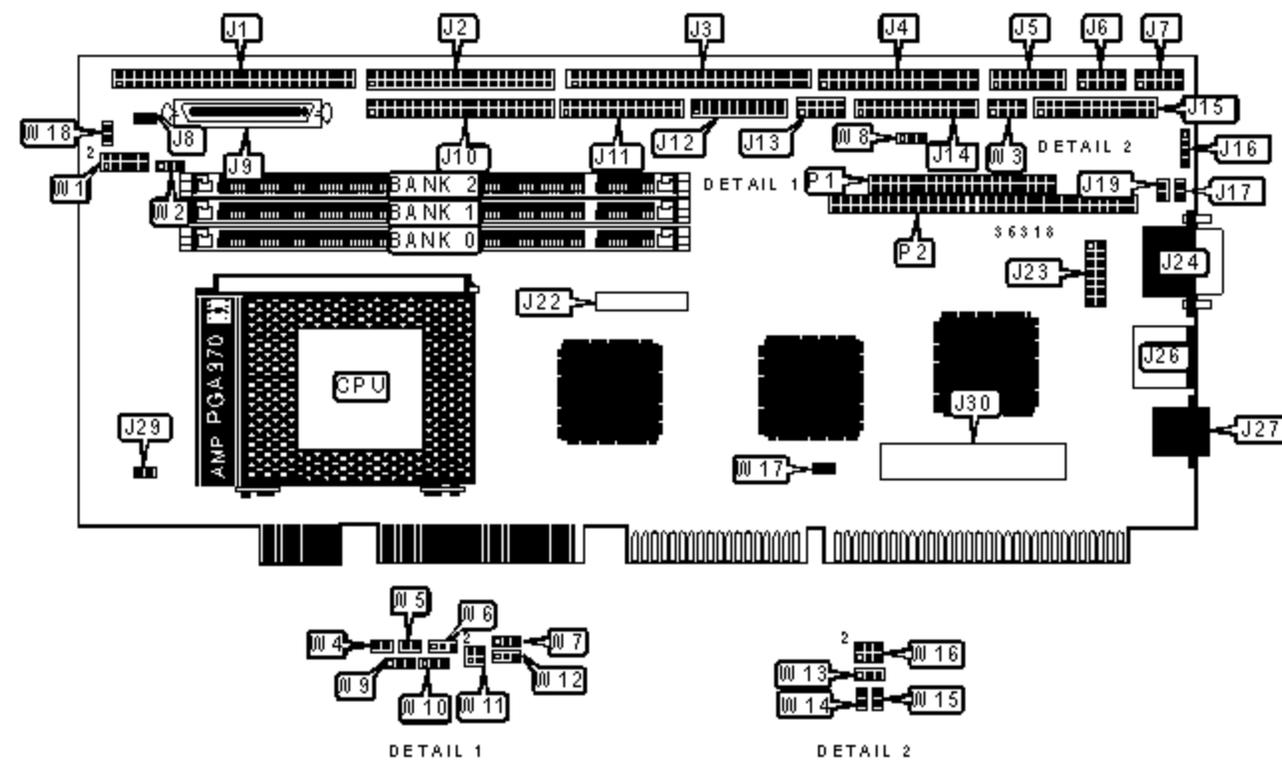


TEKNOR INDUSTRIAL COMPUTERS, INC.

PCI-941

Device Type	Single board computer
Processor	Pentium II
Processor Speed	233/266/300MHz
Chip Set	Intel 440BX
Video Chip Set	Cirrus Logic
Maximum Onboard Memory	768MB (SDRAM supported)
Maximum Video Memory	2MB
Cache	512KB
BIOS	Award
Dimensions	338mm x 122mm
I/O Options	Ethernet 10BaseT connector, floppy drive interface, IDE interfaces (2), SCSI-2 interface, Wide Ultra SCSI interface, parallel port, PS/2 mouse port, PS/2 mouse interface, serial ports (2), USB connector, PC/104 connectors (2)



CONNECTIONS

Purpose	Location	Purpose	Location
SCSI-2 interface	J1	Parallel port	J15
IDE interface 1	J2	PS/2 mouse interface	J16
Flat panel connector	J3	External battery	J17
Floppy drive interface	J4	Green PC connector	J19
Multi function connector	J5	Flash disk connector	J22
Serial port 1	J6	TV out	J23
Serial port 2	J7	VGA port	J24

SCSI interface LED	J8	PS/2 mouse port	J26
Ultra Wide SCSI interface	J9	Ethernet 10BaseT connector	J27
IDE interface 2	J10	CPU fan power	J29
Flat panel extension	J11	PC/104 connector plus	J30
Panel link connector	J12	PC/104 connector	P1
USB connector	J13	PC/104 connector	P2
V-port connector	J14		

USER CONFIGURABLE SETTINGS

Function		Label	Position
»	Factory configured - do not alter	W3/pins 1 & 3	Open
»	Factory configured - do not alter	W3/pins 3 & 4	Open
»	Standard mode enabled	W3/pins 5 & 6	Open
	VT100 mode enabled	W3/pins 5 & 6	Closed
»	Factory configured - do not alter	W3/pins 7 & 8	Open
»	Flash disk secondary IDE select master	W4	Closed
	Flash disk secondary IDE select slave	W4	Open
»	On board video enabled	W5	Closed
	On board video disabled	W5	Open
»	Flat panel clock polarity select non inverted	W6	Pins 1 & 2 closed
	Flat panel clock polarity select inverted	W6	Pins 2 & 3 closed
»	Power fail source select onboard/offboard battery	W8	Pins 1 & 2 closed
	Power fail source select offboard battery	W8	Pins 2 & 3 closed
»	Flat panel voltage select 5v	W9	Pins 1 & 2 closed
	Flat panel voltage select 3.3v	W9	Pins 2 & 3 closed
»	Panel link voltage select 750vM	W10	Pins 1 & 2 closed

	Panel link voltage select 250vM	W10	Pins 2 & 3 closed
»	PS/2 mouse connector select PS/2 mouse	W16	Pins 1 & 3, 2 & 3 closed
	PS/2 mouse connector select PS/2 keyboard	W16	Pins 3 & 5, 4 & 6 closed
»	VGA IRQ B disabled	W17	Closed
	VGA IRQ B enabled	W17	Open
»	SCSI select 8-bit	W18	Open
	SCSI select 16-bit	W18	Closed

DIMM CONFIGURATION

Size	Bank 0	Bank 1	Bank 2
8MB	(1) 1M x 64	None	None
16MB	(1) 2M x 64	None	None
16MB	(1) 1M x 64	(1) 1M x 64	None
24MB	(1) 2M x 64	(1) 1M x 64	None
24MB	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64
32MB	(1) 4M x 64	None	None
32MB	(1) 2M x 64	(1) 1M x 64	(1) 1M x 64
32MB	(1) 2M x 64	(1) 2M x 64	None
40MB	(1) 4M x 64	(1) 1M x 64	None
40MB	(1) 2M x 64	(1) 2M x 64	(1) 1M x 64
48MB	(1) 4M x 64	(1) 1M x 64	(1) 1M x 64
64MB	(1) 8M x 64	None	None
64MB	(1) 4M x 64	(1) 2M x 64	(1) 2M x 64
64MB	(1) 4M x 64	(1) 4M x 64	None
72MB	(1) 8M x 64	(1) 1M x 64	None
72MB	(1) 4M x 64	(1) 4M x 64	(1) 1M x 64
80MB	(1) 8M x 64	(1) 1M x 64	(1) 1M x 64
80MB	(1) 8M x 64	(1) 2M x 64	None

80MB	(1) 4M x 64	(1) 4M x 64	(1) 2M x 64
88MB	(1) 8M x 64	(1) 2M x 64	(1) 1M x 64
96MB	(1) 8M x 64	(1) 2M x 64	(1) 2M x 64
96MB	(1) 8M x 64	(1) 4M x 64	None
128MB	(1) 16M x 64	None	None
128MB	(1) 8M x 64	(1) 4M x 64	(1) 4M x 64
128MB	(1) 8M x 64	(1) 8M x 64	None
136MB	(1) 16M x 64	(1) 1M x 64	None
136MB	(1) 8M x 64	(1) 8M x 64	(1) 1M x 64
168MB	(1) 16M x 64	(1) 4M x 64	(1) 1M x 64
176MB	(1) 16M x 64	(1) 4M x 64	(1) 2M x 64
192MB	(1) 16M x 64	(1) 4M x 64	(1) 4M x 64
192MB	(1) 16M x 64	(1) 8M x 64	None
192MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64
256MB	(1) 32M x 64	None	None
256MB	(1) 16M x 64	(1) 8M x 64	(1) 8M x 64
272MB	(1) 32M x 64	(1) 2M x 64	None
288MB	(1) 32M x 64	(1) 2M x 64	(1) 2M x 64
288MB	(1) 32M x 64	(1) 4M x 64	None
320MB	(1) 32M x 64	(1) 4M x 64	(1) 4M x 64
320MB	(1) 32M x 64	(1) 8M x 64	None

DIMM CONFIGURATION

Size	Bank 0	Bank 1	Bank 2
384MB	(1) 32M x 64	(1) 8M x 64	(1) 8M x 64
384MB	(1) 32M x 64	(1) 16M x 64	None
384MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64

512MB	(1) 32M x 64	(1) 16M x 64	(1) 16M x 64
512MB	(1) 32M x 64	(1) 32M x 64	None
768MB	(1) 32M x 64	(1) 32M x 64	(1) 32M x 64
Note: Board accepts SDRAM memory.			

CACHE CONFIGURATION
Note: 512KB cache is located on the Pentium II CPU.

CPU VOLTAGE SELECTION					
Voltage	W1/pins 1 & 2	W1/pins 3 & 4	W1/pins 5 & 6	W1/pins 7 & 8	W1/pins 9 & 10
1.6v	Closed	Open	Closed	Open	Closed
1.7v	Closed	Closed	Closed	Open	Closed

SERIAL PORT 2 SELECTION		
Setting	W14	W15
» Termination resistors disabled	Open	Open
Termination resistors enabled	Closed	Closed

SCSI TERMINATION SELECTION	
Setting	W2
Controlled by software	Pins 1 & 2 closed
» Terminated	Pins 2 & 3 closed
No termination	Open

BATTERY SELECTION	
Setting	W13

»	Battery disabled	Open
	Battery type select internal	Pins 1 & 2 closed
	Battery type select external	Pins 2 & 3 closed

WATCHDOG TIMER SELECTION		
Setting		W7
	Dual stage	Pins 1 & 2 closed
»	Single stage	Pins 2 & 3 closed
	Disabled	Open

IOCHK SIGNAL SELECTION		
Setting		W12
	Power fail output	Pins 1 & 2 closed
	Watchdog output	Pins 2 & 3 closed
»	Disabled	Open

PANEL LINK LATCH SELECTION		
Setting		W11
»	Latch on falling edge of control & data signals	Pins 1 & 2, 3 & 4 closed
	Latch on rising edge of control & data signals	Open