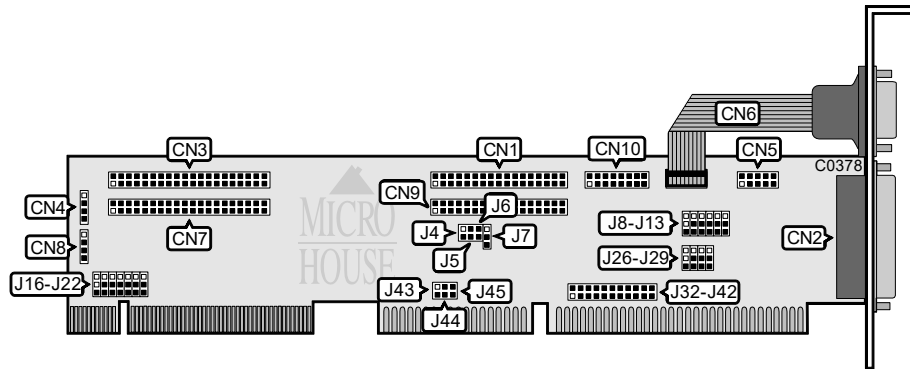# TYAN COMPUTER CORPORATION
S1342 (REV. 2)

Q1/94

Data bus: 32-bit, VL-bus
Size: Three/quarter-length, half-height card
Hard drive supported: Four IDE (AT) Interface drives
Floppy drives supported: Four 360KB, 720KB, 1.2MB, or 1.44MB drives

CONNECTIONS	
Function	Location
34-pin control cable connector - floppy drive 1	CN1
25-pin parallel port (LPT1/2) - external	CN2
40-pin IDE(AT) Interface connector (IDE-0)	CN3
4-pin connector - Drive active LED (IDE-0)	CN4
10-pin serial port (COM2/4) - internal	CN5
10-pin serial port (COM1/3) - external	CN6
40-pin IDE(AT) Interface connector (IDE-1)	CN7
4-pin connector - Drive active LED (IDE-1)	CN8
34-pin control cable connector - floppy drive 2	CN9
15-pin game port - internal	CN10

USER CONFIGURABLE SETTINGS		
Function	Location	Setting
í I/O Channel Ready signal disabled	J7	open
I/O Channel Ready signal enabled	J7	closed
í Floppy drive enabled	J8	pins 2 & 3 closed
Floppy drive disabled	J8	pins 1 & 2 closed
í Hard drive enabled	J15	pins 2 & 3 closed
Hard drive disabled	J15	pins 1 & 2 closed
í Floppy drive compatible mode	J16	pins 2 & 3 closed
Floppy drive enhanced mode	J16	pins 1 & 2 closed

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USER CONFIGURABLE SETTINGS		
Function	Location	Setting
í Floppy drive port address is 3F0-3F7h	J26	pins 2 & 3 closed
Floppy drive port address is 370-377h	J26	pins 1 & 2 closed
í Game Port enabled	J37	closed
Game Port disabled	J37	open

FLOPPY DRIVE CONFIGURATION			
Function	Jumper J4	Jumper J5	Jumper J6
í Four floppy-drives disable	open	open	open
Four floppy drives enabled	closed	closed	closed
Note: Four floppy drive support is mutually exclusive with the parallel port special features.			

PARALLEL PORT (CN2) CONFIGURATION		
LPT	Jumper J9	Jumper J27
í LPT1	pins 2 & 3 closed	pins 2 & 3 closed
LPT2	pins 2 & 3 closed	pins 1 & 2 closed
LPT3	pins 1 & 2 closed	pins 1 & 2 closed
Disabled	pins 1 & 2 closed	pins 2 & 3 closed

SERIAL PORT 1 (CN6) CONFIGURATION		
COM	Jumper J10	Jumper J11
í COM1	pins 2 & 3 closed	pins 2 & 3 closed
COM2	pins 2 & 3 closed	pins 1 & 2 closed
COM3	pins 1 & 2 closed	pins 2 & 3 closed
Disabled	pins 1 & 2 closed	pins 1 & 2 closed

SERIAL PORT 2 (CN5) CONFIGURATION		
COM	Jumper J12	Jumper J13
COM1	pins 2 & 3 closed	pins 1 & 2 closed
í COM2	pins 2 & 3 closed	pins 2 & 3 closed
COM4	pins 1 & 2 closed	pins 2 & 3 closed
Disabled	pins 1 & 2 closed	pins 1 & 2 closed

HARD DRIVE PORT ADDRESS		
Function	Jumper J18	Jumper J19
IDE-0 & IDE-1 enable	pins 1 & 2 closed	pins 2 & 3 closed
IDE-0 address is 1F7h	pins 2 & 3 closed	pins 2 & 3 closed
IDE-0 address is 170h	pins 2 & 3 closed	pins 1 & 2 closed

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IDE-0 WAIT STATE			
Speed	Jumper J20	Jumper J21	Jumper J22
VL Bus speed <33MHz	Pins 1 & 2 closed	Pins 2 & 3 closed	Pins 1 & 2 closed
VL Bus speed >33MHz	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 2 & 3 closed
í Any VL Bus speed	Pins 2 & 3 closed	Pins 2 & 3 closed	Pins 2 & 3 closed

PARALLEL PORT (CN2) FEATURES CONFIGURATION		
Function	Jumper J28	Jumper J29
Enhanced Parallel Port (EPP) & LPT enabled	pins 1 & 2 closed	pins 2 & 3 closed
Extended Capacity Port (ECP) enabled	pins 2 & 3 closed	pins 1 & 2 closed
ECP & EPP enabled	pins 1 & 2 closed	pins 1 & 2 closed
í ECP & EPP disabled, LPT enabled	pins 2 & 3 closed	pins 2 & 3 closed
Note: These features are mutually exclusive with four floppy drive support		

SERIAL PORT 2 (CN5) INTERRUPT REQUEST			
IRQ	Jumper J32	Jumper J33	Jumper J34
í IRQ3	n/a	closed	n/a
IRQ4	n/a	top (pin 1) of J33 & top (pin 1) of J34 closed	
IRQ5	top (pin 1) of J32 & top (pin 1) of J33 closed		n/a
Disabled	n/a	open	n/a

SERIAL PORT 1 (CN6) INTERRUPT REQUEST			
IRQ	Jumper J33	Jumper J34	Jumper J35
í IRQ4	n/a	closed	n/a
IRQ5	n/a	bottom (pin 2) of J34 & bottom (pin 2) of J35 closed	
IRQ3	bottom (pin 2) of J33 & bottom (pin 2) of J34 closed		n/a
Disabled	n/a	open	n/a

PARALLEL PORT (CN2) INTERRUPT REQUEST		
IRQ	Jumper J35	Jumper J36
í Parallel port interrupt is IRQ7	open	closed
Parallel port interrupt is IRQ5	closed	open
Disabled	open	open

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EHNANCED CAPABILITY PORT (CN2) DMA CONFIGURATIOI					
ECP DMA	Jumper J38	Jumper J39	Jumper J40	Jumper J41	Jumper J42
1	closed	closed	closed	open	open
3	closed	open	open	closed	closed
í Disabled	open	open	open	open	open

BIOS ADDRESS			
Address	Jumper J43	Jumper J44	Jumper J45
C8000h	closed	open	open
D0000h	open	closed	open
D8000h	open	open	closed
í Disabled	open	open	open