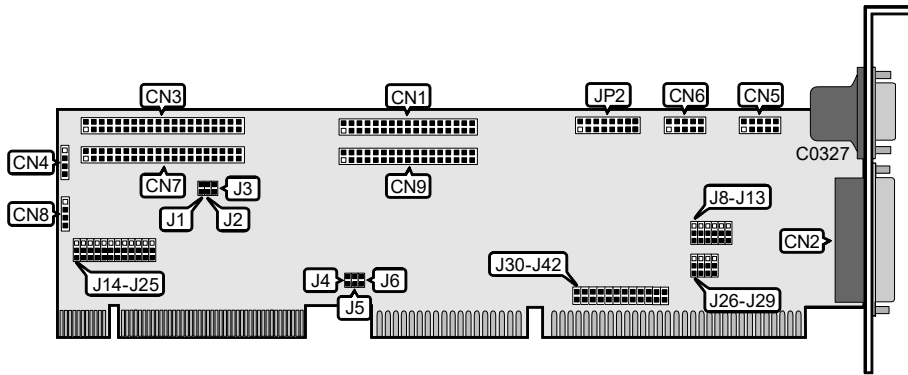# TYAN COMPUTER CORPORATION
S1342

Q4/93

Data bus: 32-bit, VL-Bus
Size: Half-length, half-height card
Hard drive supported: Two IDE (AT) Interface drives
Floppy drives supported: Two 360KB, 720KB, 1.2MB, 1.44MB or 2.88MB drives

CONNECTIONS	
Function	Location
34-pin control cable connector-floppy drive-1	CN1
25-pin parallel port (LPT1/2) - external	CN2
40-pin AT Interface (IDE) connector - IDE-1	CN3
4-pin connector-Drive active LED for IDE-2	CN4
10-pin serial port (COM2/4) - internal	CN5
10-pin serial port (COM1/3) - internal	CN6
40-pin AT Interface (IDE) connector - IDE-2	CN7
4-pin connector-Drive active LED for IDE-2	CN8
34-pin control cable connector-floppy drive-2	CN9X
15-pin game port - internal	JP2

HARD DRIVE INTERRUPT			
IDE-1	IDE-2	Jumper J2	Jumper J3
Disabled	Disabled	open	open
í IRQ14	Disabled	open	closed
Disabled	IRQ15	closed	open
IRQ14	IRQ15	closed	closed

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FLOPPY DRIVE PORT ADDRESS			
IDE-1	**IDE-2**	**Jumper J2**	**Jumper J3**
Disabled	Disabled	open	open
í IRQ14	Disabled	open	closed
Disabled	IRQ15	closed	open
IRQ14	IRQ15	closed	closed

WAIT STATE FOR IDE-1			
Speed	J20	J21	J22
16MHz VL Bus Clock	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
20 or 25MHz VL Bus Clock	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 2 & 3 closed
25 or 33MHz VL Bus Clock	Pins 1 & 2 closed	Pins 2 & 3 closed	Pins 1 & 2 closed
33MHz VL Bus Clock	Pins 1 & 2 closed	Pins 2 & 3 closed	Pins 2 & 3 closed
40MHz VL Bus Clock	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
50MHz VL Bus Clock	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 2 & 3 closed
50MHz VL Bus Clock	Pins 2 & 3 closed	Pins 2 & 3 closed	Pins 1 & 2 closed
í 50MHz VL Bus Clock	Pins 2 & 3 closed	Pins 2 & 3 closed	Pins 2 & 3 closed

WAIT STATE FOR IDE-2			
Speed	J23	J24	J25
16MHz VL Bus Clock	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
20 or 25MHz VL Bus Clock	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 2 & 3 closed
25 or 33MHz VL Bus Clock	Pins 1 & 2 closed	Pins 2 & 3 closed	Pins 1 & 2 closed
33MHz VL Bus Clock	Pins 1 & 2 closed	Pins 2 & 3 closed	Pins 2 & 3 closed
40MHz VL Bus Clock	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
50MHz VL Bus Clock	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 2 & 3 closed
50MHz VL Bus Clock	Pins 2 & 3 closed	Pins 2 & 3 closed	Pins 1 & 2 closed
í 50MHz VL Bus Clock	Pins 2 & 3 closed	Pins 2 & 3 closed	Pins 2 & 3 closed

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USER CONFIGURABLE SETTINGS		
Function	Location	Setting
í I/O Channel Ready signal disabled	J1	open
I/O Channel Ready signal enabled	J1	closed
í Floppy drive compatilble mode enabled	J7	Pins 2 & 3 closed
Floppy drive enhanced mode 2 enabled	J7	Pins 1 & 2 closed
í Uses VL Ready	J14	Pins 2 & 3 closed
Use CPU Ready	J14	Pins 1 & 2 closed
í Hard drive enabled	J15	Pins 2 & 3 closed
Hard drive disabled	J15	Pins 1 & 2 closed
í Floppy drive enabled	J4, J5, & J6	Pins 2 & 3 closed
Floppy drive disabled	J4, J5, & J6	Pins 1 & 2 closed
í Floppy drive port address is 3F0-3F7h	J9	Pins 2 & 3 closed
Floppy drive port address is 370-377h	J9	Pins 1 & 2 closed
í Hard drive interrupt is IRQ14	J17	closed
Hard drive interrupt is disabled	J17	open
í Serial Port 2 interrupt is IRQ3	J18	closed
Serial Port 2 interrupt is disabled	J18	open
í Serial Port 1 interrupt is IRQ4	J19	closed
Serial Port 1 interrupt is disabled	J19	open
í Floppy drive interrupt is IRQ6	J35	closed
Floppy drive interrupt is disabled	J35	open
í Game Port enabled	J42	closed
Game Port disabled	J42	open

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

PARALLEL PORT INTERRUPT REQUEST		
IRQ	Jumper J34	Jumepr J36
í Parallel port interrupt is IRQ7	open	closed
Parallel port interrupt is IRQ5	closed	open

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

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