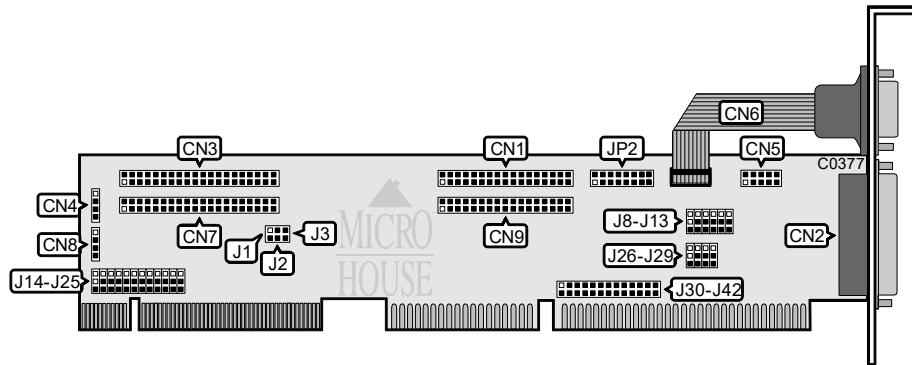# TYAN COMPUTER CORPORATION
S1344

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 (LPT1/2/3) - external	CN2
40-pin IDE(AT) Interface (IDE-0)	CN3
4-pin connector - Drive active (IDE-0)	CN4
10-pin serial port (COM1/2/4) - internal	CN5
10-pin serial port (COM1/2/3) - external	CN6
40-pin IDE(AT) Interface (IDE-1)	CN7
4-pin connector - Drive active (IDE-1)	CN8
34-pin control cable connector - floppy drive 2	CN9
15-pin game port - internal	JP2

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 compatible mode	J7	pins 2 & 3 closed
Floppy drive enhanced mode	J7	pins 1 & 2 closed
í Floppy drive enabled	J8	pins 2 & 3 closed
Floppy drive disabled	J8	pins 1 & 2 closed
í Uses VL Ready	J14	pins 2 & 3 closed
Use CPU Ready	J14	pins 1 & 2 closed

Continued on next page . . .

TYAN COMPUTER CORPORATION
S1344

USER CONFIGURABLE SETTINGS		
Function	Location	Setting
í Hard drive enabled	J15	pins 2 & 3 closed
Hard drive disabled	J15	pins 1 & 2 closed
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 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

HARD DRIVE INTERRUPT REQUEST		
Function	J2	J3
í IRQ14 for IDE-0 (CN3)	open	closed
IRQ15 for IDE-1 (CN7)	closed	open
IRQ14 for IDE-0, IRQ 15 for IDE-1	closed	closed
IDE Interrupt disabled	open	open

PARALLEL PORT (CN2) CONFIGURATION		
LPT	J9	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	J10	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

TYAN COMPUTER CORPORATION
S1344

. . . continued from previous page

SERIAL PORT 2 (CN5) CONFIGURATION		
COM	J12	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 ADDRESS			
IDE 0 Address	IDE 1 Address	J18	J19
1F0-1F7h	1F0-1F7h	pins 1 & 2 closed	pins 1 & 2 closed
1F0-1F7h	170-177h	pins 1 & 2 closed	pins 2 & 3 closed
170-177h	disabled	pins 2 & 3 closed	pins 1 & 2 closed
í 1F0-1F7h	disabled	pins 2 & 3 closed	pins 2 & 3 closed

IDE 0 (CN3) WAIT STATE			
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

IDE 1 (CN7) WAIT STATE			
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

Continued on next page . . .

TYAN COMPUTER CORPORATION
S1344

SERIAL PORT 2 (CN5) INTERRUPT REQUEST			
IRQ	J30	J31	J32
í 3	open	closed	open
4	open	bottom (pin 2) of J31 & bottom (pin2) of J32 closed	
5	closed	open	open

SERIAL PORT 1 (CN6) INTERRUPT REQUEST			
IRQ	J31	J32	J33
í 4	open	closed	open
5	open	open	closed
3	top (pin 1) of J31 & top (pin 1) of J32 closed		open

PARALLEL PORT (CN2) INTERRUPT REQUEST		
IRQ	J34	J36
í Parallel port interrupt is IRQ7	open	closed
Parallel port interrupt is IRQ5	closed	open

MISCELLANEOUS TECHNICAL NOTES
J16, J17, J28, J29, J37, J38, J39, J40, and J41 are reserved with all pins open - do not alter.

Fax: (303) 443-3323. BBS: (303) 443-9957. Fax on Request Service: (303) 440-6408.