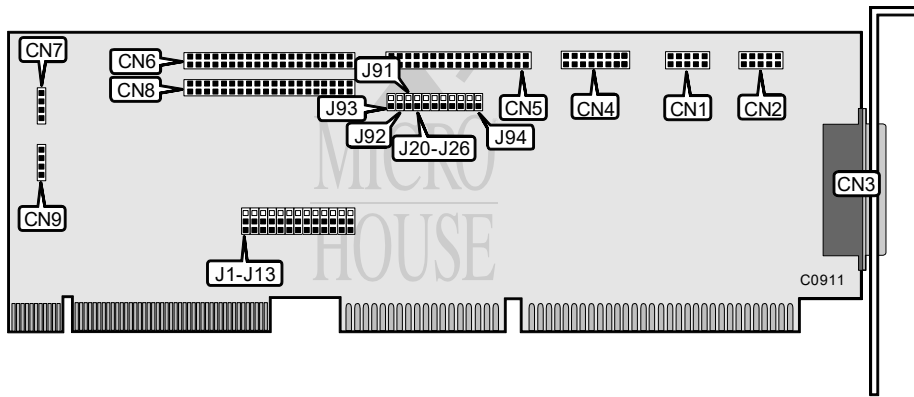


# TYAN COMPUTER CORPORATION S1345 (REV 1.8)

Q2/96

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



CONNECTIONS	
Function	Location
10-pin serial port 1 - internal	CN1
10-pin serial port 2 - internal	CN2
25-pin parallel port - external	CN3
16-pin game port	CN4
34-pin cable connector - floppy drive	CN5
40-pin primary IDE(AT) connector	CN6
4-pin connector - primary drive active LED	CN7
40-pin secondary IDE(AT) connector	CN8
4-pin connector - secondary drive active LED	CN9

USER CONFIGURABLE SETTINGS		
Function	Location	Setting
IDE(AT) interface enabled	J1	pins 1 & 2 closed
IDE(AT) interface disabled	J1	pins 2 & 3 closed
Floppy drive order is normal (A:, B:)	J11	pins 1 & 2 closed
Floppy drive order is reversed (B:, A:)	J11	pins 2 & 3 closed
Floppy drive interface enabled	J12	pins 1 & 2 closed
Floppy drive interface disabled	J12	pins 2 & 3 closed
Factory configured - do not alter	J13	N/A
IOCHRDY signal for primary IDE disabled	J20	open
IOCHRDY signal for primary IDE enabled	J20	closed

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USER CONFIGURABLE SETTINGS CONTINUED		
Function	Location	Setting
í Parallel port is uni-directional	J25	closed
Parallel port is bi-directional	J25	open
í Game port enabled	J26	open
Game port disabled	J26	closed
í Factory configured - do not alter	J91	N/A
í Factory configured - do not alter	J92	N/A
í Factory configured - do not alter	J93	N/A
í Factory configured - do not alter	J94	N/A

PRIMARY IDE WAIT STATE SELECTION			
Clock Speeds	J2	J3	J4
í All speeds	pins 2 & 3 closed	pins 2 & 3 closed	pins 2 & 3 closed
<= 33 MHz	pins 2 & 2 closed	pins 2 & 3 closed	pins 1 & 2 closed
>= 33 MHz	pins 2 & 3 closed	pins 1 & 2 closed	pins 2 & 3 closed

PARALLEL PORT ADDRESS SELECTION		
LPT	J5	J6
í LPT1 (378h)	pins 2 & 3 closed	pins 2 & 3 closed
LPT2 (278h)	pins 1 & 2 closed	pins 1 & 2 closed
LPT3 (3BCh)	pins 1 & 2 closed	pins 2 & 3 closed
Disabled	pins 2 & 3 closed	pins 1 & 2 closed

SERIAL PORT 1 ADDRESS SELECTION		
COM	J7	J8
í COM1 (3F8h)	pins 2 & 3 closed	pins 2 & 3 closed
COM3 (3E8h)	pins 1 & 2 closed	pins 1 & 2 closed
COM4 (2E8h)	pins 2 & 3 closed	pins 1 & 2 closed
Disabled	pins 1 & 2 closed	pins 2 & 3 closed

SERIAL PORT 2 ADDRESS SELECTION		
COM	J9	J10
í COM2 (2F8h)	pins 2 & 3 closed	pins 2 & 3 closed
COM3 (3E8h)	pins 2 & 3 closed	pins 1 & 2 closed
COM4 (2E8h)	pins 1 & 2 closed	pins 1 & 2 closed
Disabled	pins 1 & 2 closed	pins 2 & 3 closed

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SERIAL PORT INTERRUPT SELECTION				
Serial Port 1 IRQ	Serial Port 2 IRQ	J21	J22	J23
í IRQ4	IRQ3	closed	closed	open
IRQ4	no IRQ3	open	closed	open
no IRQ4	IRQ3	closed	open	open
IRQ3	IRQ4	J21 pin 1 to J22 pin 1 J21 pin 2 to J22 pin 2		open
IRQ3	no IRQ4	J21 pin 1 to J22 pin 1 only		open
no IRQ3	IRQ4	J21 pin 2 to J22 pin 2 only		open
IRQ5	IRQ3	closed	J22 pin 2 to J23 pin 2	
IRQ5	no IRQ3	open	J22 pin 2 to J23 pin 2	
Note: When no interrupt is selected for serial port 2, open jumper J21. When no interrupt is selected for serial port 1, open jumper J22.				

PARALLEL PORT INTERRUPT SELECTION		
IRQ	J23	J24
í IRQ7	open	closed
IRQ5	closed	open
no IRQ	open	open

MISCELLANEOUS NOTES
Jumper J23 appears in more than one table because it serves multiple functions.