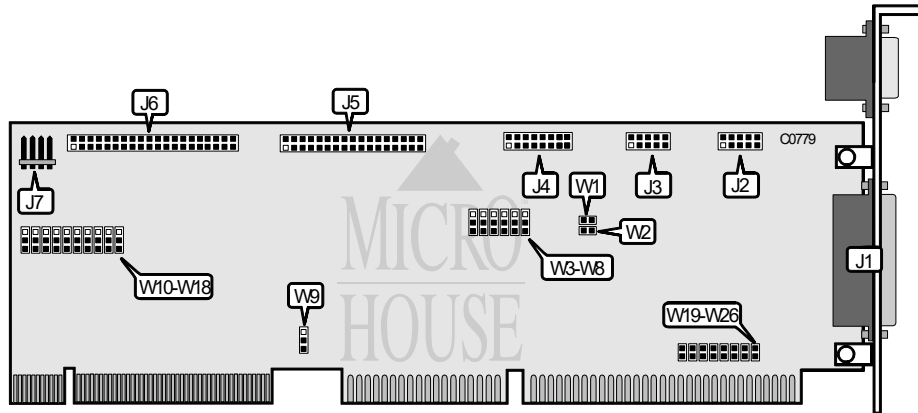


DATA TECHNOLOGY CORPORATION
DTC2278VL (900085-89A)

Q3/95

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



CONNECTIONS	
Function	Location
25-pin parallel port	J1
10-pin serial port 2	J2
10-pin serial port 1	J3
16-pin game port	J4
34-pin cable connector - floppy drive	J5
40-pin connector - IDE(AT) interface	J6
4-pin connector - drive active LED	J7

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USER CONFIGURABLE SETTINGS		
Function	Location	Setting
í Game port enabled	W1	closed
Game port disabled	W1	open
í Parallel port is uni-directional	W2	closed
Parallel port is bi-directional	W2	open
í IDE(AT) interface interrupt IRQ14 select	W9	pins 1 & 2 closed
IDE(AT) interface interrupt IRQ15 select	W9	pins 2 & 3 closed
í Floppy drive interface enabled	W10	pins 2 & 3 closed
Floppy drive interface disabled	W10	pins 1 & 2 closed
í Floppy drive interface address 3F0-3F7h select	W11	pins 1 & 2 closed
Floppy drive interface address 370-377h select	W11	pins 2 & 3 closed
í IDE(AT) interface address 1F0-1F7, 3F6-3F7h select	W12	pins 1 & 2 closed
IDE(AT) interface address 170-177, 376-377h select	W12	pins 2 & 3 closed
í IDE(AT) interface enabled	W13	pins 2 & 3 closed
IDE(AT) interface disabled	W13	pins 1 & 2 closed

PRIMARY SERIAL PORT ADDRESS SELECTION		
COM	W7	W8
í COM1 (3F8h)	pins 1 & 2 closed	pins 2 & 3 closed
COM3 (3E8h)	pins 2 & 3 closed	pins 1 & 2 closed
COM4 (2E8h)	pins 2 & 3 closed	pins 2 & 3 closed
Disabled	pins 1 & 2 closed	pins 1 & 2 closed

SECONDARY SERIAL PORT ADDRESS SELECTION		
COM	W5	W6
í COM2 (2F8h)	pins 1 & 2 closed	pins 2 & 3 closed
COM3 (3E8h)	pins 2 & 3 closed	pins 2 & 3 closed
COM4 (2E8h)	pins 2 & 3 closed	pins 1 & 2 closed
Disabled	pins 1 & 2 closed	pins 1 & 2 closed

PARALLEL PORT ADDRESS SELECTION		
LPT	W3	W4
í LPT1 (378h)	pins 1 & 2 closed	pins 2 & 3 closed
LPT2 (278h)	pins 2 & 3 closed	pins 1 & 2 closed
LPT3 (3BCh)	pins 2 & 3 closed	pins 2 & 3 closed
Disabled	pins 1 & 2 closed	pins 1 & 2 closed

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IDE DATA TRANSFER RATE (FOR >33Mhz VL-BUS SYSTEMS)					
Rate (MBps)	W14	W15	W16	W17	W18
3.3	pins 1 & 2	pins 2 & 3	pins 1 & 2	pins 2 & 3	pins 2 & 3
3.6	pins 2 & 3	pins 1 & 2	pins 1 & 2	pins 2 & 3	pins 2 & 3
3.8	pins 1 & 2	pins 1 & 2	pins 1 & 2	pins 2 & 3	pins 2 & 3
4.2	pins 2 & 3	pins 2 & 3	pins 2 & 3	pins 1 & 2	pins 2 & 3
4.5	pins 1 & 2	pins 2 & 3	pins 2 & 3	pins 1 & 2	pins 2 & 3
5.0	pins 2 & 3	pins 1 & 2	pins 2 & 3	pins 1 & 2	pins 2 & 3
5.6	pins 1 & 2	pins 1 & 2	pins 2 & 3	pins 1 & 2	pins 2 & 3
6.3	pins 2 & 3	pins 2 & 3	pins 1 & 2	pins 1 & 2	pins 2 & 3
7.2	pins 1 & 2	pins 1 & 2	pins 1 & 2	pins 1 & 2	pins 2 & 3

Note: Pins designated are in the closed position. If the transfer rate of the drive you are using in your system does not exactly match one of the rates listed above, select the rate which is closest to but below the actual rate of the drive.

IDE DATA TRANSFER RATE (FOR ≤33Mhz VL-BUS SYSTEMS)					
Rate (MBps)	W14	W15	W16	W17	W18
3.3	pins 2 & 3	pins 2 & 3	pins 1 & 2	pins 2 & 3	pins 1 & 2
3.5	pins 1 & 2	pins 2 & 3	pins 2 & 3	pins 2 & 3	pins 1 & 2
3.7	pins 2 & 3	pins 1 & 2	pins 2 & 3	pins 2 & 3	pins 1 & 2
4.2	pins 1 & 2	pins 2 & 3	pins 1 & 2	pins 2 & 3	pins 1 & 2
4.4	pins 2 & 3	pins 1 & 2	pins 1 & 2	pins 2 & 3	pins 1 & 2
4.8	pins 1 & 2	pins 1 & 2	pins 1 & 2	pins 2 & 3	pins 1 & 2
5.1	pins 2 & 3	pins 2 & 3	pins 2 & 3	pins 1 & 2	pins 1 & 2
5.6	pins 1 & 2	pins 2 & 3	pins 2 & 3	pins 1 & 2	pins 1 & 2
6.1	pins 2 & 3	pins 1 & 2	pins 2 & 3	pins 1 & 2	pins 1 & 2
6.7	pins 1 & 2	pins 1 & 2	pins 2 & 3	pins 1 & 2	pins 1 & 2
7.4	pins 2 & 3	pins 2 & 3	pins 1 & 2	pins 1 & 2	pins 1 & 2
8.3	pins 1 & 2	pins 1 & 2	pins 1 & 2	pins 1 & 2	pins 1 & 2

Note: Pins designated are in the closed position. If the transfer rate of the drive you are using in your system does not exactly match one of the rates listed above, select the rate which is closest to but below the actual rate of the drive.

PRIMARY SERIAL PORT INTERRUPT SELECTION			
IRQ	W19	W20	W21
IRQ4	closed	open	open
IRQ3	open	closed	open
IRQ5	open	open	closed

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SECONDARY SERIAL PORT INTERRUPT SELECTION			
IRQ	W22	W23	W24
í IRQ3	closed	open	open
IRQ4	open	closed	open
IRQ5	open	open	closed

PARALLEL PORT INERRUPT SELECTION		
IRQ	W25	W26
í IRQ7	closed	open
IRQ5	open	closed