

DTC 2280E ISA-Bus to IDE and Super I/O Controller

(W/ 16550 UARTS, ECP, & EPP)

Part Number 400521-89A

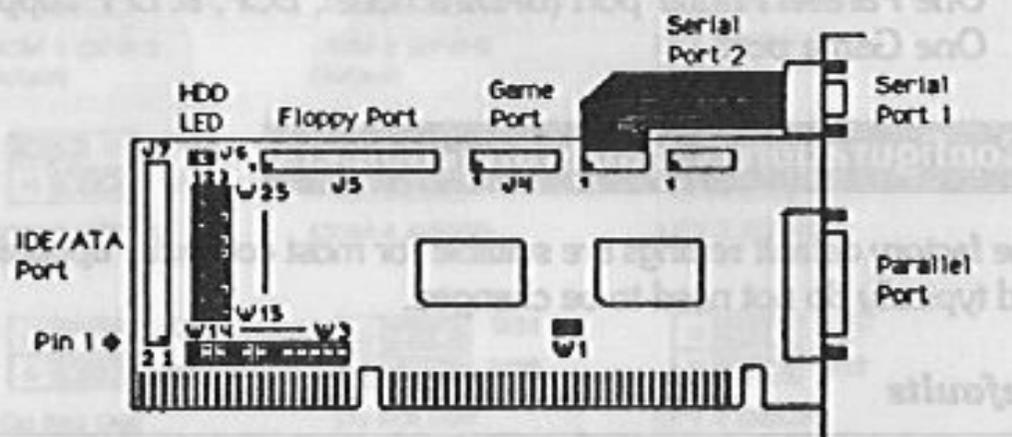


Figure 1 Diagram of the DTC 2280E Host Adapter

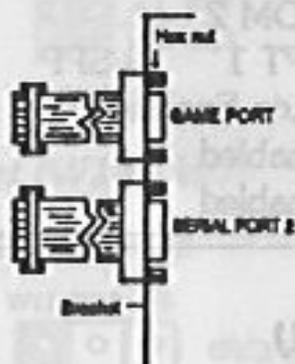
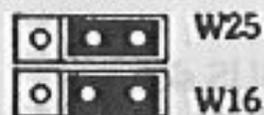


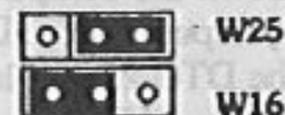
Figure 2 Diagram of Serial Port 2 and Game Port Bracket

Parallel Port I/O Select (W25 & W16)

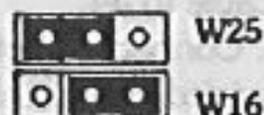
These jumpers select the Parallel port mode. The default is Standard Bi-directional Printer Mode. It is recommended that the other two modes not be selected, unless you have attached a hardware device to the port that requires one of the other modes.



Printer Mode
(Default)



EPP Mode
Enhanced Parallel Port



ECP/EPP Mode
Enhanced Parallel Port
Extended Capabilities Port

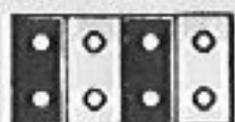


Do Not Use

Extended Capabilities Port (ECP) DMA Channel (W6-W3)

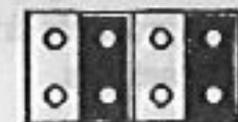
Selection of a DMA channel is required when using the Extended Capabilities Port (ECP).

W6 thru W3



DMA
Channel 3

W6 thru W3



DMA
Channel 1

Features

- ISA Bus to IDE interface adapter
- IDE Hard Disk (Enable, Disable, Primary, or Secondary)
- IDE Interrupt (IRQ14/IRQ15)
- DTC 2280E Supports Two (2) IDE/ATA devices:
 - IDE, EIDE or FAST ATA Hard Disk Drives
 - IDE Tape drives
 - IDE CDROM drives (ATAPI Compatible)
- Support for two 3 1/2" 720K/1.44M or 5 1/4" 360K/1.2M floppy disk drives
- Two Enhanced Serial ports (NS16550 compatible)
- One Parallel Printer port (Bi-Directional, ECP, & EPP support)
- One Game port

Configuration & Hardware Jumpers

The factory default settings are suitable for most computer applications and typically do not need to be changed.

Defaults

Serial Port 1:	COM 1	3F8H	IRQ 4
Serial Port 2:	COM 2	2F8H	IRQ 3
Parallel Port:	LPT 1	SPP	378H IRQ 7
Floppy Port:	Auto	Enabled	
IDE Port:	Enabled	1F0H	IRQ14
Game Port:	Enabled		

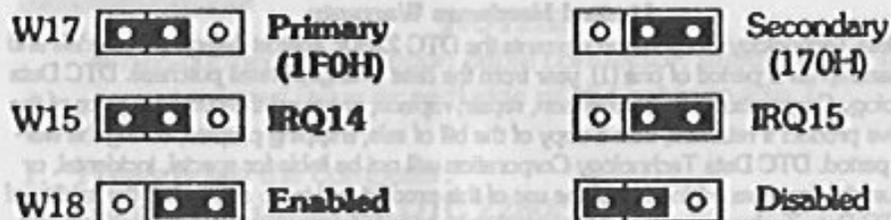
Game Port Enable (W1)

 Enable (Default)  Disable

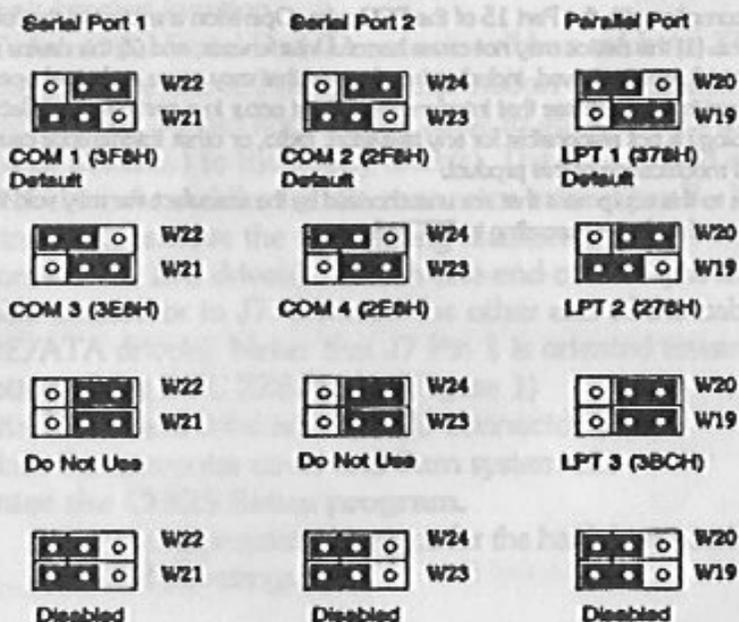
Floppy Controller Enable/Disable

The Floppy Control circuit is AUTO Enabled when a floppy disk drive is attached to the Floppy connector (J5). If a Floppy disk drive is NOT attached, the Floppy Controller is Disabled.

IDE Port Setup (W18-W17 & W15)



IO Port Address (W24 - W19)



I/O Port Interrupt Select (W14 - W7)

