

Data Technology Corporation

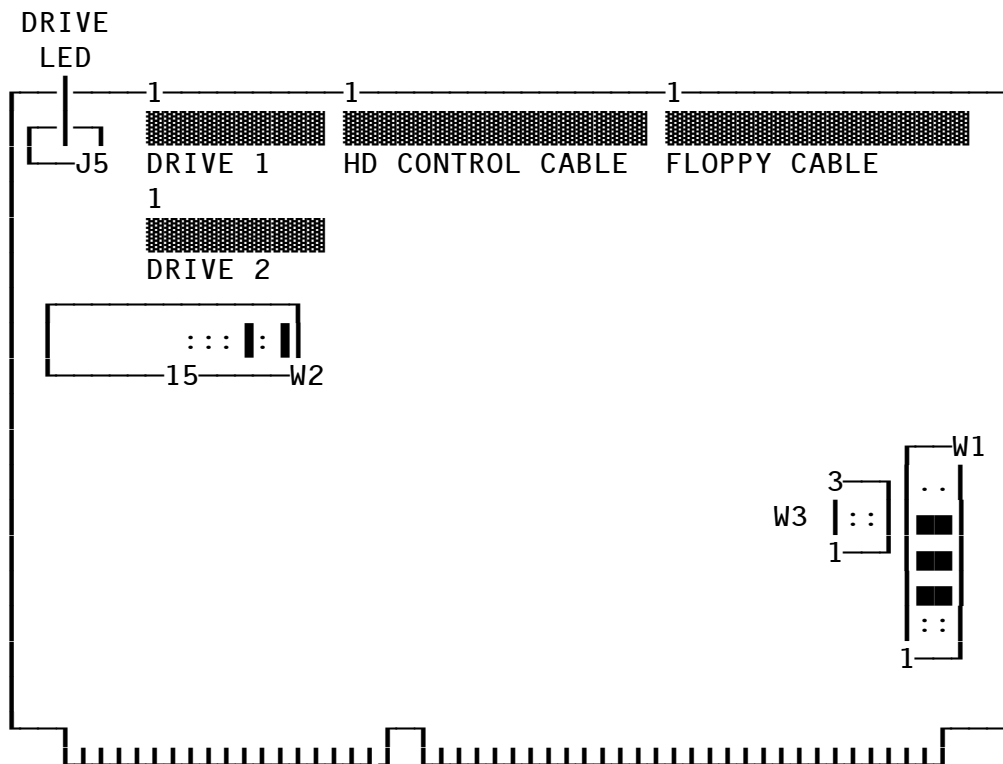
DTC 6282-24 ESDI Controller

supports up to two up to 24MHz ESDI hard disks
supports up to four floppy disk drives
supports 63-sector translation mode and head-mapping mode.

DTC 6282-15Z ESDI Controller

supports up to two up to 15MHz ESDI hard disks
supports up to four floppy disk drives
no BIOS EPROM, supports 63-sector translation mode with user definable drive type

Board Layout



Board Layout Showing Default Jumper Settings

| Connectors | |
|------------|--------------------------|
| C1 | floppy drive cable |
| C2 | hard drive control cable |
| C3 | data cable hard drive 1 |
| C4 | data cable hard drive 2 |
| J4 | drive LED cable |

Jumper Settings

| | W1,1-2 | W1,3-4 | |
|--|--------|--------|---------|
| BIOS memory starting address C800 primary controller | open | open | default |
| BIOS memory starting address D000 primary controller | open | closed | |
| BIOS memory starting address D800 secondary controller | closed | open | |
| BIOS memory starting address D400 secondary controller | closed | closed | |

| | W1,5-6 | |
|---------------|--------|---------|
| BIOS enabled | closed | default |
| BIOS disabled | open | |

| | W1,7-8 | |
|--|--------|---------|
| enable controller interrupt after reset | closed | default |
| disable controller interrupt after reset | open | |

| | W1,9-10 | |
|---|---------|---------|
| DS0, DS1, DS2 and DS3 are AT-type floppy disk drives. | closed | default |
| allow PS/2-type floppy disk drive on DS1. DS0, DS2 and DS3 have to be AT-type floppy disk drives. | open | |

| | W1,11-12 | |
|--|----------|---------|
| 2 floppy disk drives with twisted floppy-cable | open | default |
| 4 floppy disk drives with flat floppy-cable | closed | |

| | W2,15-16 | |
|--|----------|---------|
| normal IRQ delay | open | default |
| additional 40ms IRQ delay | closed | |
| Systems with Phoenix BIOS or running SCO UNIX 3.2.2 may need this setting. | | |

| | W2,17-18 | |
|----------------------------|----------|---------|
| floppy controller enabled | open | default |
| floppy controller disabled | closed | |

| | W2,19-20 | |
|------------------------|----------|---------|
| auto deselect disabled | open | default |
| auto deselect enabled | closed | |

| | W2,21-22 | |
|--|----------|---------|
| HDC and FDC IO addresses are 1F0-1F7 and 3F2-3F7 (primary) | closed | default |
| HDC and FDC IO addresses are 170-177 and 372-377 (secondary) | open | |

| | W2,23-24 | W2,25-26 | |
|---------------------------------------|----------|----------|---------|
| hard drive interrupt request is IRQ14 | open | closed | default |
| hard drive interrupt request is IRQ15 | closed | open | |

| | W3,1-2 | |
|--|--------|---------|
| floppy disk precompensation based on data rate | open | default |
| floppy disk precompensation set to 125ns | | |

| | W3,3-4 | |
|--|--------|---------|
| 300KB/sec data rate for single-speed floppy disk drives (360RPM) | open | default |
| 250KB/sec data rate for dual-speed floppy disk drives (360/300RPM) | closed | |