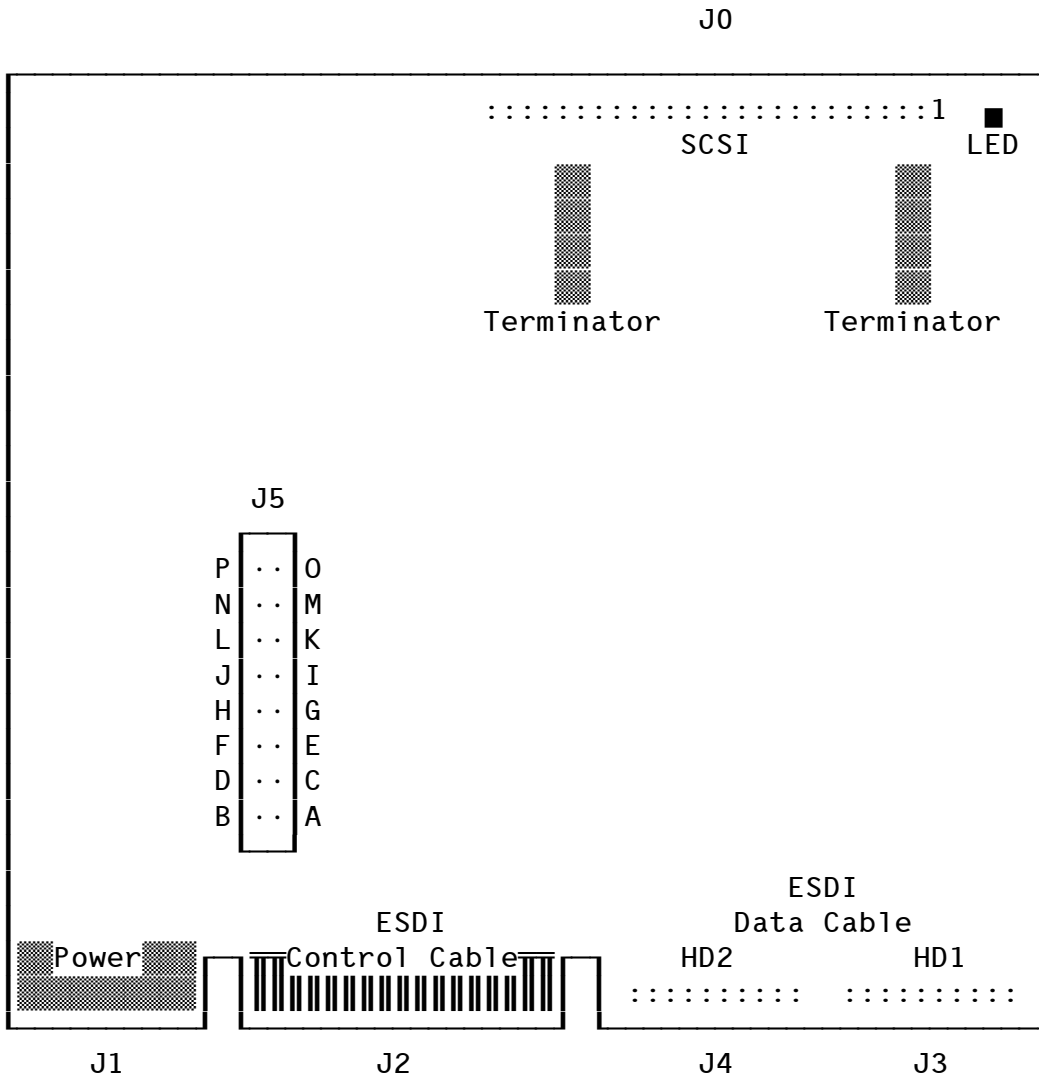# ADAPTEC ACB—4525S4000

- supports narrow SCSI bus
- supports up to two 10MHz ESDI hard drives, hard sectored with up to 36 sectors per track
- supports automatic drive media defect management

J0

```
:::::::::::::::::::::::::::::1    ■
                SCSI                LED

         Terminator        Terminator
```

```
J5

P · · O
N · · M
L · · K
J · · I
H · · G
F · · E
D · · C
B · · A
```

```
                                    ESDI
                                 Data Cable
         ESDI                HD2          HD1
  Power  Control Cable       :::::::::    :::::::::
   J1         J2             J4           J3
```

SCSI Bus Termination

Leave both terminators in place if the SCSI host adapter is connected to one end of the SCSI cable and the ACB—4525S4000 to the other end. Pull both terminators if the ACB—4525S4000 is connected between the SCSI host adapter and another SCSI device.

J5 Jumper Options

```
          │         IN          │ OUT          │ default
──────────┼─────────────────────┼──────────────┼──────────────
P ·· O  Diagnostic Mode             │ enabled          │ disabled     │ disabled
N ·· M  SCSI Parity Check           │ enabled          │ disabled     │ enabled
L ·· K  SCSI Unit Attention         │ disabled         │ enabled      │ enabled
J ·· I  Start Drive Motor           │ by SCSI command  │ at Power Up  │ at Power Up
H ·· G  ACB-5500/4000 compatibility │ enabled          │ disabled     │ disabled
F ·· E  SCSI Address
D ·· C  SCSI Address
B ·· A  SCSI Address
```

	IN	OUT	default
P ·· O Diagnostic Mode	enabled	disabled	disabled
N ·· M SCSI Parity Check	enabled	disabled	enabled
L ·· K SCSI Unit Attention	disabled	enabled	enabled
J ·· I Start Drive Motor	by SCSI command	at Power Up	at Power Up
H ·· G ACB-5500/4000 compatibility	enabled	disabled	disabled
F ·· E SCSI Address			
D ·· C SCSI Address			
B ·· A SCSI Address			

SCSI Address

Address	BA	DC	FE
0	OUT	OUT	OUT
1	IN	OUT	OUT
2	OUT	IN	OUT
3	IN	IN	OUT
4	OUT	OUT	IN
5	IN	OUT	IN
6	OUT	IN	IN
7	IN	IN	IN

Board Connectors

J0   50-pin SCSI connector

J1   4-pin power connector

J2   34-pin control cable connector hard drive

J3   20-pin data cable connector drive 1

J4   20-pin data cable connector drive 2

Setup

The SCSI host adapter hard disk format program initializes the ESDI hard drive with a low-level format.

In case of Adaptec SCSI host adapters, this process is done within the DOS operating system. At the DOS start up, a host adapter specific ASPI driver has to be loaded with the help of a config.sys entry. Then 'scsifmt.exe' from Adaptec initializes the drive.