



# Tech Info Library

## 400MB, 3.5-Inch, Half-High, SCSI Hard Disk Drive: Connectors

Article Created: 23 October 1991  
Article Last Reviewed: 14 May 1992  
Article Last Updated: 14 May 1992

### TOPIC -----

This article describes the connectors used in the 400MB SCSI hard disk drive.

### DISCUSSION -----

#### Power Connector

-----

The power for the drive is provided through a 4-pin male polarized connector. Pin 1 is the rightmost pin when viewing the connector with drive top cover up.

#### SCSI Connector

-----

The SCSI connector is a 50-pin, shrouded (4-sided), male, keyed, right-angle connector. Pin 1 is the rightmost pin of the upper row when viewing the connector with drive top cover up (key slot up).

#### Termination

-----

Removable termination resistor packs with standard SCSI 220/330 termination resistors. The packs are removable without having to remove the board. The drive provides termination power to the TERMPWR line (pin 26) of the SCSI bus through a diode and provides a 1.5 amp current-limiting function.

#### Device Select Connector

-----

The device select connector is a 6-pin male connector located behind the power connector along the drive side. Nominal pin spacing is 0.100 inches.

#### LED Connector

-----

The LED connector is a 2-pin, right-angle, un-shrouded, nonpolarized male header to connect with the LED cable assembly. Nominal pin spacing is

0.100 inches. It is located on the opposite end of the drive from the SCSI connector.

#### Connector J6

-----

Connector J6 is an 8-pin male connector located on the side of the drive away from the SCSI connector. Pin 1 is the bottom pin farthest from the SCSI connector end.

- Pin 1 - Not Jumpered (Factory use only)
- Pin 2 - Not Jumpered (Motor start option)
- Pin 3 - Not Jumpered (Delayed Motor start option)
- Pin 4 - Not Jumpered (Write-protect option)
- Pin 5 - Jumper Installed (Parity checking and error reporting)
- Pin 6 - Not Jumpered (Reserved for later use)
- Pin 7 - Jumpered in a Macintosh Quadra 900/950  
(Termination Power is supplied to the SCSI bus.)
- Pin 8 - Jumpered in a Macintosh Quadra 700  
(Termination is supplied to the drive terminators.)

#### Note

-----

Pins 7 and 8 jumpered at the same time is allowed.  
Copyright 1991, 1992, Apple Computer, Inc.

Keywords: <None>

=====

This information is from the Apple Technical Information Library.

19960215 11:05:19.00

Tech Info Library Article Number: 9302