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

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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.
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