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SCSI Terminator: Description of the connections inside

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This article describes the connections inside the SCSI terminator, Apple part number 590-0348.

Each of the pins listed below is connected straight through the connector (e.g., 1 to 1, 2 to 2, etc.). In addition, each of the signal pins is connected through a resistor network to terminator power.

An example follows:

Pin 26 (DB0) is connected to pin 26. It is also connected to pin 1 (DB0 GND, its corresponding ground) through a 330 ohm resistor and to a common line, which terminates in pin 38 (Terminator power), through a 220 ohm resistor. Similar connections occur for each signal pin.

Pin 38 (TERMPWR) is connected to the common line proceeding from the 220 ohm resistors. Pin 11 (DIFFSENS) is connected straight through only.

Here are the connections used in the SCSI terminator:

--Connect the following pins straight through to the same pin at the other end of the connector:

1 through 9, 11, 16, 18 through 34, 38, 41, 43 through 50

--Connect the first pin of each of the following pairs to a 330 ohm resistor, then to the second pin of the pair, then to a 220 ohm resistor, then to the terminator line.

1 -- 26
2 -- 27
3 -- 28
4 -- 29
5 -- 30

6 -- 31
7 -- 32
8 -- 33
9 -- 34
16 -- 41
18 -- 43
19 -- 44
20 -- 45
21 -- 46
22 -- 47
23 -- 48
24 -- 49
25 -- 50

--Connect pin 38 to the common terminator line.

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