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2.1 GB Hard Drive: Pin Configurations (11/94)

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TOPIC -----

What are the exact function of 22 pin as well as the 4 pin connectors located on the Seagate 2.1 GB hard drive?

DISCUSSION -----

Connector J4 consists of 11 sets of pins numbered 11 to 1 from bottom to top; they are arranged horizontally in this article for readability only. Pins are jumpered in a horizontal fashion.

The pin configuration and setup configuration are as follows:

	pins	11	10	9	8	7	6	5	4	3	2	1
SCSI id = 0		0	0	0	0	0	0	0	0	0	0	0
SCSI id = 1		0	0	x	0	0	0	0	0	0	0	0
SCSI id = 2		0	x	0	0	0	0	0	0	0	0	0
SCSI id = 3		0	x	x	0	0	0	0	0	0	0	0
SCSI id = 4		x	0	0	0	0	0	0	0	0	0	0
SCSI id = 5		x	0	x	0	0	0	0	0	0	0	0
SCSI id = 6		x	x	0	0	0	0	0	0	0	0	0
SCSI id = 7		x	x	x	0	0	0	0	0	0	0	0
reserved		0	0	0	x	0	0	0	0	0	0	0
Parity disable		0	0	0	0	x	0	0	0	0	0	0
enable motor start		0	0	0	0	0	x	0	0	0	0	0
delay motor start		0	0	0	0	0	0	x	0	0	0	0
write protect		0	0	0	0	0	0	0	x	0	0	0
remote LED connector		0	0	0	0	0	0	0	0	x	0	0
reserved		0	0	0	0	0	0	0	0	0	x	0
spindle sync. cable		0	0	0	0	0	0	0	0	0	0	0

Connector J01 consists of 4 pins arranged as follows:

Pin 3 . . Pin 1

J01 . . Pin 2

The various configurations are as follows:

Term power from drive	Pins 1 & 2
Term. power from SCSI bus	pins J01 & 2
Term. power to SCSI bus	pins 1 & 3
Term. power to SCSI bus & drive	pins 1 & 3, 2 & J01

Article Change History:

22 Nov 1994 - Corrected layout description of connector J4.

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