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Apple HDI-30 SCSI Disk Adapter: Cable Pinouts

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TOPIC -----

What are the pinouts for the Apple HDI-30 SCSI Disk Adapter (M2539LL/A)
(service part number 590-0718)?

DISCUSSION -----

Apple's SCSI cables are built to tight specifications to minimize electrical noise on the SCSI bus. The wires are laid out to provide minimal signal degradation. Poor quality cable construction may lead to intermittent SCSI operation and potential system crashes.

Male HDI-30 connector pin layout
(found on SCSI Disk Adapter Cable M2539LL/A)

30 29 28 27 26 25
24 23 22 21 20 19
18 17 16 15 14 13
12 11 10 9 8 7
6 5 4 3 2 1

BR-50 connector pin layout (found on SCSI Disk Adapter Cable M2539LL/A)

25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

50 49 48 47 46 45 44 43 42 41 40 39 38 37 36 35 34 33 32 31 30 29 28 27 26

HDI-30	BR-50	Name	Signal Description
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2	26	/DB0	SCSI data bit 0
1,3	19	GND	Ground, Pin 1 enables SCSI disk mode
4	27	/DB1	SCSI data bit 1
5	38	TERMPWR	Termination power (not supplied by PowerBook 100)
6	28	/DB2	SCSI data bit 2
7	29	/DB3	SCSI data bit 3
8	1,4	GND	Ground
9	44	/ACK	SCSI acknowledge
10	5	GND	Ground
11	30	/DB4	SCSI data bit 4
12	2,3,8	GND	Ground
13	11,9,6	GND	Ground
14	31	/DB5	SCSI data bit 5
15	24	GND	Ground
16	32	/DB6	SCSI data bit 6
17	7	GND	Ground
18	33	/DB7	SCSI data bit 7
19	34	/DBP	SCSI data bit parity
20	23,16,20	GND	Ground
21	49	/REQ	SCSI request
22	21,22	GND	Ground
23	43	/BSY	SCSI busy
24	25	GND	Ground
25	41	/ATN	SCSI attention
26	48	/C/D	SCSI control/data
27	45	/RST	SCSI bus reset
28	46	/MSG	SCSI message
29	47	/SEL	SCSI select
30	50	/I/O	SCSI input/output

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