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Macintosh Portable: Internal SCSI Connector Pin-Outs (5/93)

Article Created: 11 May 1993

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TOPIC -----

What are the pin-outs for a Macintosh Portable connected to a standard 3.5-inch SCSI 50-pin internal drive (such as a Quantum 80MB Hard Drive)?

DISCUSSION -----

The Macintosh Portable supports INTERNAL LOW POWER 3.5/1" disk drives. Because the Portable uses a non-standard 34-pin connector, only use hard drives designed for the Portable. Using other drives can draw too much power and damage the Portable Computer.

Using non-34-pin SCSI drives, which are not qualified or tested in the Macintosh Portable, can result in damage. If a 50-pin SCSI drive is installed in a Portable, which would require a 34- to 50-pin adapter or cable, the integrity of the system would be suspect. If the 50-pin SCSI drive is not low power, it will also damage the Portable Logic Board.

34 Pin Connector

Pin	Signal Name	Signal Description
1	/REQ	Request for REQ/ACK hsk
2	GND	Signal Ground
3	/MSG	Message Phase
4	/C/D	Data or Control is on bus
5	/I/O	Control the direction of the bus
6	GND	Signal Ground
7	/ACK	Ack for REQ/ACK data hsk
8	/ATN	Attention
9	/BSY	Busy
10	/RST	SCSI Bus Reset
11	GND	Signal Ground
12	/SEL	Select a target or indicator
13	/DBP	
14	/DB0	

15	/DB1	
16	GND	Signal Ground
17	/DB2	
18	/DB3	
19	/DB4	
20	/DB5	
21	/DB6	
22	/DB7	
23	+5 V	+5 Volts
24	+5 V	+5 Volts
25	+12 V	+12 Volts
26	+12 V	+12 Volts
27	GND	Signal Ground
28	GND	Signal Ground
29	Motor GND	
30	Motor GND	
31	+12 V	+12 Volts (Motor)
32	+12 V	+12 Volts (Motor)
33	+5 V	+5 Volts (Motor)
34	+5 V	+5 Volts (Motor)

REMEMBER: the Macintosh Portable does not supply Termination Power.

It is important to use the correct part for the corresponding Macintosh System. Apple drives are not to be used in systems other than those for which they were originally intended. In addition, drives specifically designed for certain computers should NOT be installed in systems for which they were NOT intended.

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Keywords: <None>

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19960215 11:05:19.00

Tech Info Library Article Number: 12073