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Apple 500MB & 1GB Hard Drives: SCSI Pin Configuration (7/95)

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Apple 500MB & 1	1GB Hard Drives: SCSI Pin Configuration (7/95)	
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Article Created: 12 July 1993 Article/Revised/Updated: 31 July 1995		
TOPIC		
What is the SCS	SI pin configuration for Apple's 500 MB and 1 GB hard drives?	
DISCUSSION		

Remember to use Apple drives only in the systems for which they were originally intended. Apple ships hard drives in certain configurations due to availability, pricing, and technical specifications (such as termination power and power draw). It is important to order and use the correct part for the corresponding Macintosh system.

The 500 MB and 1 GB Seagate drive SCSI pin configuration information is as follows:

•	SCSI and Power Connector end	
•		_
		I
	I	_I
	•	I
	• SCSI ID pins	I
	•	I
	I	I
	I	I
	I	I
	I	I
	I	I
	I	I
	I Connector J6	I
	I•••••	I
	> Also Known as A0	_
	I	

```
. I
. Pin set 1
```

```
Connector J5
       I I
                 ----I-----
       I ISCSI
                 SCSI ID = 0 I No Jumpers
  1 2 3 I IConnector -----I-----
                 SCSI ID = 1 I Jumper A0
  • • • I I
  I I I I I
                 ----I-----
  I I I
                 SCSI ID = 2 I Jumper A1
 A0 I A2
                 ----I-----
                 SCSI ID = 3 I Jumper A0, A1
    Т
    A1
                 ----I-----I
                 SCSI ID = 4 I Jumper A2
                 ----I-----
                 SCSI ID = 5 I Jumper A0, A2
                 ----I-----
                 SCSI ID = 6 I Jumper A1, A2
                 ----I-----
                 SCSI ID = 7 I Jumper A0, A1, A2 (MAC ID)
                 ----T-----
Connector J6 - Considered Auxiliary SCSI ID connector
______
                 ----I-----
                 SCSI ID = 0 I No Jumpers
  1 2 3 4 5 6
                 ----I-----
                 SCSI ID = 1 I Jumper A0
                 ----I-----
  I I I
  I I I
                 SCSI ID = 2 I Jumper A1
  VIV
                  ----I-----
 A2 I A0
                 SCSI ID = 3 I Jumper A0, A1
                  -----I-----
    V
    Α1
                 SCSI ID = 4 I Jumper A2
                 ----I-----
                 SCSI ID = 5 I Jumper A0, A2
                 ----I-----
                 SCSI ID = 6 I Jumper A1, A2
                 ----I-----
                 SCSI ID = 7 I Jumper A0, A1, A2 (Mac ID)
                 ----I-----
                 Sync Spindle I No Jumper
                 ----I-----
```

Both these drives have an additional connector (J2), which is located on the top of the drive printed circuit board (PCB) and contains the following pin sets:

Remote LED I No Jumper

Connector J2

- Pin set 1 TP Term. Power from SCSI Bus Jumper Installed
- Pin Set 2 TP Term. Power to SCSI Bus Jumper Installed
- Pin set 3 SS Self Seek NO JUMPER
- Pin Set 4 PE Parity Enabled Jumper Installed
- Pin Set 5 WP Write Protect NO JUMPER
- Pin Set 6 ME Motor Enable Option NO JUMPER
- Pin Set 7 DS Motor Delay Start Option NO JUMPER
- Pin Set 8 RS Reserved (Future Use) NO JUMPER

Apple only supports drives in configurations for which they were intended. If an internal drive, or any drive for that matter, is installed in an external case, but is not sold by Apple in this configuration, Apple does not support it.

Article Change History:

31 Jul 1995 - Corrected misspellings; reformatted; reviewed for accuracy.

08 Dec 1994 - Specified that information is for Seagate drives.

24 Sep 1993 - Corrected orientation of Pin Set 1 on connector J6.

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