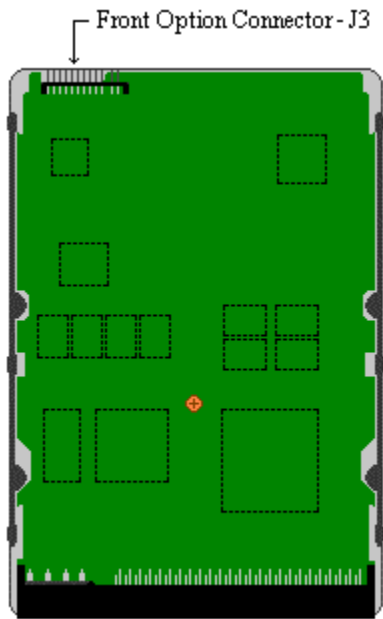


Atlas™ III

50-Pin Jumper Settings



The following describes the jumper options and settings available on the Maxtor® Atlas™ III disk drive. For more detail on jumper definitions; please refer to the jumper definition section.

Maxtor Atlas III was developed by Quantum Corporation prior to its merger with Maxtor.

Termination Enable (TE)

Enable termination	Jumper across pins 23-24 *
Disable termination	No jumper across pins 23-24

Termination Power (TP)

Enable termination power	Jumper across pins 27-28 *
Disable termination power	No jumper across pins 27-28

SCSI ID (A2, A1, A0)

Set drive SCSI ID See ID settings table below

Spin Up

Enable spin up Jumper across pins 13-14 *
Disable spin up No jumper across pins 13-14

Stagger Spin

Enable stagger spin Jumper across pins 15-16
Disable stagger spin No jumper across pins 15-16 *

Write Protect

Write Protection Jumper across pins 17-18
Write Enable No jumper across pins 17-18 *

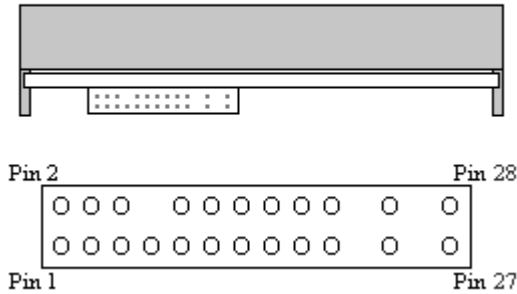
* Indicates default jumper setting

Jumper Locations

The Atlas III disk drive has one location where user configurable jumpers are found. The primary jumper block (Front option connector J3) for the Atlas III drive is found on the front edge of the disk drive printed circuit board. Using these jumper pins you can establish the various drive configuration options.

Front Option Connector - J3

Front View



Pin	Signal	Pin	Signal
1	A0	2	logic_gnd
3	A1	4	logic_gnd
5	A2	6	logic_gnd
7	Fault LED	8	key (blank)
9	Busy LED	10	Reserved
11	+5VDC out	12	unused
13	Spin Up	14	logic_gnd
15	Stagger Spin	16	logic_gnd
17	Write Protect	18	logic_gnd
19	Reserved	20	logic_gnd
21	No pins	22	No pins
23	Term enable	24	logic_gnd
25	No pins	26	No pins
27	Term power	28	Term power

The drawing above displays the jumper block physical location and pin definitions.

SCSI ID Settings

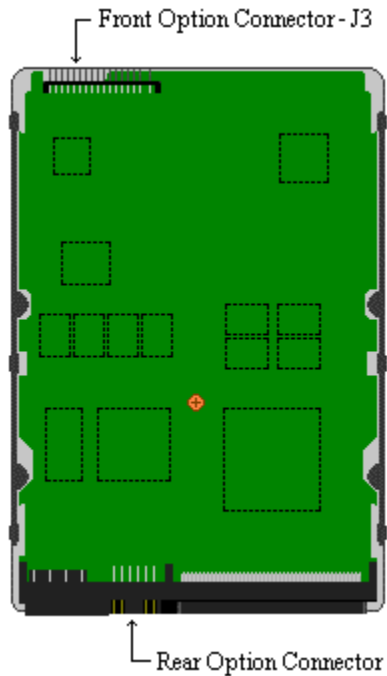
The following table identifies the various SCSI ID values and the jumper positions required to set them.

Drive ID	A0 (Pins 1-2)	A1 (Pins 3-4)	A2 (Pins 5-6)
ID 0	OFF	OFF	OFF

ID 1	ON	OFF	OFF
ID 2	OFF	ON	OFF
ID 3	ON	ON	OFF
ID 4	OFF	OFF	ON
ID 5	ON	OFF	ON
ID 6	OFF	ON	ON
ID 7	ON	ON	ON

Atlas™ III

68-Pin Jumper Settings



The following describes the jumper options and settings available on the Maxtor® Atlas™ III disk drive. For more detail on jumper definitions; please refer to the jumper definition section. The Maxtor Atlas III was developed by Quantum Corporation prior to its merger with Maxtor.

Termination Power (TP)

Enable termination power	Jumper across pins 35-36 *
Disable termination power	No jumper across pins 35-36

SCSI ID (A3, A2, A1, A0)

Set drive SCSI ID	See ID settings table below
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Spin Up

Enable spin up	Jumper across pins 11-12 *
Disable spin up	No jumper across pins 11-12

Write Protect

Write Protection	Jumper across pins 19-20
Write Enable	No jumper across pins 19-20 *

Stagger Spin

Enable stagger spin	Jumper across pins 21-22
Disable stagger spin	No jumper across pins 21-22 *

Enable Narrow

Enable Narrow	Jumper across pins 23-24
Disable Narrow	No jumper across pins 23-24 *

Disable Synchronous Negotiation

Enable SyncReq	No jumper across pins 25-26 *
Disable SyncReq	Jumper across pins 25-26

Disable Parity

Enable Parity	No jumper across pins 27-28 *
Disable Parity	Jumper across pins 27-28

Disable Attention

Enable Attention	No jumper across pins 29-30 *
Disable Attention	Jumper across pins 29-30

Termination Note

The Atlas III wide disk drive is manufactured as an Ultra2 Multi-Mode LVD device only. This drive does not provide for onboard SCSI bus termination. Refer to your system or SCSI controller documentation regarding recommendations on SCSI bus termination.

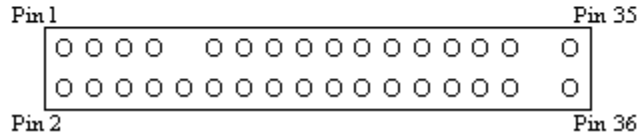
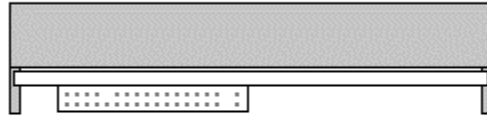
* Indicates default jumper setting

Jumper Locations The Atlas III wide disk drive has two locations where user configurable jumpers are found. The primary jumper block (Front option connector J3) for the Atlas III wide drive is found on the front edge of the disk drive printed circuit board. Using these jumper pins you can establish the various drive configuration options. The secondary option jumper block provides an alternate method for setting primary drive features. The alternate jumper block is located at the

rear of the drive and is incorporated into the SCSI cable connector.

Front Option Connector - J3

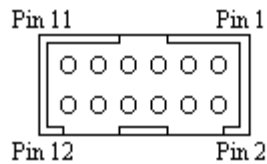
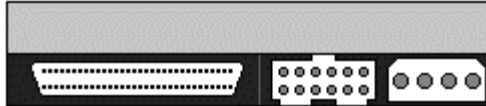
Front View



Pin	Signal	Pin	Signal
1	A3	2	logic_gnd
3	A2	4	logic_gnd
5	A1	6	logic_gnd
7	A0	8	logic_gnd
9	Key (blank)	10	Fault LED
11	Spin Up	12	logic_gnd
13	logic_gnd	14	Reserved
15	Reserved	16	Reserved
17	Busy LED	18	+5 volts
19	Write Protect	20	logic_gnd
21	Stagger Spin	22	logic_gnd
23	Enable Narrow	24	logic_gnd
25	Disable SyncNeg	26	logic_gnd
27	Disable Parity	28	logic_gnd
29	Disable Attention	30	logic_gnd
31	Customize	32	logic_gnd
33	No pins	34	No pins
35	Term Power	36	Term Power

Rear Option Connector

Back View



Pin	Signal	Pin	Signal
1	A0	2	Fault LED
3	A1	4	logic_gnd
5	A2	6	logic_gnd
7	A3	8	Busy LED
9	Reserved	10	logic_gnd
11	+5VDC out	12	No connect

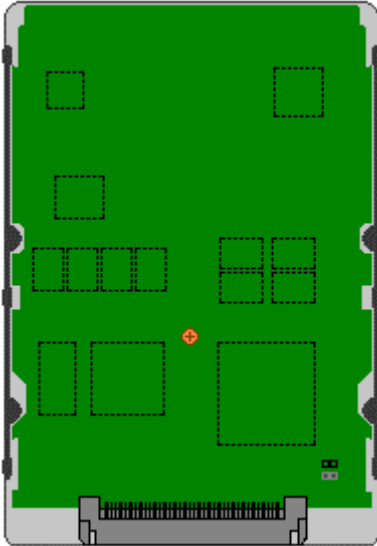
SCSI ID Settings The following table identifies the various SCSI ID values and the jumper positions required to set them.

Drive ID	A0 (Pins 7-8)	A1 (Pins 5-6)	A2 (Pins 3-4)	A3 (Pins 1-2)
ID 0	OFF	OFF	OFF	OFF
ID 1	ON	OFF	OFF	OFF
ID 2	OFF	ON	OFF	OFF
ID 3	ON	ON	OFF	OFF
ID 4	OFF	OFF	ON	OFF
ID 5	ON	OFF	ON	OFF
ID 6	OFF	ON	ON	OFF
ID 7	ON	ON	ON	OFF
ID 8	OFF	OFF	OFF	ON
ID 9	ON	OFF	OFF	ON
ID 10	OFF	ON	OFF	ON
ID 11	ON	ON	OFF	ON
ID 12	OFF	OFF	ON	ON

ID 13	ON	OFF	ON	ON
ID 14	OFF	ON	ON	ON
ID 15	ON	ON	ON	ON

Atlas™ III

80-Pin Jumper Settings



The following describes the jumper options and settings available on the Maxtor® Atlas™ III SCA disk drive.

Maxtor Atlas III was developed by Quantum Corporation prior to its merger with Maxtor.

LVD Disable (SE)

Enable Single Ended operation	SE jumper on
Enable auto switch between Single Ended or LVD operation	SE jumper off*

* Indicates default jumper setting

The Atlas III SCA drive does not provide support for any additional options through the use of physical jumper settings. Additional feature options are set through the SCA interface, contact your system manufacturer for details on how to set optional features.

The Atlas III SCA provides support for:

Stagger Spin, Spin Delay and SCSI ID selection.

The Atlas III SCA does not provide support for:

Active Termination enable, Termination Power and Write Protect.

Jumper Locations

The Atlas III SCA disk drive has only one location where user configurable jumpers are found. The jumper block for the Atlas III SCA drive is found on the disk drive printed circuit board near the SCA cable connector.

SCSI ID Settings

The Atlas III SCA drive does not provide for physical configuration of the SCSI ID. Maxtor, formerly Quantum, disk drives that utilize the 80-pin SCA connector do not require any jumper configuration for SCSI ID. Systems that use SCA connections, typically, auto-configure the SCA device. This configuration is determined by the system at start-up or by user definition during system setup. Contact your system manufacturer for details on setting SC

Termination Enable (TE)

Enable termination	TE jumper on
Disable termination	TE jumper off

Termination Power (TP)

Enable termination power	TP jumper on
Disable termination power	TP jumper off

Delay Spin (DS)

Enable Write Protection WP jumper on
 Disable Write Protection WP jumper off

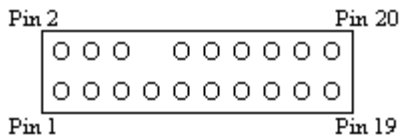
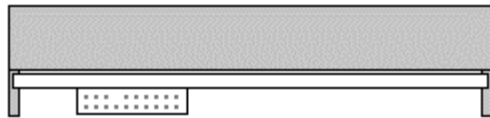
Jumper Locations

The Atlas II disk drive has two locations where user configurable jumpers are found. The primary jumper block (Front option connector J3) for the Atlas II is found on the front edge of the disk drive printed circuit board. Using these jumper pins you can establish the various drive configuration options. The second option jumper block is used to set the Atlas II termination options. This jumper block is found on the printed circuit board at the rear of the drive and is near the SCSI cable connector.

28-Pin Secondary Option Connector

Front Option Connector - J3

Front View



Pin	Signal	Pin	Signal
1	A0	2	logic_gnd
3	A1	4	logic_gnd
5	A2	6	logic_gnd
7	Fault LED	8	key (blank)
9	Busy LED	10	Spindle Sync
11	+5VDC out	12	unused
13	Delay Spin	14	logic_gnd
15	Stagger Spin	16	logic_gnd
17	Write Protect	18	logic_gnd
19	Spindle Sync	20	logic_gn

The drawing above displays the jumper block physical location and pin definitions.

SCSI ID Settings

The following table identifies the various SCSI ID values and the jumper positions required to set them.

Drive ID	A0	A1	A2
ID 0	OFF	OFF	OFF
ID 1	ON	OFF	OFF
ID 2	OFF	ON	OFF
ID 3	ON	ON	OFF
ID 4	OFF	OFF	ON
ID 5	ON	OFF	ON
ID 6	OFF	ON	ON
ID 7	ON	ON	ON