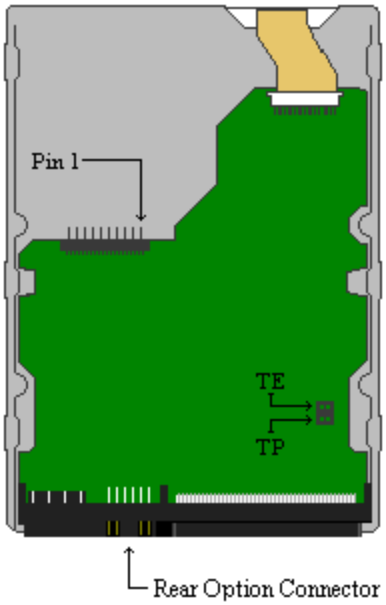
Quantum

Viking II:

Wide-Low Voltage Differential

SCSI Jumper Settings

Viking™ II



Jumper Settings

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

The Maxtor Viking II was developed by Quantum Corporation prior to its merger with Maxtor.

LVD Disable (SE)[1]

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

[1]=Note that early models of the LS version may have the SE jumper position mismarked as TE. If so, the TE position is actually SE.

Termination Power (TP)

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

SCSI ID (A3, A2, A1, A0)

Set drive SCSI ID	See ID settings table below

Wait Spin (WS)

Enable wait spin	WS jumper on
Disable wait spin	WS jumper off*

Spin Delay (SD)

Enable spin delay	SD jumper on
Disable spin delay	SD jumper off*

Write Protect (RSVD2)

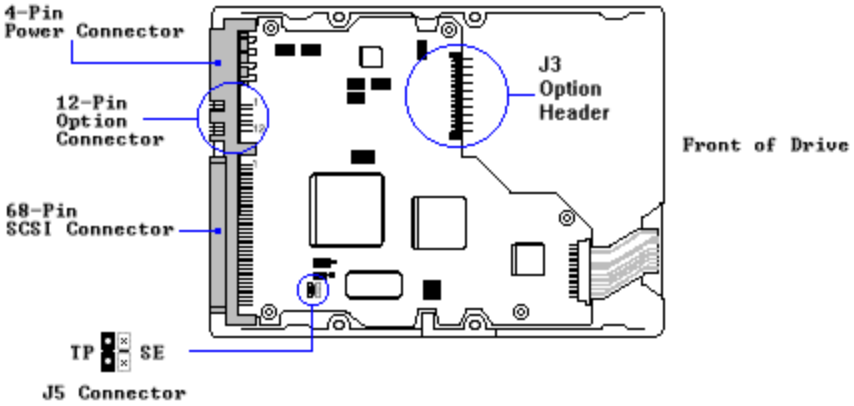
Write Protection	RSVD2 jumper on
Write Enable	RSVD2 jumper off*

* Indicates default jumper setting

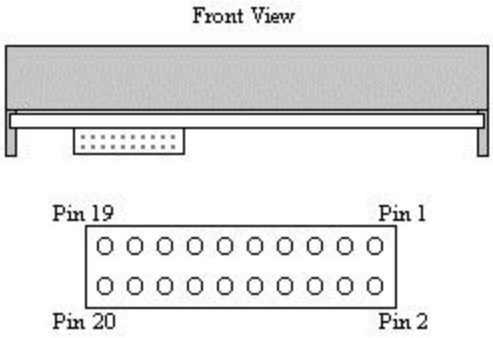
Jumper Locations

The Viking II wide disk drive has two locations where user configurable jumpers are found. The primary jumper block (Front option connector J3) for the Viking II 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.

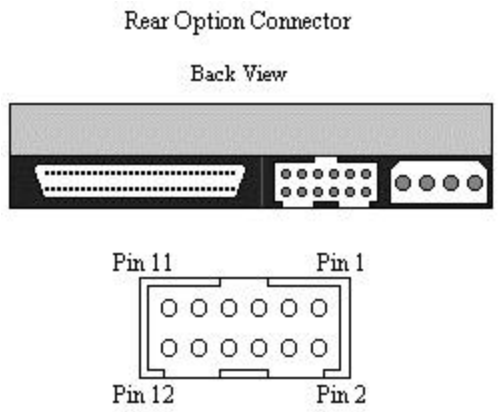
The termination power option setting is located on the printed circuit board at the rear of the drive and is near the SCSI cable connector.



Front Option Connector - J3



Pin	Signal	Pin	Signal
1	A0	2	logic_gnd
3	A1	4	logic_gnd
5	A2	6	logic_gnd
7	A3	8	logic_gnd
9	SE	10	logic_gnd
11	LED Cathod (Neg)	12	LED Anode (Pos)
13	Wait Spin	14	logic_gnd
15	Spin Delay	16	logic_gnd
17	RSVD2	18	logic_gnd
19	NC	20	logic_gnd



Pin	Signal	Pin	Signal
1	A0	2	XTFAULT
3	A1	4	logic_gnd
5	A2	6	logic_gnd
7	A3	8	LED CATHOD
9	SE	10	logic_gnd
11	+5VDC out	12	NC

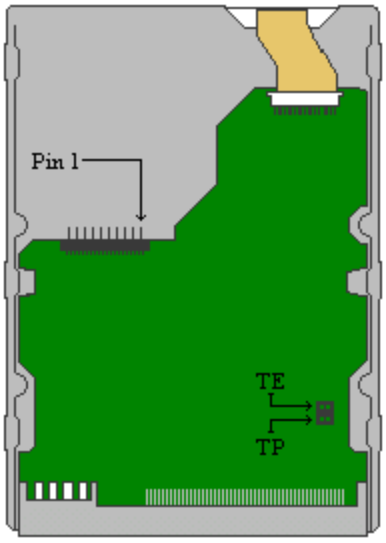
SCSI ID Settings

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

Drive ID	A0	A1	A2	A3
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

Viking™ II



Jumper Settings

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The Maxtor Viking II was developed by Quantum Corporation prior to its merger with Maxtor.

LVD Disable (SE)[1]

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

SCSI ID (A3, A2, A1, A0)

Set drive SCSI ID	See ID settings table below

Wait Spin (WS)

Enable wait spin	WS jumper on
Disable wait spin	WS jumper off*

Spin Delay (SD)

Enable spin delay	SD jumper on
Disable spin delay	SD jumper off*

Write Protect (RSVD2)

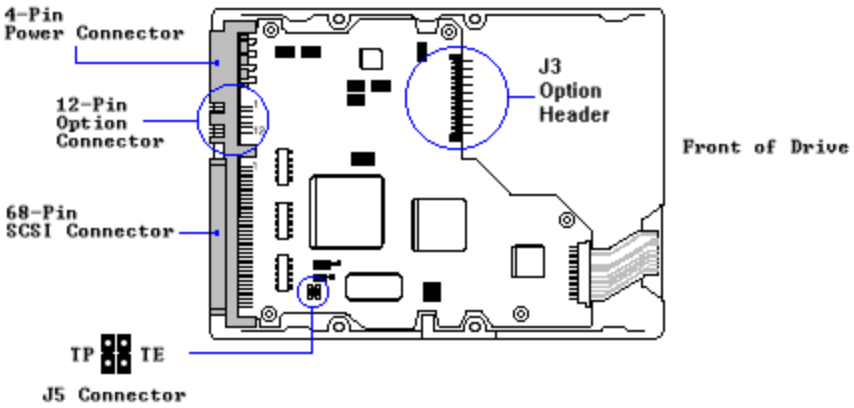
Write Protection	RSVD2 jumper on
Write Enable	RSVD2 jumper off*

* Indicates default jumper setting

Jumper Locations

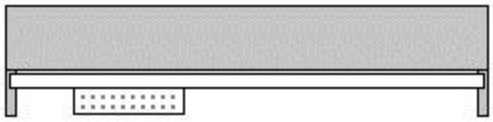
The Viking II wide disk drive has two locations where user configurable jumpers are found. The primary jumper block (Front option connector J3) for the Viking II wide drive is found on the front edge of the disk drive printed circuit board. Using these jumper pins you can establish the various drive 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.

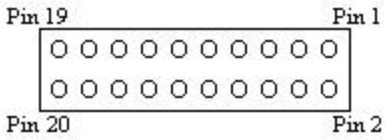
The termination and termination power option setting, only available on SE (non-differential) versions, is located on the printed circuit board at the rear of the drive and is near the SCSI cable connector.



Front Option Connector - J3

Front View

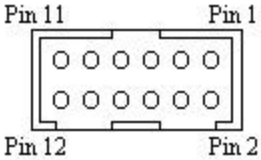




Pin	Signal	Pin	Signal
1	A0	2	logic_gnd
3	A1	4	logic_gnd
5	A2	6	logic_gnd
7	A3	8	logic_gnd
9	TE	10	logic_gnd
11	LEDPWR	12	LEDPWR
13	Wait Spin	14	logic_gnd
15	Spin Delay	16	logic_gnd
17	RSVD2	18	logic_gnd
19	NC	20	logic_gnd

Rear Option Connector

Back View



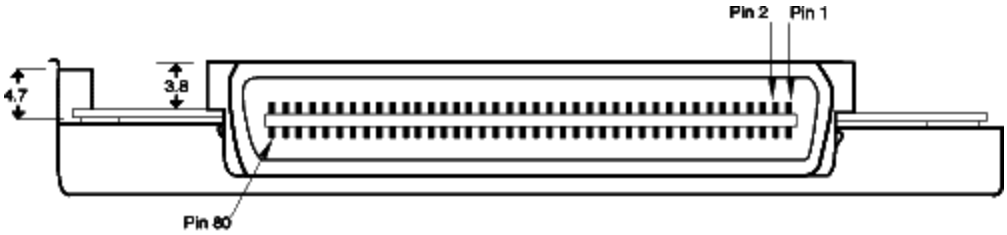
Pin	Signal	Pin	Signal
1	A0	2	XTFAULT
3	A1	4	logic_gnd
5	A2	6	logic_gnd
7	A3	8	LED CATHOD
9	Enable Termination	10	logic_gnd
11	+5VDC out	12	NC

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	A3
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

Viking™ II



80 Pin SCA Connector

Jumper Settings

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

The Maxtor Viking II was developed by Quantum Corporation prior to its merger with Maxtor.

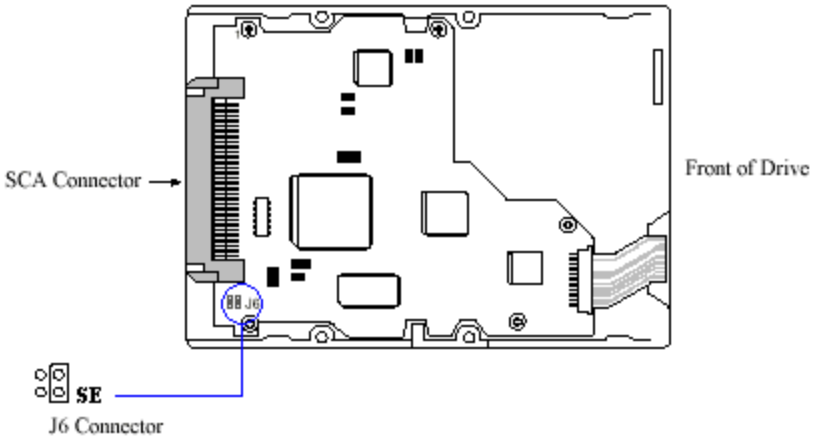
LVD Disable (SE)

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

* Indicates default jumper setting

Jumper Locations

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



The Viking II SCA drive has only the single jumper position referenced above. Jumper position J6 determines if the drive is forced into SE mode only (jumper in) or if the drive supports multi-mode LVD (jumper out).

SCSI ID Settings

The Viking II SCA drive does not provide for physical configuration of the SCSI ID. 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 SCSI ID.