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**AHA-2840VL/2842VL**

**High Performance Bus Master  
VL-to-Fast SCSI Host Adapter  
with SCSI*Select*<sup>™</sup>**

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**Installation Guide**

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# 1 Gett

This guide the AHA. With the controller both host Drives in Here is at

- 1 Insert 2840VL/2842VL SCSI controller, if necessary, in the exception of the AHA-2842VL.
- 2 Connect the installation procedure.
- 3 Terminate the SCSI bus (See Section 4.)
- 4 Adjust the SCSI controller by setting the SCSI controller utility to the host adapter in a VL-Bus slot.
- 5 Load the SCSI controller software and SCSI AHA-2840VL/2842VL software. The following table describes the SCSI bus.

all and configure all host adapters. 2842VL floppy drive controller is the same for Controlling Floppy

per installation: L-Bus™ slot in your peripheral.

# 2 Default Settings

AHA-2840VL/2842VL floppy drive controller with their factory settings are:

Parameter	Default Setting
Interrupt Level	IRQ 11
Data FIFO Threshold	100%
Port Address	1C00h
Host Adapter BIOS	Enabled at address D8000h
Host Adapter SCSI ID	7
SCSI Bus Parity	Enabled
SCSI Bus Reset at Host Adapter	Enabled
SCSI Bus Termination	Enabled
Floppy Drive Controller	Enabled
Greater than 1 GByte Support	Enabled (AHA-2842VL only)
BIOS Support for More than 2 GB	Disabled
Removable Drive Support	Support removable drive as boot device only

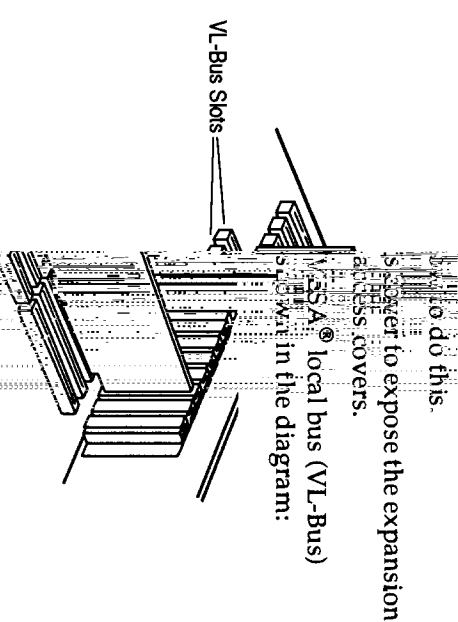
See Section 6, Configuration, for how to change these settings.

# 4 Installing the Board

## Inserting the Board

**WARNING:** Turn off the power to your system before you insert the SCSI adapter. See your computer's instructions on how to do this.

- 1 Remove the chassis cover and disconnect the floppy drive controller and attached expansion slot, as shown in the diagram.
- 2 Locate an unused expansion slot, as shown in the diagram.



- 3 Remove the corresponding expansion board access cover on the computer chassis.
- 4 Align the bus connector on the bottom of the host adapter with the VL-Bus slot and carefully press it down into the slot. Secure the host adapter bracket to the computer chassis with the screw from the removed expansion slot cover.

**Note:** Do not replace the chassis cover or reconnect the power yet!

## Setting Switches

If you need to change switch block settings, do it now before you replace the chassis cover and run SCSISelect. (See Section 9, Switch Block Settings.) In most cases, you will never have to change the default switch settings. Here are some situations in which you should change the settings:

### Controlling Floppy Drives

If your floppy drives are connected to another floppy controller (e.g., the one on the motherboard), set SW5 to **On** to **disable** the AHA-2842VL floppy controller.

If you want to use the floppy controller on the AHA-2842VL, you must **disable** other floppy controllers in the computer; refer to the documentation for your computer or floppy controller.

### Using Multiple Host Adapters

The AHA-2840VL/2842VL port address must be different from the port addresses of other expansion boards and host adapters. If another board is using the default AHA-2840VL/2842VL port address of 1C00h, change SW1-SW4 to a different port address (see Section 9, Switch Block Settings).

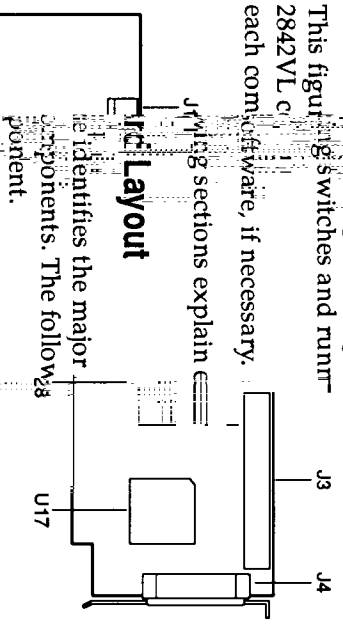
Each installed host adapter must also have a different BIOS address, which is set by SW6 and SW7. Or, you can **disable** the AHA-2840VL/2842VL BIOS by setting SW8 to **On**. (See the next section.)

### Disabling the BIOS

CD-ROM drives, tape drives, and other non-disk devices do not use the host adapter BIOS. Therefore, if no SCSI hard disk drives are connected to the host

# 2 BIOS

This figure shows the location of each component, if necessary.



Location	Description
J1	Switch Block
J2	Floppy Drive Controller
J3	AIC-7770 Bus Master Chip
J4	Host Adapter BIOS ROM
U17	SCSI Controller
U18	Host Adapter BIOS ROM

# 3 Default Settings

See Section 6, Configuration, for how to change these settings.





