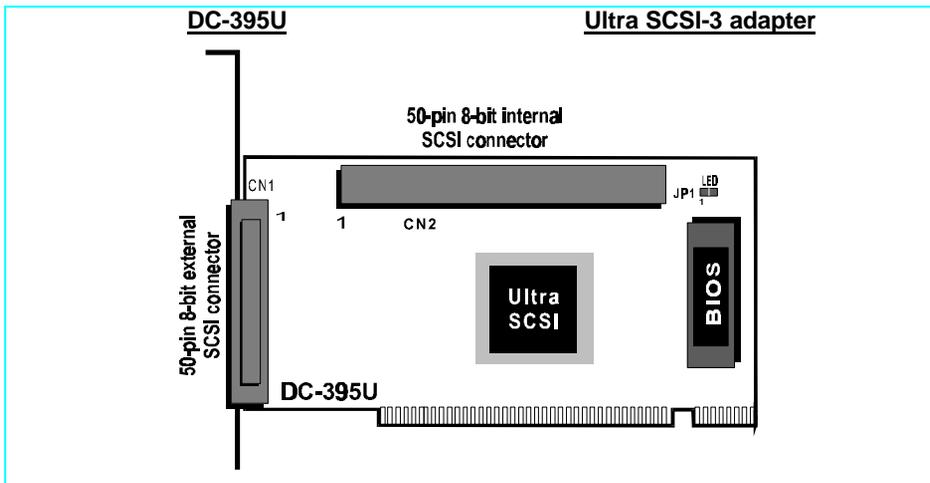## INTRODUCTION

The DC-395 series is a SCSI (Small Computer System Interface) bus to PCI bus host adapter, which complies to the PCI 2.1 specification with Plug-&-Play (PnP) readiness. By using the Disconnect/Reconnect technique, performance degradation during multitasking operations is prevented. Other enhanced SCSI-2 features such as scatter-gather and command-tag queuing are supported.
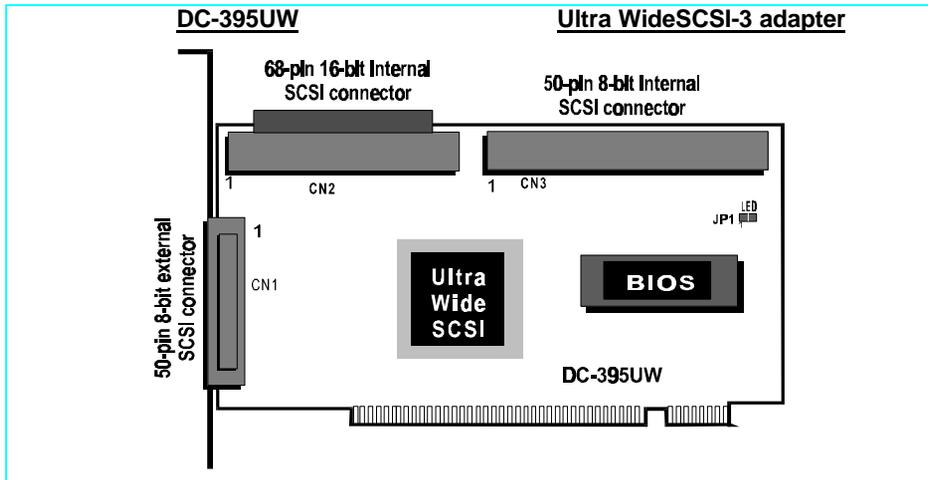
HARDWARE INSTALLATION

Board Layout

Installing the Adapter

Important: Handle circuit boards by the edges or brackets. Touch the bare metal of your computer case before handling any circuit boards to present static discharge demage.

1. Power OFF and unplug your system.

2. Remove the computer cover. Refer to your system user's manual for instructions.

3. Align the gold-fingered edge on your card with an empty PCI expansion slot and gently insert it tinto place. You may need to remove the cover from the rear of the PCI expansion slot that you selected.

4. Replace the screws to secure the card retaining bracket in place.

5. Continue to the following sections for installation.

SCSI Device Activity LED Indicator (JP1)

JP1 is used to indicate activity of the SCSI devices controlled by the DC-395 series adapter, and should be connected to the cable leading to the Hard Drive LED on the front panel of your computer case.

Setting the SCSI IDs

The maximum devices that can be installed on each model are show below:

Model #	Max.Devices Number
DC-395U	7
DC-395UW	15

Each SCSI device attached to the SCSI card, as well as the card itself, must be assigned a **unique** SCSI ID number. SCSI ID 7 is preset to the SCSI card, giving it the highest priority on the SCSI bus.

Checking the Terminators on the SCSI Bus

In order to stabilize the SCSI bus, only two sets of terminators can be installed - one at each end of the SCSI bus. The DC-395 series is equipped with **Active Terminators** that automatically switch from Enabled to Disabled or vice versa by scanning the devices connected on the SCSI bus. So, manual termination adjustment is not required.

Connecting the SCSI Peripherals

The Following table is the Cable Connection of DC-395 series

Model #	CN1(External)	CN2(Internal)	CN3(Internal)
DC-395U	50-pin; 8-bit	50-pin; 8-bit	
DC-395UW*	50-pin; 8-bit	68-pin;16-bit (wide)	50-pin; 8-bit
* Only two of the three connectors can be used to connect SCSI devices at the same time.			

DC-395 series SCSI Adapter

The following table summarizes the maximum allowable cable lengths for the DC-395 series:

Model #	SCSI Type	Data Xfer Rate	Max. # of Devices	Max. Cable Length
DC-395U/UW	Ultra /Ultra Wide SCSI	20/40 MB/Sec	4	3meters (9.8 feet)
DC-395U/UW	Ultra/Ultra Wide SCSI	20/40 MB/Sec	8	1.5meters(4.9feet)
• If there are internal devices connected, the internal cable length must be included in the measurement of SCSI bus length.				

DRIVER INSTALLATION

Further information about drivers and step-by-step installation procedure can be found in the User's Manual and Readme file in each driver directory.

For the driver and BIOS updates, please visit our Website at

http://www.tekram.com.tw

http://www.tekram.com

http://www.tekram.com.de