



Hitachi Global Storage Technologies

Quick Installation Guide Hitachi Ultrastar 10K300

Models: **HUS103030FL3600** **HUS103030FL3800**
 HUS103014FL3600 **HUS103014FL3800**
 HUS103073FL3600 **HUS103073FL3800**



Handling precautions

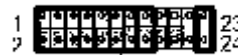
- Do not open the electrostatic discharge (ESD) bag containing the drive until required.
- Do not apply pressure on the drive during handling and installation.
- To prevent damage from impact or vibration always set the drive down gently.
- Handle the drive carefully by the edges. Do not touch the exposed printed circuit board or any electronic components.
- Do not cover the breather hole! Covering the breather hole may result in loss of data.
- Save the packaging materials including the ESD bag in the event that the drive must be returned.

Installing the drive

1. Record the serial number and part number of your hard drive for future reference
2. Turn off the computer and remove the computer system cover
3. Before handling the hard disk drive, discharge any static electricity from yourself and your clothing. With one hand touch an unpainted metal surface on the computer chassis, and then touch the ESD bag with the other hand for a minimum of two seconds.
4. Remove the hard drive from the ESD bag.
5. Unplug the computer.
6. Assign a SCSI address if necessary.

Wide LVD 68pin-16bits (NW)

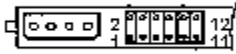
Option Jumper Connector (C3)



Pin No	Signal Name	Pin No.	Signal Name
1	ID3	2	GND
3	ID2	4	GND
5	ID1	6	GND
7	ID0	8	GND
9	Disable Auto Start	10	GND
11	Force Single Ended mode	12	GND
13	Enable Delayed Start	14	GND
15	Write Protect	16	GND
17	Reserved	18	GND
19	Reserved	20	GND
21	LED(with 0 ohm)	22	5Vwith 150 ohm
22	Term. Power to SCSI bus	24	Term Power to SCSI bus

Note: The SCSI ID setting is to be set via the eC3 connector (not by the C4.) In case the SCSI ID setting is done by remote switch via the C4 connector and remote cable, remove all Jumper Sockets from the C3 connector to avoid ID control conflicts.

Auxiliary Connector C4



Pin	Signal Name	Pin No.	Signal Name
1	ID0	2	Reserved
3	ID1	4	Reserved
5	ID2	6	Reserved
7	ID3	8	LED (with 150 Ohm)
9	N.C.	10	GND
11	5V	12	Term Power to SCSI bus

No Jumpers required on the 80 Pin Connector

7. Mounting Orientation

The drive may be installed horizontally or Vertically. Provide adequate airflow to cool drive. Use 4 mounting screws(6x32UNC). Maximum screw penetration 3.8mm(0.15 in) into driveⓄ

8. For a 68-pin drive attach the power cable and ensure that one end of the SCSI cable is connected to the host adapter. The cable should be terminated. *(The 80-pin drive is plugged into the server backplanes and requires no cables)*

9. Ensure that all cables are connected and properly routed.

13. Turn on your computer.

- If the system boots be sure the drive is recognized. If it is turn off the computer and replace the cover. Proceed to install your operating system.
- If your system does not boot up, turn off your computer and check all connections and settings. Turn on and boot the system.
- If the system fails to boot, turn off your system. Contact the Hitachi GST Technology Support Center for assistance.

Special Notes:

- For this drive to operate in LVD mode all SCSI devices including the SCSI bus host adapter must be LVD devices.
- The drive is designed to detect if the SCSI bus is LVD or SE. The drive will function based upon the mode that it detects. To force SE ended mode on the 68-pin drive, place a jumper across pins 11&12 connector C3
- For 68 pin drives termination power must be provided. In most cases the host adapter provides it. It is not install a jumper on pins 23&24 on option jumper C3. If using the Auxiliary connector C4 jumper pins 11&12. *(The 80-pin drive does not provide termination power.)*

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Hitachi Global Storage Technologies
5600 Cottle Road
San Jose, CA 95193

Produced in the United States

2/04

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18 February 2004