SATA II 1-To-5 Port Multiplier bridge board (for 5bay DiskArray)

1. Introduction

One SATA II host port communicate and connect up to five SATA II Hard Drives by one SATA single-lane cable.

Install this board inside of your External Disk Array 5bay case and make 5 units of SATA hard drive have External Serial ATA (eSATA) connection to 1 external SATA host port.

Supports SCSI-1Centronic 50pin Form factor.

Important information for User:

******Normally SATA II Host adapter bios does NOT support Port Multiplier, but SATA II driver does support, so the PC system can NOT recognize the multiple disks until OS booting.**

1.1. Features

- 1-to-5 native SATA II Port Multiplier
- Shielded and durable eSATA connector for host connection
- Full support for FIS-based switching and command-based switching SATA host controllers
- Advanced data aggregation architecture for ultra-fast read and write operations with FIS-based switching controllers
- Host and device status and activity LED's
- 1.5Gbps and 3.0Gbps PHY support with auto-negotiation
- Compliant with SATA II external specification
- Hot-plug and ATAPI support
- For 5bay Disk Array with Mounting hole of SCSI (Centronic 50pin) form factor

2. Installation

Step 1. Screw the Bridge board to the Mounting holes of SCSI (Centronic 50pin) form factor at the back side of 5bay Disk Array or Multiple Bay Disk Array

Step 2. Connect J1 4pin floppy connector of the board to Power cable

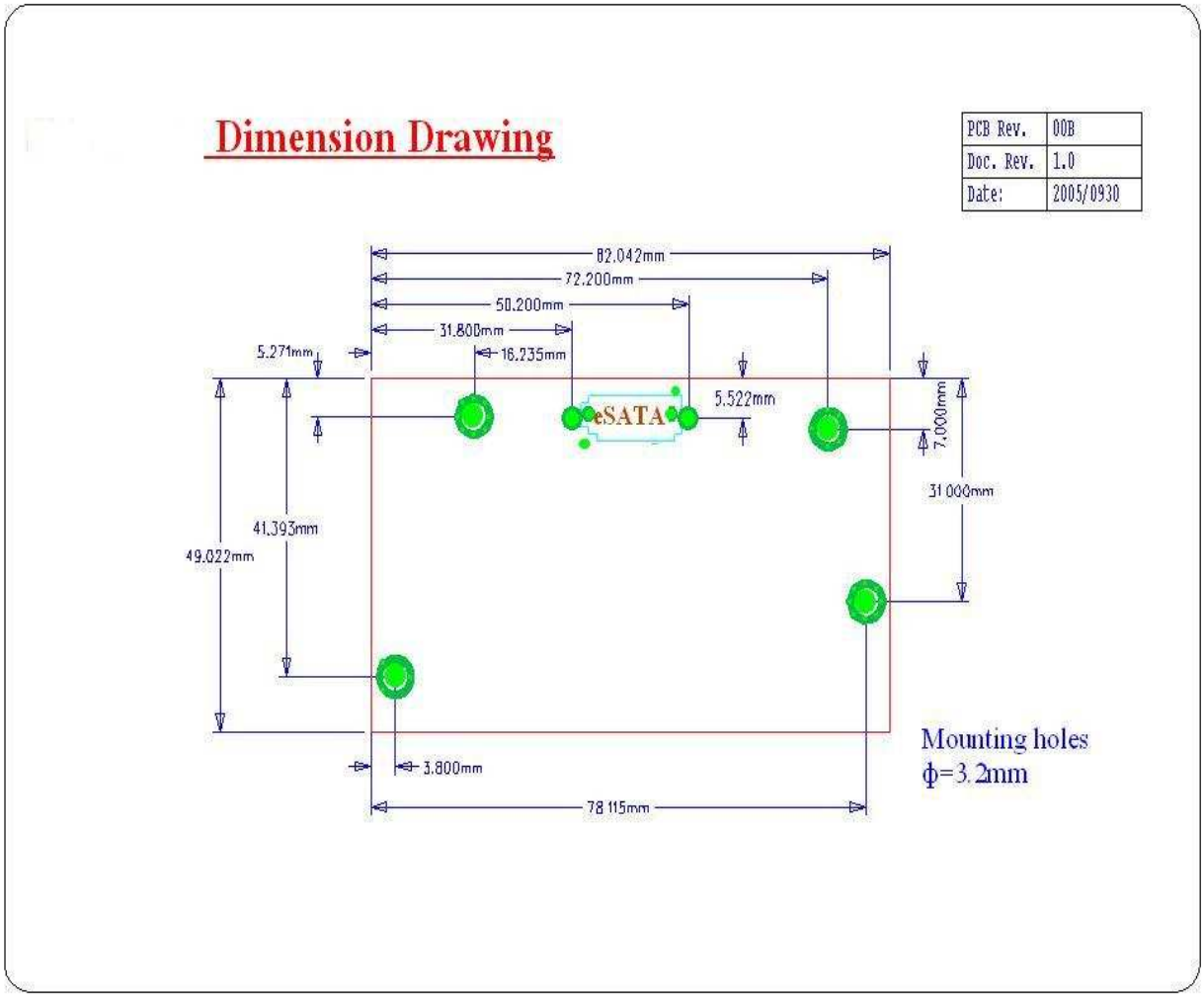
Step 3. Connect JP4 Pin Headers (A ~ E) to Hard Drive LED Index on Disk Array

Step 4. Connect JP4 Pin Header (H) to Host LED Index on Disk Array

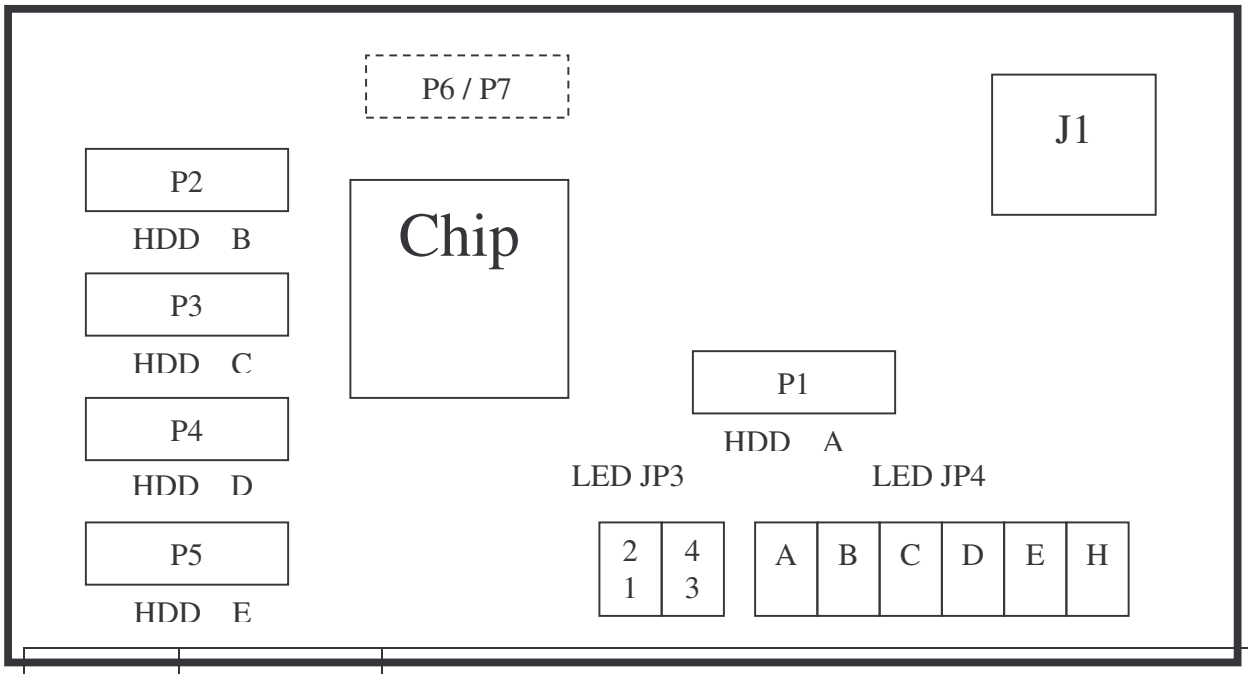
Step 5. Connect JP3 Pin Header (12 or 34) to Power LED Index on Disk Array

Step 6. Connect P1 ~ P5 (HDD A ~ HDD E) to SATA Hard drives

3. Board Dimension



4. Jumper and LED Pin Header



LED#	LED Mode	Description
H	Host LED	OFF： No function. ON： Bridge board working & host port connecting. Blink： Host port accessing.
A ~ E	HDD LED	OFF： No function. ON： Bridge board working & host port connecting & Hard drive connecting. Blink：Hard drive accessing.
12(JP3)	Power LED	ON： Bridge board Power on.
34(JP3)	System LED	ON： Bridge board working.