

PCIe-SATA conversion adapter[AB01-PCIe2SATA]

Manual [Ver1.0E]

Introduction

Thank you for choosing PCIe-Express_to_SATA conversion adapter [Part Number: AB01-PCIe2SATA] (“SATA adapter” in this manual.)

The SATA adapter is interface conversion board between 1-lane PCIe and SATA so that user can evaluate SATA-IP from DesignGateway.

User can evaluate real SATA interface operation by the SATA adapter along with FPGA Evaluation board such as SP-605 from Xilinx and SATA SSD/HDD device.

Board Appearance

The SATA adapter board size is 18mm width and 44mm length. 1-Lane PCIe connector and SATA Host connector is mounted on the component side. Following figure-1 shows SATA adapter appearance.

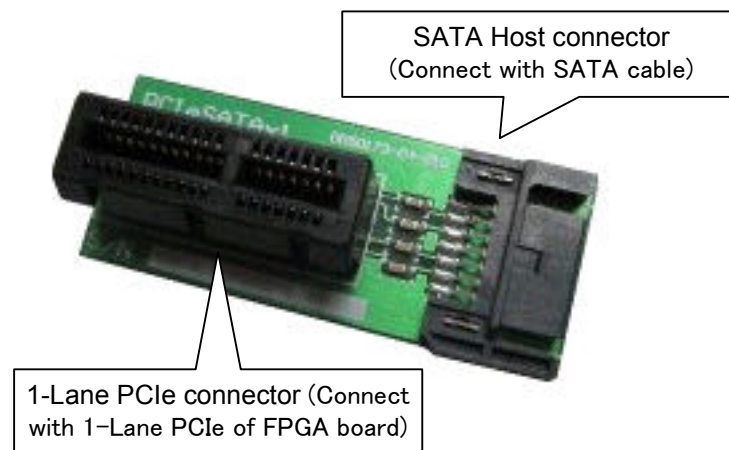


Figure-1: AB01-PCIe2SATA board appearance

Connection to the FPGA board

Connect the SATA adapter with 1-Lane PCIe connector on the FPGA evaluation board and also connect SATA connector with general SATA cable.

When user want to use FPGA as a SATA device and connect with SATA port of the PC, it needs signal channel swapping between TX and RX. In this case, insert SATA crossover adapter (Part No.: AB02-CROSSOVER) from DesignGateway between SATA connector and SATA cable.

Disclaimer

DesignGateway is exempted from any damage to the connected SATA device or FPGA board.

[Inquiry]

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Schematic

