



JM20329 Hi-Speed USB to SATA Bridge

Overview

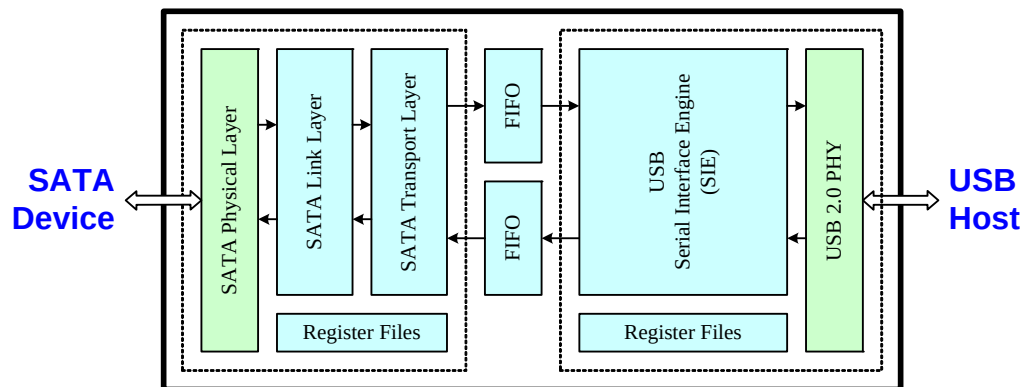
The JM micron JM20329 is the single chip solution to bridge between USB host and SATA device. The highly integrated Hi-Speed USB and SATA Phys technology provides a cost-effective solution to apply USB to SATA device enclosure. The USB adheres the Mass Storage Class Bulk-Only Transport Specification. The embedded command parser supports both ATA and ATAPI command set with LBA48 addressing capability.

Features

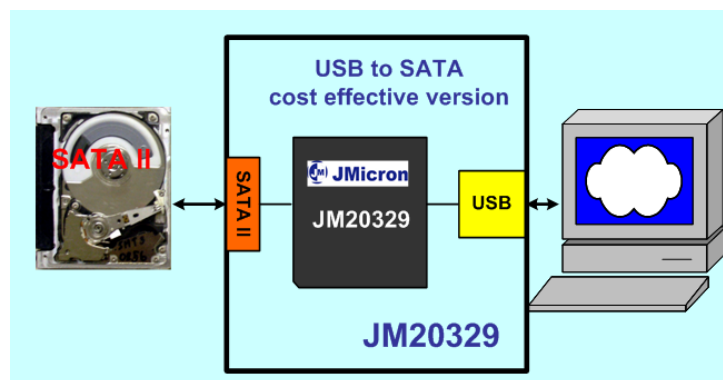
- Compliance with Gen1i/Gen1m of Serial ATA II Electrical Specification 2.5
- Support SATA II Asynchronous Signal Recovery (Hot Plug) feature
- Compliance with USB 2.0 electrical specification
- Support USB High-Speed and Full-Speed Operation
- Compliance with USB Mass Storage Class, Bulk-Only Transport Specification
- Support ATA/ATAPI PACKET command set
- Support ATA/ATAPI LBA48 addressing mode
- Support 12MHz external crystal
- Support external NVRAM for Vender Specific VID/PID of USB Device Controller
 - 48 pin package support SPI interface EEPROM for External NVRAM
- Embedded 5V to 3.3V and 1.8V voltage regulator
- 48 LQFP and 48 QFN package
 - Support 14 GPIO on 48 LQFP
- Embedded two hardware PWM
 - Two PWM output are located on HDDA and Reserve[2] pins
- Embedded 2K bytes data FIFO for USB data transfer
- Embedded high performance 8-bit MCU
- Support 4K sectors HDD command



Functional Block Diagram



Application



Product Information

Name	Description
JM20329	Hi-Speed USB to SATA Bridge

Design Kit

1	JM20329 Data Sheet
2	JM20329 Design Guide
3	Application EVB

Contact Information

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