MA110

USB 2.0 IDE Controller

Features

➢ USB

- o Fully compatible with USB 2.0/1.1 specification

- o Support USB 2.0 specification for 480Mbit/sec and 12Mbit/sec operation

- o USB Device Class Definition for Mass Storage , Bulk-Transport v1.0

- o USB 2.0 Bus Power & Self Power device spec. compliance

- o Endpoint:
  - Endpoint 0: 64 bytes control transfer.
  - Endpoint 1: 512 bytes bulk transfer for IN transaction.
  - Endpoint 2: 512bytes bulk transfer for OUT transaction.

- o Work with the default driver from Windows, Mac9.2, Mac OS X, Linux2.4.2

➢ Software features
    Backup/Scheduling backup/Restore supporting

➢ ATA IDE Support

- o Complies with ATA/ATAPI-6 Draft Specification

- o Support 28-bit/48-bit addressing

- o Support PIO modes 0,1,2,3,4 and UDMA modes 0,1,2,3,4

- o Support HDD, CD-ROM, CD-RW, CD-COMBO, DVD-ROM, DVD-RW

➢ Embedded memory FIFO for data transfer

➢ User defines VID/PID through writing external EEROM

➢ Integrated 5V to 3.3V/1.8V Voltage Regulator

➢ Integrated PLL with 12MHz crystal input

➢ 48 pin LQFP package

➢ Pin Backward with M110B