

# SIL3811

## Serial ATA to Parallel ATA Module

SIL3811 is a Serial ATA to Parallel ATA device bridge chip. The IDE connector interfaces a Parallel ATA device. By accepting Serial ATA commands from the Serial ATA host interface, commands are decoded and converted to Parallel ATA commands and sent to the Parallel ATA device.

### Specifications

#### Overall Features

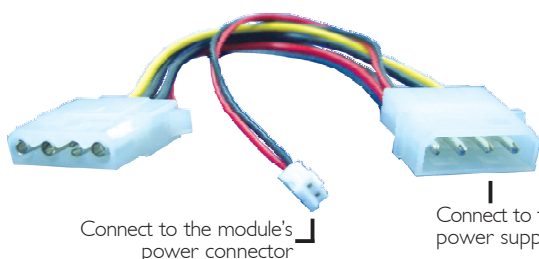
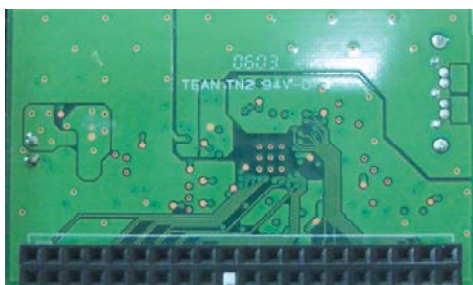
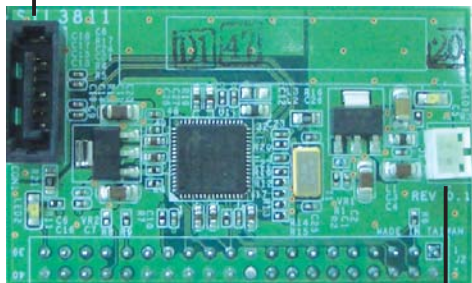
- Standalone Serial ATA to Parallel ATA device bridge chip
- Compliant with ATA specification
- Compatible with Ultra ATA/133
- Fabricated in a 0.18 $\mu$  CMOS process with a 1.8 volt core and 3.3 volt I/Os
- 64-pin QFN with EPAD package
- Transmit drive strength selectable
- Supports ATAPI device
- Supports ATA queued commands

#### Serial ATA Features

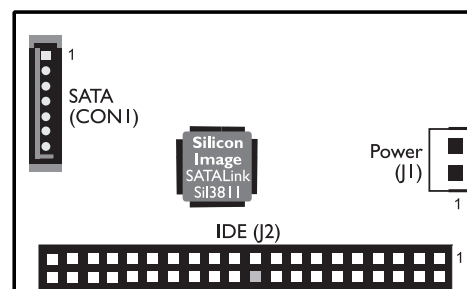
- Integrated Serial ATA Link and Phy logic
- Compliant with Serial ATA 1.0a specifications
- Supports Serial ATA generation I with transfer rate of 1.5Gb/s
- Supports spread spectrum in receiver

### Connecting SIL3811

Serial ATA port



1. Connect the module's IDE connector to the Parallel ATA drive's IDE connector.
2. Connect one end of the Serial ATA cable to a Serial ATA connector on the system board and the other end to the module's Serial ATA port.
3. Using the provided power cable (refer to the lower left figure), connect the 2-pin connector to the module's power connector. Connect the 4-pin connector to the power supply unit.



The IDE connector is on the reverse side.