

## 89KTP0602Q-SATA

### Evaluation Board for 89HP0602Q SATA Repeater, 1-lane, 6Gbps

The 89HP0602Q Repeater SATA Evaluation Board is designed to enable quick in-system testing of IDT's 2-channel, 6Gbps Repeater IC product for SATA applications.

This board provides a 1-lane connection from SATA host through the Repeater to an HDD, SSD or other SATA device. This Evaluation Board is powered from a standard PC supply 3.3V SATA power connector. It is connected via two SATA cables to a host controller and storage device.

The 89HP0602Q Repeater uses pin-strap configuration, and this Evaluation Board implements a three-position DIP switch for simple setting of receiver equalization and transmitter swing and emphasis. Each of the 2-channels is independently configured via the switches.

### Features

- Contains one 89HP0602QZBNLG Repeater that compensates for PCB trace attenuation and ISI jitter
- 1-lane SATA interface card with full protocol support
- Simple configuration via DIP switches
- Independent upstream and down-stream Repeater configuration and optimization
- Multiple power connection options
- Card format: 2.375" x 3.0"

### Product Options

| Orderable Part ID | Part Status | Buy Sample                   |
|-------------------|-------------|------------------------------|
| 89KTP0602Q-SATA   | Active      | <a href="#">Availability</a> |

### Technical Documentation

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| Title                                                                                                 | Format | File Size | Date         |
|-------------------------------------------------------------------------------------------------------|--------|-----------|--------------|
| User Guides & Manuals                                                                                 |        |           |              |
| <a href="#">EBP0602Q SATA Evaluation Board User Manual - Fab # 18-702-000</a>                         | PDF    | 648 KB    | Dec 7, 2010  |
| <a href="#">89EBP0602Q SATA 6.25Gbps Eval Board Manual</a>                                            | PDF    | 664 KB    | Dec 7, 2010  |
| Other                                                                                                 |        |           |              |
| <a href="#">89EBP0602Q-SATA Eval Board Schematics - Fab # 18-702-000 (optimized for printing)</a>     | PDF    | 421 KB    | Nov 29, 2010 |
| <a href="#">89EBP0602Q-SATA Eval Board Schematics - Fab # 18-702-000 (layered for online viewing)</a> | PDF    | 430 KB    | Nov 29, 2010 |

### Related Products

| Product ID                | Title           |
|---------------------------|-----------------|
| <a href="#">89HP0602Q</a> | Signal Repeater |

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### Images

89KTP0602Q SATA Evaluation Board 1-Lane-w-Pin Configuration

