

89KTP0602Q-USB Active

Evaluation Board for 89HP0602Q USB3 Repeater, 1-lane, 5Gbps

The 89HP0602Q Repeater USB3 Evaluation Board is designed to enable quick in-system testing of IDT's 2-channel, 6Gbps Repeater IC product for USB3 applications.

This board provides a 1-lane connection from a USB3 host through the Repeater to an HDD, SSD or other USB3 device. This Evaluation Board is powered from the USB host port. It is connected via two USB3 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 USB3 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-USB	Active	Availability

Technical Documentation

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Title	Format	File Size	Date
User Guides & Manuals			
EBP0602Q USB Evaluation Board User Manual - Fab # 18-702-001	PDF	648 KB	Dec 7, 2010
89EBP0602Q USB3.0 Eval Board Manual	PDF	663 KB	Nov 23, 2010
Other			
89EBP0602Q-USB Eval Board Schematics - Fab # 18-702-001 (optimized for printing)	PDF	182 KB	Nov 29, 2010
89EBP0602Q-USB Eval Board Schematics - Fab # 18-702-001 (layered for online viewing)	PDF	434 KB	Nov 29, 2010
89EBP0602Q USB3.0 Eval Board Schematics	PDF	445 KB	Nov 23, 2010

Related Products

Product ID	Title ▼
89HP0602Q	Signal Repeater

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Images

89KTP0602Q-USB3 Evaluation Board 1-Lane with Pin Configuration

