

89KTP0504UB Active

Evaluation Board for 89HP0504UB Repeater USB3, 4-lane, 5Gbps

The 89HP0504UB Repeater USB3 Evaluation Board is designed to enable quick in-system testing of IDT's 4-channel, 5Gbps USB3 Repeater IC product.

This board provides a 2-lane connection from USB3 host through the Repeater to an HDD, memory stick or other USB3 device. One of the lanes includes an 18-inch trace segment to emulate PCB connectivity. This Evaluation Board is powered from the USB host connector. It is connected using two USB3 cables to a host controller and storage device.

The 89HP0504UB 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 4-channels is independently configured via the switches.

Features

- Contains one 89HP0504UBZBNRG USB3 Repeater that compensates for PCB trace attenuation and ISI jitter
- 2-lane USB3 interface card
- Short and long 18-inch trace path options
- Simple configuration via DIP switches
- Independent upstream and down-stream Repeater configuration and optimization
- Multiple power connection options
- Card format: 2.375" x 4.5"

Product Options

Orderable Part ID	Part Status	Buy Sample
89KTP0504UB	Active	Availability

Technical Documentation

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Title	Format	File Size	Date
User Guides & Manuals			
89EBP0504UB USB3.0 Eval Board Manual	PDF	591 KB	Mar 17, 2011
Other			
 89EBP0504UB Eval Board Schematics - Fab # 18-701-000 (layered for online viewing)	PDF	1.16 MB	Aug 29, 2010
 89EBP0504UB Eval Board Schematics - Fab # 18-701-000 (optimized for printing)	PDF	480 KB	Aug 29, 2010
 89EBP0504UB USB3.0 Eval Board Schematics	PDF	190 KB	Mar 17, 2011

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Product ID	Title ▼
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Images

89KTP0504UB Evaluation Board USB3 2-lane with Pin Configuration

