

89KTPE5T5

Evaluation Board SDK for the 89HPES5T5

The 89KTPE5T5 Evaluation Board (also referred to as EB8T5A*) provides an evaluation platform for the 89HPES8T5A switch. It is also a cost effective way to add a PCIe downstream port (x1) to an existing system with a limited number of PCIe downstream ports. The 89KTPE5T5 eval board is designed to function as an add-on card to be plugged into a x4 PCIe slot available on a motherboard hosting an appropriate root complex, microprocessor(s), and four downstream ports. The 89KTPE5T5 is a vehicle to test and evaluate the functionality of the PES8T5A chip.

Customers can use this board to get a headstart on software development prior to the arrival of their own hardware. The 89KTPE5T5 is also used by IDT to reproduce system-level hardware or software issues reported by customers.

*Note: References to the 89HPES8T5A also apply to the 89HPES6T5 and 89HPES5T5 unless otherwise indicated.

Features

- Hardware**
 - PCIe 5 port switch
 - Upstream, Downstream Port
 - Numerous user selectable configurations set using onboard jumpers and DIP-switches
 - Vaux Support
 - SMBUS Slave Interface (4 pin header)
 - SMBUS Master Interface connected to the Serial EEPROMs through I/O expander
 - “Attention” button for each downstream port to initiate a hot swap event on each port
 - Four pin connector for optional external power supply
 - Push button for Warm Reset
 - Several LEDs to display status, reset, power, “Attention”, etc.
 - One 14-pin JTAG header
- Software**
 - Installation programs
 - GUI based application for Windows and Linux

Product Options

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Orderable Part ID	Part Status	Buy Sample
89KTPE5T5	Active	Availability

Technical Documentation

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Title	Other Languages	Type	Format	File Size	Date
User Guides & Manuals					
PCI Express Browser Rev 5.0.2 User Manual	-	Manual	PDF	2.49 MB	Dec 2, 2010
EB8T5A Eval Board User Manual - Fab # 18-636-002	-	Manual - Eval Board	PDF	2.57 MB	Jul 22, 2009
Other					
IDT PCI Express Solutions Overview	日本語, 简体中文	Overview	PDF	768 KB	Apr 19, 2017
89EBPES8T5A Eval Board OrCAD Schematics - Fab # 18-636-001	-	Schematic	ZIP	917 KB	Oct 25, 2007

Software & Tools

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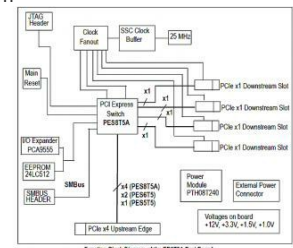
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Images

89KTPE5T5 Evaluation Board Functional Diagram



Title		Other Languages	Type	Format	File Size	Date
PCI Express Browser Rev 5.0.2 Windows Installation - Digitally Signed		-	Software Tool	ZIP	104.57 MB	Jun 16, 2011
PCI Express Browser Rev 5.0.2 Windows Installation		-	Software Tool	ZIP	54.45 MB	Dec 2, 2010
PCI Express Browser Rev 4.9 Linux Installation		-	Software Tool	ZIP	48.85 MB	Jan 18, 2009

Related Products

Product ID	Title ▼
89HPES5T5	5-lane, 5-port PCIe I/O Expansion Switch