

89KTPES4T4

Evaluation Board SDK for the 89HPES4T4

The 89EBPES4T4 Evaluation Board (also referred to as EB4T4) provides an evaluation platform for the PES4T4 switch and the PES3T3 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 EB4T4 evaluation board is designed to function as an add-on card to be plugged into a x1 PCIe slot available on a motherboard hosting an appropriate root complex, microprocessor(s), and three downstream ports. The EB4T4 is a vehicle to test and evaluate the functionality of the PES4T4 chip. Customers can use this board to get a head start on software development prior to the arrival of their own hardware. The EB4T4 is also used by IDT to reproduce system-level hardware or software issues reported by customers.

Features

Hardware

- PES4T4 PCIe 4 port switch
- Upstream, Downstream Port
- Numerous user selectable configurations set using onboard jumpers and DIP-switches
- Vaux Support
- 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 10-pin JTAG connector (pitch 2.54 mm x 2.54 mm)

Software

- Installation programs
- GUI based application for Windows and Linux

Product Options

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89KTPES4T4	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
89EBPES4T4 Eval Board User Manual - Fab # 18-637-001	-	Manual - Eval Board	PDF	1.83 MB	Oct 6, 2008
Other					
IDT PCI Express Solutions Overview	日本語 , 简体中文	Overview	PDF	768 KB	Apr 19, 2017

Software & Tools

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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

DOWNLOAD MANUAL - EVAL BOARD



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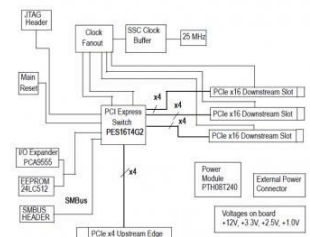
TECHNICAL SUPPORT 

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Images

89KTPES4T4 Eval Board Functional Diagram



Title		Other Languages	Type	Format	File Size	Date
PCI Express Browser Rev 4.9 Linux Installation		-	Software Tool	ZIP	48.85 MB	Jan 18, 2009

Related Products

Product ID	Title ▼
89HPES4T4	4-lane, 4-port PCIe I/O Expansion Switch