89KTPES48H12G2 Active

Evaluation Board SDK for the 89H48H12G2

The 89KTPES48H12G2 evaluation board (also referred to as EB48H12G2) provides an evaluation platform for the 89HPES48H12G2 switch. It is also a cost effective way to add PCIe ports (slots) to an existing system with limited number of PCIe ports/slots. The 89KTPES48H12G2 board is designed to function as an add-on card to be plugged into a x8 PCIe slot available on a motherboard hosting an appropriate root complex and microprocessor(s). The 89KTPES48H12G2 is a vehicle to test and evaluate the functionality of the PES48H12G2 switch. It is also designed to work with the 89HPES48H12 (Gen 1) switch.

Customers can use this board to get a headstart on software development prior to the arrival of their own hardware. The 89KTPES48H12G2 evaluation boardis also used by IDT to reproduce system-level hardware or software issues reported by customers.

Features

- **Hardware**
  - PES48H12G2 PCIe Gen2 switch
  - Upstream, Downstream Port
  - Numerous user selectable configurations set using onboard jumpers and DIP-switches
  - 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 10-pin JTAG connector (pitch 2.54 mm x 2.54 mm)
- **Software**
  - Installation programs
  - GUI based application for Windows and Linux

Product Options

SHOW ALL COLUMNS

Orderable Part ID	Part Status	Buy Sample
89KTPES48H12G2	Active	Availability

Technical Documentation

SHOW ALL COLUMNS

Title	Other Languages	Type	Format	File Size	Date
User Guides & Manuals					
89EBPES48H12G2 Eval Board User Manual - Fab # 18-677-000	-	Manual - Eval Board	PDF	2.98 MB	May 6, 2009
PCI Express Browser Rev 5.0.2 User Manual	-	Manual	PDF	2.49 MB	Dec 2, 2010
Other					
IDT PCI Express Solutions Overview	日本語, 简体中文	Overview	PDF	768 KB	Apr 19, 2017

Software & Tools

SHOW ALL COLUMNS

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

DOWNLOAD MANUAL - EVAL BOARD

Quick Links

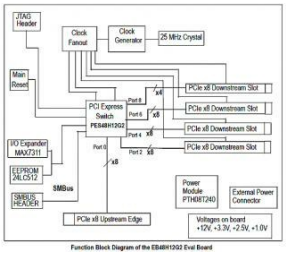
Product Options
Technical Documentation
Software & Tools
Related Products

Tools & Support

TECHNICAL SUPPORT
REQUEST INFORMATION
CONTACT A SALES REPRESENTATIVE

Images

89KTPES48H12G2 Evaluation Board Functional Diagram



Function Block Diagram of the EB48H12G2 Eval Board

Title	Other Languages	Type	Format	File Size	Date
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
89H48H12G2	48-lane, 12-port PCIe Gen2 System Interconnect Switch

 © 2017 Integrated Device Technology, Inc.