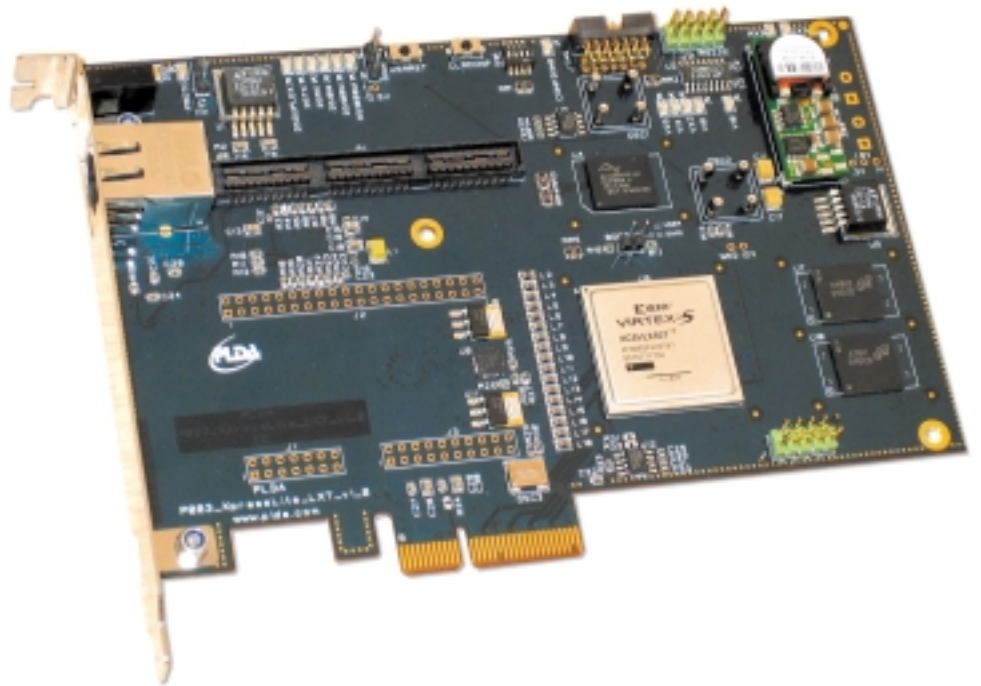


XpressV5LC

PROTOTYPING BOARD FOR PCIe



PCI Express XpressV5LC Board for Xilinx Virtex5



Applications

- PCIe x1, x4 Endpoint
- PCIe x1, x4 Cabling
- FPGA Prototyping
- Based on the Xilinx Virtex5 device

Benefits

Secure & Proven Solution:

- PCI-SIG compliant product
- Includes PCI-SIG Compliant IP Core for PCIe
- Extensive Validation testing

Minimize time to market:

- Includes FREE PLDA PCIe Testbench
- Support directly from the IP design team
- Immediate design and testing of Endpoint projects

www.plda.com

PCI EXPRESS®



> Features

- Xilinx Virtex5 XC5VLX50TFFG665
- PCI Express 4 lanes
- High-Speed Interface for PLDA or custom interface
- 32M x 32 DDR2 SDRAM
- 2 FPGA configurations programmable through PCIe .
- User Flash: 16MB
- PCIe ref design
- DDR2 test design
- ISE WebPACK free edition software
- Gigabit Ethernet
- Optional daughterboards available:
 - > **SFP daughterboard** : 2 SFP connectors available on daughterboard & 1 Gigabit link on SMA connector (Ordering Code SFP_HSI)
 - > **Camera Link**: interface for vision application (Ordering Code KLINK_BASE)
 - > **PCIe x1 and x4 cabling** : interface for PCIe cabling Upstream or Downstream (Ordering Code PCIEC4_U, PCIEC4_D)

> Deliverables

- XpressV5LC Board
- XpressFlashPCIe software
- Technical support and maintenance
- Complete documentation :
 - > XpressV5LC Reference Manual
 - > Getting Started Guide
 - > Schematics
 - > XpressV5LC Build History

PLDA (PLDA – www.plda.com) designs and sells a wide range of FPGA and ASIC interfacing solutions for the PCI and derivative markets (PCI Express, PCI-X, CompactPCI, and PC104/PC104+).

We provide complete solutions to a global market, including IP cores, hardware, software, consulting services, and comprehensive technical support provided directly by the IP designers.

Our success is driven by our expertise in designing Intellectual Property Cores and related boards for ASICs, Structured-ASICs, and FPGAs for high-speed busses, including: PCI Express, PCI-X, PCI, PXI, AHB-PCI.

Founded in 1996, PLDA is headquartered in Aix-en-Provence, France and has offices in San Jose, California. Its products are available worldwide through a strong distribution.



WWW.PLDA.COM

San Jose, USA
(408) 273-4528

**Aix-en-Provence,
France**
+33 442 393 600