


## PCI Bridge Chip 32bit 66MHz 128-Pin LQFP

<b>Manufacturer:</b>	<a href="#">Diodes Inc</a>
<b>Package/Case:</b>	LQFP-128
<b>Product Type:</b>	Drivers
<b>RoHS:</b>	RoHS Compliant/Lead free 
<b>Lifecycle:</b>	Active



Images are for reference only

[Inquiry](#)

## General Description

### Key Features

Fully Reversible

Forward – PCIe primary, PCI secondary o Reverse

PCI primary, PCIe secondary

Maximum Payload Size – Up to 512 bytes

Ultra Low Power Modes

Critical for mobile applications

Support for up to 4 PCI Bus Masters

Two level internal arbitration

GPIO Support 4 dedicated bi-directional

Typical Power: < 460mW

When external arbiter is used:

4 additional outputs

4 additional inputs

Masquerade support

User defined vendor, device, revision, subsystem device, and subsystem vendor ID

Large 10KB Buffer

4KB for upstream reads, 2KB for downstream reads & 2KB for writes per port

Access to Extended Configuration Registers From PCI side in Reverse Mode

Tiny 14 x 14mm, 128-pin QFP Package

PCI Express

Virtual Isochronous Support

Upstream TC 1 – 7 generation

Downstream TC 1 – 7 mapping

16-bit CRC, LCRC (32-bit)

ECRC and Advanced Error Reporting

Error Forwarding (Data Poisoning)

Lane Reversal (Polarity Toggle)

VDDAUX Support (1.0V)

PCI

3.3V Signaling with 5V I/O Tolerance

PME# Support

16-bit Address Decode for VGA

VAUX Support (3.3V)

Hot Plug Support

Subsystem Device and Subsystem Vendor ID

MSI and INT Support

SM Bus

PHY, data link, network layer, PEC, ARP, etc.

I2C Serial EEPROM Support

## Recommended For You

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### PI7C8150BMAE

Diodes Inc

QFP208

### PI7C8154BNAE

Diodes Inc

BGA

### PI7C8150BNDE

Diodes Inc

BGA

### PI7C9X112SLFDE

Diodes Inc

QFP

### PI7C9X2G404EVAZXAEX

Diodes Inc

VFQFN136

### PI7C9X2G304SLBFDEX

Diodes Inc

LQFP128

**PI4IOE5V9535LEX**

Diodes Inc

TSSOP24

**PI3EQX8904ZHEX**

Diodes Inc

QFN

**PI6ULS5V9617AUEX**

Diodes Inc

MSOP8

**PI7C9X2G304ELZXAE**

Diodes Inc

QFN

**PI7C9X2G404SLBFDEX**

Diodes Inc

LQFP-128

**PI4IOE5V6408ZTAEX**

Diodes Inc

16-UFQFN

**PI7C9X2G304SLBFDE**

Diodes Inc

LQFP-128

**PI7C9X3G606GPBFCAEX**

Diodes Inc

TQFN40

**PI7C8154ANAE**

Diodes Inc

BGA