

PCI Bridge Chip 66MHz 256-Pin BGA

Manufacturer: [Diodes Inc](#)

Package/Case: BGA

Product Type: Drivers

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active



Images are for reference only

[Inquiry](#)

General Description

Key Features

Fully Reversible

Forward – PCIe primary, PCIX secondary

Reverse – PCIX primary, PCIe secondary

Maximum Payload Size – Up to 512 bytes

Industrial Temp Compliant (-40C ~ +85C)

Transparent and Non-transparent mode

GPIO Support

7 dedicated bi-directional

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 upstream writes

2KB for downstream reads & 2KB for downstream writes

17 x 17mm, 256-pin PBGA, 1mm Ball Pitch

PCI Express Features

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)

Polarity Toggle VDDAUX Support (1.8V)

Hot Plug Support

PCI/PCIX

Two Level Internal Arbitration

Support for up to 6 PCI and 2 PCIX bus masters

3.3V Signaling with 5V I/O Tolerance

PME# Support

16-bit Address Decode for VGA

CLKRUN# Support

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

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

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BGA