

## NET2272 Key Features

- ◆ Hi-Speed USB 2.0 Peripheral Port
- ◆ Fully backwards compatible to Full-Speed USB connections
- ◆ Virtual Comm Firmware available
- ◆ Sustained throughput up to 40Mbytes/sec
- ◆ Lowest active power requirements (148mW)
- ◆ Lowest standby power (0.6uW)
- ◆ Variable I/O voltage (2.5V to 5.0V)
- ◆ 6x6mm, 64 ball, Lead Free BGA Package



Actual Size



## Application: **Mobile Phones**

## PLX Product: **NET2272 – USB 2.0 Hi-Speed Device Controller**

### Hi-Speed USB 2.0 for Mobile Phones

Most mobile phones today support a Full-Speed USB connection. This popular standard is used for transferring contact and calendar information from a PC, storing pictures from a mobile phone onto a PC, and using the mobile phone as an internet gateway for a laptop computer.



However, as mobile phones continue to embrace rich content (high resolution pictures, videos, mp3s, etc.) and network speeds continue to increase, the need for a faster transfer mechanism to the PC is required.

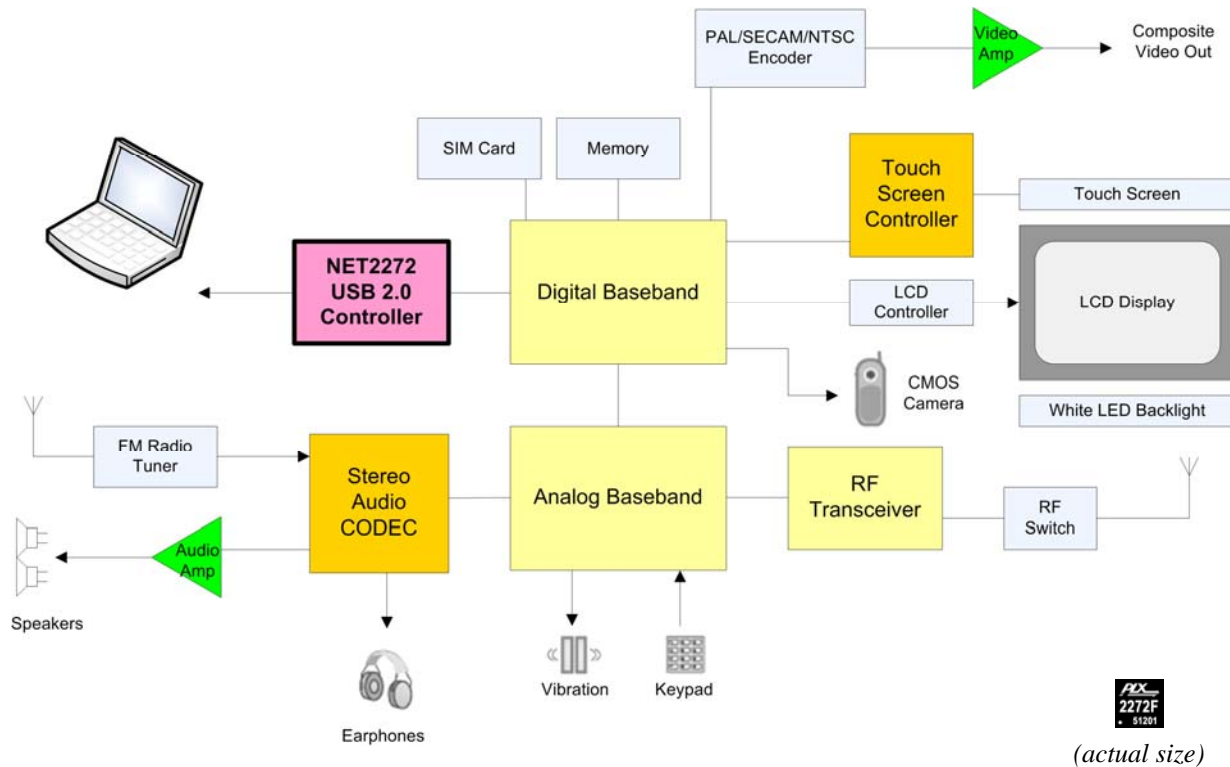
Hi-Speed USB 2.0 is a natural fit. It offers 40 times the transfer speed of Full-Speed USB, it is compatible with all existing Full-Speed USB software, and it is already widely deployed in other applications like Portable Video Players, Printers, High End Digital Cameras and other products.

### Using the NET2272 USB 2.0 Controller

The PLX Technology NET2272 Local Bus to USB 2.0 Hi-Speed Peripheral Controller is optimized for mobile phone applications. It easily connects to most mobile phone chip sets without glue logic. Its I/O bus can run at 2.5V, the I/O voltage used by many mobile phone digital baseband chips.



The NET2272 is the fastest, smallest, and lowest powered USB 2.0 peripheral controller of its kind. Furthermore, PLX supplies communications class firmware with the NET2272, allowing it to connect to standard PC communications software without the need for any additional drivers.



(actual size)

Block Diagram of a Typical Multimedia Mobile Phone

## Additional PLX Advantages

- ◆ Superior USB 2.0 expertise and support
- ◆ Wide Range of Application Notes
- ◆ Schematic and Layout Design Reviews
- ◆ USB 2.0 Compliance Testing
- ◆ PCI Based Development Systems
- ◆ Complete firmware library for many standard USB devices (including communications class), and APIs for custom applications
- ◆ Supported in Windows, WinCE, and Linux

## Design Tools & Documentation:

<http://www.plxtech.com/products/NET2000/NET2272/default.asp>

- ◆ DataBook, Application Notes, Performance Reports, Migration Guide, Design Guidelines, Video Demos, etc.

## Contact Information

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