USB to Parallel

KL5KUSB106
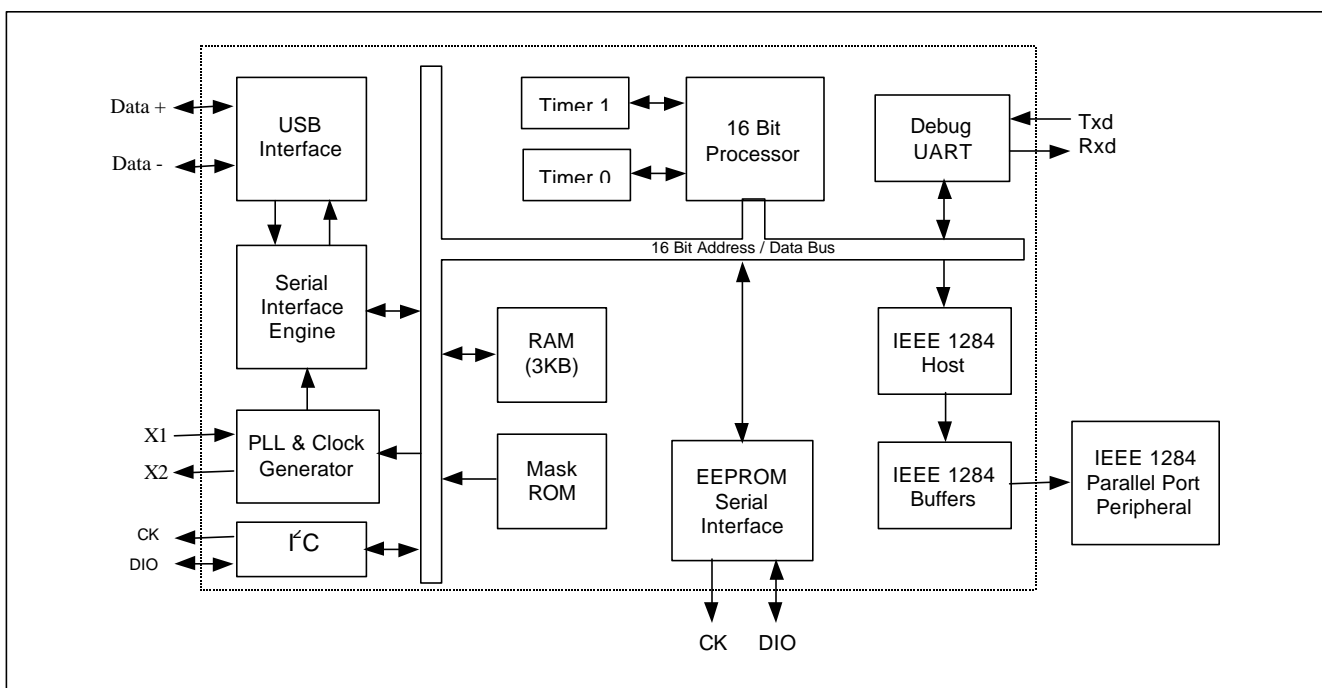
Description

The Kawasaki USB to Parallel enables your system to have the capability to communicate between the USB (Universal Serial Bus) port and parallel port. This device meets the USB 1.0/1.1 and IEEE 1284 enhanced parallel port specifications. All the advantages of USB are available to peripherals with parallel port interface. With Kawasaki's USB to Parallel device and software, it is transparent to the peripheral and no firmware changes are required which makes it possible to convert peripherals with parallel interface to USB interfaces with minimum modifications.

Features

- Advanced 16 Bit processor for USB transaction processing and control data processing
- Compliant with the USB 1.0/1.1 (Universal Serial Bus)
- Plug and Play compatible
- Compliant with USB printer device class specification
- Utilizes low cost external crystal circuitry
- 1.5K x 16 internal RAM buffer for fast communications
- USB host device drivers available

- Single-chip solution in a 100 pin QFP
- PC parallel port register-based standard operation
- Multiple logical channels support
- Maximum throughput: 1.216 Mbytes/s
- Compatible with Microsoft Windows printer drivers
- I^2C interface
- Debug UART for debug and code development

Block Diagram

USB to Parallel

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Ver. 2.1

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