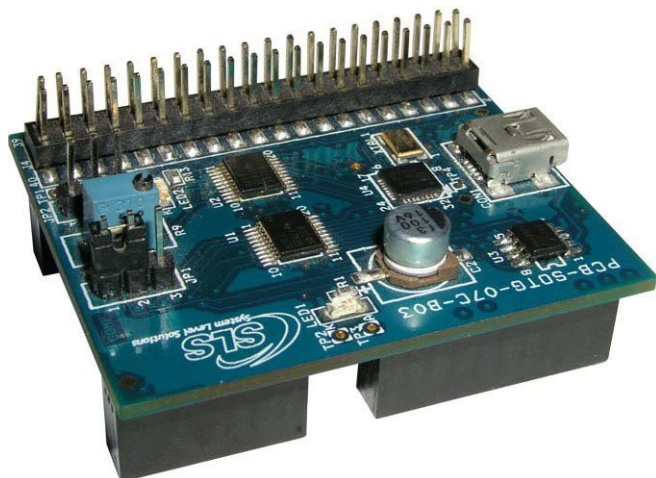


Snap On Board USB 2.0 ULPI/OTG

The USB 2.0 (ULPI/OTG) Snap On Board is designed to provide connectivity between USB 2.0 Host / OTG controller and USB 2.0 Device IP core. The Snap On board provides a fast, versatile, and easy-to-use communication path for data exchange between the device and host. The board provides complete Hi-Speed USB 2.0 physical front-end solution that supports high-speed (480 Mbit/s), full-speed (12 Mbit/s) and low-speed (1.5 Mbit/s).



Deliverables

- USB 2.0 ULPI Snap On Board
- USB 2.0 ULPI CABLE
- Installation CD
 - USB20HR IP Core, OpenCore Plus Evaluation Version
 - USB20HF IP Core, OpenCore Plus Evaluation Version
 - USB20HC IP Core, OpenCore Plus Evaluation Version
 - Board Reference Manual

The board works seamlessly with the following SLS USB 2.0 IP Cores. Download the IP Cores from:

- USB 2.0 Device with Avalon Interface - ULPI Support (USB20SR), <http://www.slscorp.com/ip-cores/communication/usb-20-device/usb20sr.html>

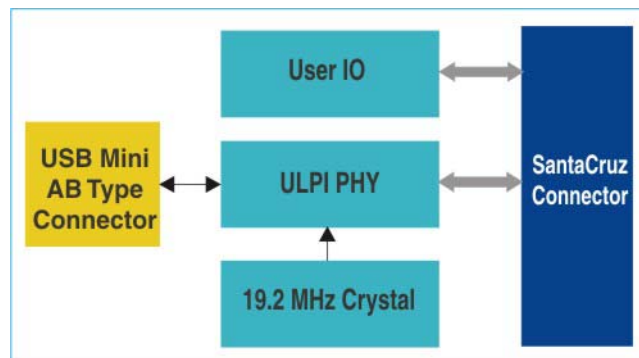
USB 2.0 Device with FIFO Interface - ULPI Support (USB20HF), <http://www.slscorp.com/ip-cores/communication/usb-20-device/usb20hf.html>

USB 2.0 Host Controller - (USB20HC), <http://www.slscorp.com/ip-cores/communication/usb-20-host.html>

Board Features

- Operates in Low Speed (1.5 Mbps), Full Speed (12Mbps) and High Speed (480Mbps)
- ULPI PHY Chip - NXP ISP1504
- Serial to Parallel and Parallel to Serial conversion
- Provides 8-bit bidirectional data interface
- A current limited External VBUS Power Switch with thermal shutdown
- USB Mini AB-type connector
- One Power LED and one User LED
- Standard SantaCruz interface and GPIO interface support
- Fully complies with:
 - Universal Serial Bus Specification Rev. 2.0
 - On-The-Go Supplement to the USB 2.0 Specification Rev. 1.2
 - UTMI+ Low Pin Interface (ULPI) Specification Rev. 1.1

Block Diagram



For more information on USB 2.0 ULPI Snap On board, visit <http://www.slscorp.com/products/santacruz-snap-on-board/usb-20-ulpi.html>

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