HSMC to Santa Cruz / USB / Mictor Card

1. Overview

SUM (HSMC to Santa Cruz / USB / Mictor Daughter Board) is an adapter board to convert High Speed Mezzanine Connector (HSMC) interface to Santa Cruz (SC), USB, Mictor, and SD Card interface. It allows users to use these interface on a host board with a HSMC connector.

Because of limited I/O numbers of the HSMC interface, the SC interface and USB port have to share the same I/O pins. Users can choose which interface to be enabled by jumper selection.
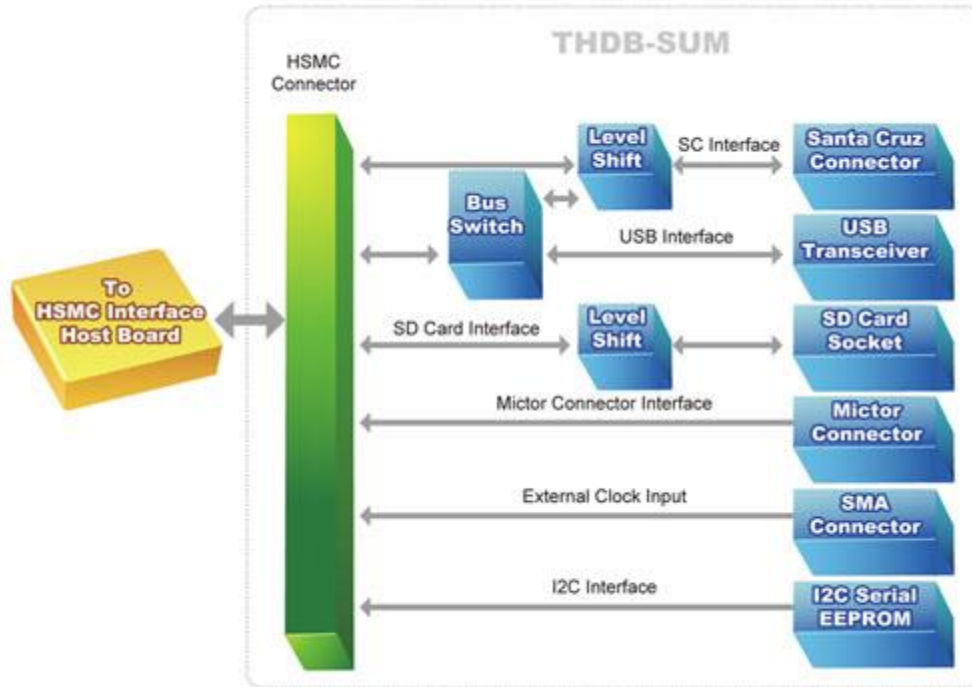
Finally, the source signals from the HSMC interface to the SC header on the SUM board will be passed through level shifters to adjust the logic level difference between the HSMC and SC interface board.

2. Specification

- One HSMC connector for interface conversion
- One SC interface
- Adjustable logic levels between HSMC and SC interface signals
- One Hi-Speed USB On-The-Go transceiver

- **Company: Terasic**
- **Tel: +886-3-5750880**
- **Fax:+886-3-5726690**
- **Add: 9F., No.176, Sec.2, Gongdao 5th Rd, East Dist, Hsinchu City, 30070. Taiwa**

- One Mictor Connector
- One SMA Connector for external clock input
- One SD Card Socket
- Size：78.11x69mm

Block diagram

Connectivity

The SUM connects with Altera Cyclone III Start Board

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The SUM connects with Altera Cyclone III FPGA Development Board

3. Kit content

One SUM Board

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