September 2009

# FSA800 — USB2.0 High-Speed (480Mbps), UART, and Audio Switch with Negative Signal Capability

#### **Features**

- 3:1 Switch Handles:
  - Audio Headsets
  - UART
  - High- and Low-Speed USB Data
- USB Charger Detection and Indication
- Negative-Swing-Capable Audio Channel
- Built-in Termination Resistors for Audio Pop Reduction
- Simple Switch Control Using Three Select Pins
- 28V Over-Voltage Tolerance on V<sub>BUS</sub>

### Applications

Cell Phones, MP3 Players, PDAs

#### Description

The FSA800 is a 3:1 USB accessory switch that enables USB data, stereo and mono audio, microphone, and UART data to share a common connector port. It is designed for high-speed USB 2.0 signaling. The architecture is designed to allow audio signals to swing below ground so a common USB and headphone jack can be used for personal media players and portable peripheral devices.

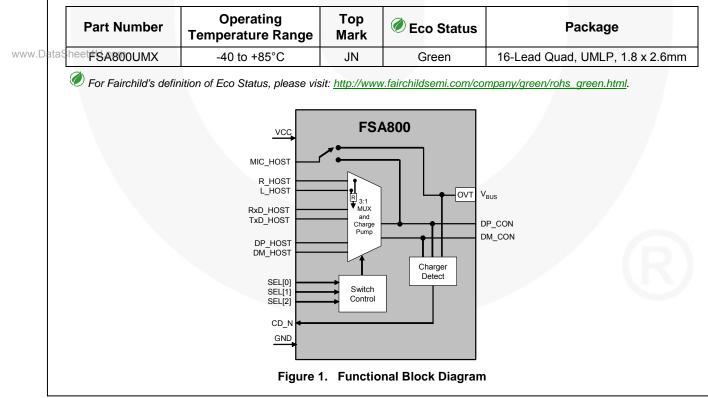
FSA800 detects wall chargers through a dedicated pin that provides the baseband with charger detection.

The FSA800 meets both USB Rev. 2.0 and micro-USB specifications.

## **IMPORTANT NOTE:**

For additional performance information, please contact <u>analogswitch@fairchildsemi.com</u>.

#### **Ordering Information**





SA800

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Not In Production

The datasheet is for reference information only.