FAIRCHILD SEMICONDUCTOR®

March 2010

FSA805 — USB2.0 High-Speed (480Mbps), UART, and Audio Switch with Negative Signal Capability

Features

- 3:1 Switch Handles:
- Audio Headsets
- UART
- Up to 2 High-Full and Low-Speed USB Data
- Negative-Swing-Capable Audio Channel
- Built-in Termination Resistors for Audio Pop Reduction
- Simple Switch Control Using Two Select Pins

Applications

- Cell Phones, MP3 Players, PDAs

Description

The FSA805 is a 3:1 USB accessory switch that enables USB data, stereo/mono audio, 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 (to -0.8V) so a common USB and headphone jack can be used for personal media players and portable peripheral devices.

The FSA805 meets both USB Rev. 2.0 and micro-USB specifications.

Ordering Information

Part Number	Operating Temperature Range	Top Mark	Eco Status	Package
FSA805UMX	-40 to +85°C	JZ	Green	12-Lead Quad, UMLP, 1.8x1.8mm

For Fairchild's definition of Eco Status, please visit: http://www.fairchildsemi.com/company/green/rohs_green.html.

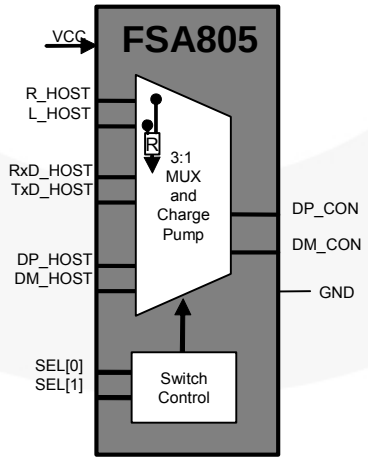


Figure 1. Functional Block Diagram

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Rev. I47

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