

FSA2367 — Low R_{ON} (0.75 Ω) Triple-SPDT, **Negative-Swing Audio Source Switch**

Features

FAIRCHILD SEMICONDUCTOR

- 10µA Maximum I_{CCT} Current Over Expanded Control Voltage Range (VIN=2.6V, VCC=4.3V)
- On Capacitance 55pF Typical (C_{ON})
- . 0.75Ω Typical On Resistance (R_{ON})
- Common Ports 1A, 2A, 3A with Negative Swing Audio to -2V
- -3db Bandwidth: > 150 MHz
- . Low Power Consumption (1µA Maximum)
- Power-Off Feature for 1A/2A/3A Pin ($I_{IN} < 2\mu A$) .
- Packaged in Pb-Free 14-Pin TSSOP and DQFN

Applications

- Cell Phone, PDA, Digital Camera, and Notebook
- LCD Monitor, TV, and Set-Top Box

Ordering Information

Description

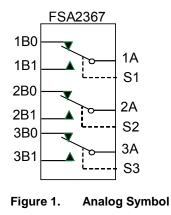
The FSA2367 is a triple Single-Pole Double-Throw (SPDT) switch that multiplexes three sources of data or audio under independent control pins. The FSA2367 has special circuitry on the 1A, 2A, 3A pins that allows a power-off feature. With the V_{CC} supply removed and a voltage on the 1A/2A/3A pins, there is minimal leakage current into the 1A/2A/3A data pins. In addition, the FSA2367 also features very low guiescent current to extend battery life. The low guiescent current allows mobile handset applications direct interface with the baseband processor general-purpose I/Os. Typical applications involve switching in portables and consumer applications such as cell phones, digital cameras, and notebooks with hubs or controllers.

IMPORTANT NOTE:

For additional performance information, please contact analogswitch@fairchildsemi.com.

Part Number Top Mark Pb-Free Package 14-Terminal Depopulated very thin Quad Flat-pack No leads FSA2367BQX 2367 Yes (DQFN) 2.5 x 3.0mm, JEDEC MO-241 14-Lead Thin Shrink Small Outline Package (TSSOP), 4.4mm FSA2367MTCX FSA2367 Yes Wide, JEDEC MO-153

Analog Symbol



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PRODUCT STATUS DEFINITIONS

Definition of Terms

Datasheet Identification	Product Status	Definition	
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Preliminary	First Production	This datasheet contains preliminary data; supplementary data will be published at a later date. Fairchild Semiconductor reserves the right to make changes at any time without notice to improve design.	
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Rev. 123