**FAIRCHILD**

SEMICONDUCTOR®

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# FSA2357 — Low R$_{ON}$ 3:1 Analog Switch

## Features

- 10µA Maximum I$_{CCT}$ Current Over an Expanded Control Voltage Range: V$_{IN}$=2.6V, V$_{CC}$=4.5V

- On Capacitance (C$_{ON}$): 70pF Typical

- 0.55Ω Typical On Resistance (R$_{ON}$)

- -3db Bandwidth: > 120MHz

- Low Power Consumption (1µA maximum)

- Packaged in Pb-Free 14-Pin TSSOP and DQFN

- Priority Enable Control Circuitry

## Applications

- HDMI 5V Power Routing, LCD Monitor, TV, and Set-Top Box

- Cell Phone, PDA, Digital Camera, and Notebook

## Description

The FSA2357 is a Double-Pole, Triple Throw (DP3T) multiplexer that routes three dual-channel sources of data or audio under the control of three select pins. The FSA2357 features very low quiescent current, which 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.

## Ordering Information

| Part Number | Top Mark | Packing Description |
|---|---|---|
| FSA2357BQX | 2357 | 14-Terminal Depopulated very thin Quad Flat-pack No leads (DQFN) 2.5 x 3.0mm, JEDEC MO-241 |
| FSA2357MTCX | FSA2357 | 14-Lead Thin Shrink Small Outline Package (TSSOP) 4.4mm wide, JEDEC MO-153 |

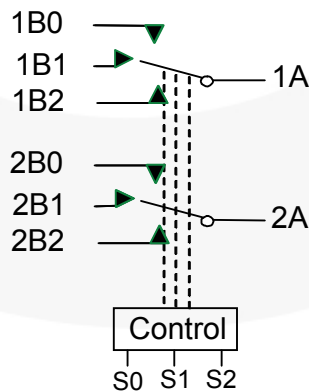All packages are lead free per JEDEC: J-STD-020B standard.

## Analog Symbol



**Figure 1.    Analog Symbol**

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| | | SuperSOT™-8 | |

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## PRODUCT STATUS DEFINITIONS

### Definition of Terms

| Datasheet Identification | Product Status | Definition |
|---|---|---|
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