查询FSA1208供应商 捷多邦，专业PCB打样工厂，24小时加急出货

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FAIRCHILD SEMICONDUCTOR®

June 2008

FSA1208
Low-Power, Eight-Port, High-Speed Isolation Switch

Features

- Low On Capacitance: 6pF Typical
- Low On Resistance: 15Ω Typical
- Low Power Consumption: 1µA Maximum
- 10µA Maximum I_{CCT} over an Expanded Voltage Range (V_{IN}=2.3V, V_{CC}=4.3V)
- Wide -3db Bandwidth: > 400MHz
- Packaged in Space-Saving 20-Lead MLP (2.5x4.5mm)
- 8kV ESD Rating; >16kV Power/GND ESD Rating
- Low C_{OFF} Capacitance: 2.5pF Typical

Applications

- DIMM DDR Memory

IMPORTANT NOTE:

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

Description

The FSA1208 is a low-power, eight-port, high-speed switch. This part is configured as a single-pole, single-throw switch and is optimized for isolating a high-speed source, such as a DDR memory bus. The FSA1208 features an extremely low on capacitance (C_{ON}) of 6pF. Superior channel-to-channel crosstalk minimizes interference.

The FSA1208 contains special circuitry on the A & B pins that allows the device to withstand an over-voltage condition. This device is also designed to minimize current consumption even when the control voltage applied to the /OE pin is lower than the supply voltage (V_{CC}). Applications include port isolation and switching in DDR memory modules, portable cell phones, PDAs, digital cameras, printers, and notebook computers.

Ordering Information

Part Number	Top Mark	Operating Temperature Range	Package	Eco Status
FSA1208BQX	F1208	-40 to +85°C	20-Lead, Quad, Molded Leadless Package (MLP), 2.5x4.5mm	Green

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

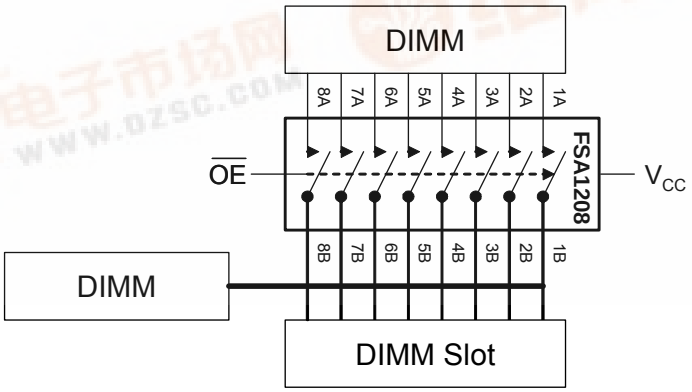

Figure 1. Analog Symbol

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Definition of Terms

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No Identification Needed	Full Production	This datasheet contains final specifications. Fairchild Semiconductor reserves the right to make changes at any time without notice to improve the design.
Obsolete	Not In Production	This datasheet contains specifications on a product that is discontinued by Fairchild Semiconductor. The datasheet is for reference information only.

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