LDS6124 Obsolete

8 Channel Capacitive Touch Controller with Integrated LED Driver

The LDS6124 PureTouch® capacitive touch sensor IC is a highly integrated solution that includes an integrated keypad LED driver with integrated visual effects. The device contains 8 capacitive sensor input pins, 4 of which may also be optionally configured for use as keypad LED drivers, with the other 4 optionally configurable as Direct Communication Mode (DCM) outputs to emulate mechanical button operation.

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Features

- 8 touch sensor channels
- 2ms update rate per active sensor
- Built-in Slider/Scroll Support
- Configurable hysteresis and debounce
- Integrated LED drivers with configurable visual effects
- 1.65-5.5v supply voltage
- <125uW (full power), <50uW (low power)
- I2C, SPI, SMBus serial I/F options with VDDIO
- DCM Outputs
- TQFN and SSOP packages available

Product Options

Orderable Part ID	Pkg. Code	Pkg. Type	Lead Count (#)	Temp. Grade	Pb (Lead) Free	Carrier Type	Buy Sample
LDS6124NQGI8	NQG28	VFQFPN	28	I	Yes	Reel	Availability
LDS6124PYGI8	PYG28	SSOP	28	I	Yes	Reel	Availability

Technical Documentation

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Title	Format	File Size	Date
Datasheets & Errata			
LDS6100 Family Datasheet (Rev 0.7 April 2012)	PDF	711 KB	Apr 27, 2012
Application Notes			
LDS610x Family AN2 Ref Code and Initialization	PDF	56 KB	Dec 11, 2012
PCNs & PDNs			
PDN# : PA-12-02R1 PRODUCT DISCONTINUANCE NOTICE	PDF	56 KB	Jul 24, 2013
Other			
IDT Pure Touch Product Selector Guide	PDF	19 KB	Mar 2011
LDS6104-6124 Register Document (Rev 0.2 - Apr 2010)	PDF	227 KB	2010
IDT Touch 6100/6120 Family flyer	PDF	1022 KB	Dec 17, 2009

Quick Links

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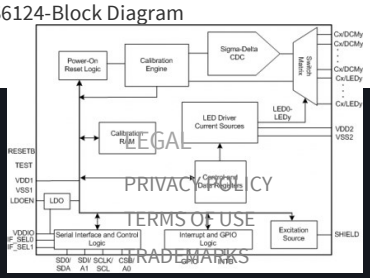
Tools & Support

- TECHNICAL SUPPORT
- QUALITY/PACKAGE SUPPORT
- SALES SUPPORT
- CONTACT A SALES REPRESENTATIVE

Images

LDS6124-Block Diagram



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