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LDS6108 Obsolete

16 Channel Capacitive Touch Controller

The LDS6108 PureTouch® capacitive touch sensor IC is a highly accurate solution for capacitive touch sensor applications, supporting a wide variety of possible touch input types including buttons, scroll wheels, and sliders. The device contains 16 capacitive sensor input pins, 8 of which may be optionally configurable as Direct Communication Mode (DCM) outputs to emulate mechanical button operation.

Features

- 16 touch sensor channels
- 2ms update rate per active sensor
- Built-in Slider/Scroll Support
- Configurable hysteresis and debounce
- 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
LDS6108NQG18	NQG40	VFQFPN	40	I	Yes	Reel	Availability
LDS6108PVG18	PVG48	SSOP	48	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)		711 KB	
LDS610x Family AN2 Ref Code and Initialization			
PCNs & PDNs			
PDN# : PA-12-02R1 PRODUCT DISCONTINUANCE NOTICE	PDF	56 KB	
Other			
IDT Pure Touch Product Selector Guide	PDF	19 KB	
LDS6108-6128 Register Document (Rev 0.2 - Apr 2010)	PDF	240 KB	
IDT Touch 6100/6120 Family flyer	PDF	1022 KB	Dec 17, 2009

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Images

LDS6108-Block Diagram

