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Product Quick Links

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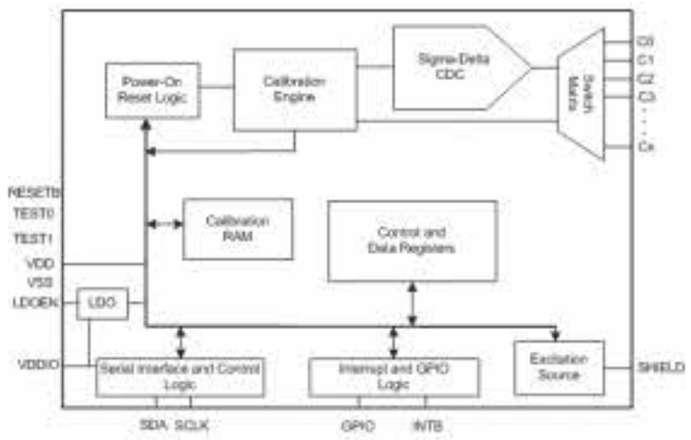
LDS6204
8-Channel Capacitive Touch Controller

The LDS6204 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 8 capacitive sensor input pins and supports enhanced functionality including proximity-sensing and power-on touch detection.



Features

- 8 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 compatible serial I/F with VDDIO
- Power on touch detection
- Enhanced proximity sensing
- TQFN and SOIC packages available

Product Specification

Touch Voltage (V)	Touch Sensors (#)	Scan Rate (ms)	Auto Calibration	Hyst / Debounce Config	Enh Prox Sense	field__power_on_touch_detect_yn	Interface	I/O Voltage (V)	GPIOs (#)	DCM Outputs (#)	Pkg. Type
1.65 - 5.50	8	2.00 - 16.00	Y	Y	Y		I2C	1.65 - 5.50	1		SOIC, VFQFPN

Product Options

Orderable Part ID	Pkg. Code	Pkg. Type	Lead Count (#)	Temp. Grade	Pb (Lead) Free	Carrier Type	Sample & Buy
LDS6204SOGI8	PSG20	SOIC	20	I	Yes	Reel	Check Availability

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Technical Documentation

	Title	Type	Format	File Size	Date
Datasheets & Errata					
	LDS6200 Family Datasheet (Rev 0.5 June 2011)	Datasheet	PDF	769 KB	06/29/2011
	LDS62XX Errata	Errata	PDF	39 KB	01/18/2011
Other					
	IDT Pure Touch Product Selector Guide	Misc	PDF	19 KB	01/27/2011
	IDT Touch 6200 Family Flyer	Flyer	PDF	602 KB	01/24/2011

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