

Status: **NRND**

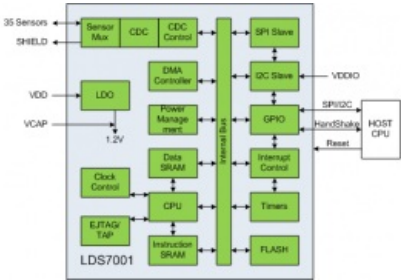
Product Quick Links

- Specifications
- Product Options
- Documentation & Tools
- Technical Support
- Contact Sales

LDS7001

Capacitive Full Resolution Touch Screen Controller

The LDS700x Family of devices is the world's first controller family supporting a true single layer, multi-touch projected capacitance touch screen sensor. These devices enhance the human-machine-interface (HMI) experience by supporting the capability for system designers to implement advanced gestures such as swipe, scroll, and pinch.



Features

- Single and dual touch Touch-Screen applications
- Supports IDT's proprietary true single layer sensor with up to 35 touch sensor channels
- 2.7-3.6V power supply voltage
- 1.8-3.6V supply voltage for I2C
- Full power mode, no active touch <4mW (2.7V, 8ms data rate)
- Full power mode, active touch <9mW (2.7V, 8ms data rate)
- I2C or SPI compatible serial interfaces
- Available GPIO
- 48ld 6x6mm TQFN package

Product Specification

Touch Voltage (V)	Touch Sensors (#)	Simultaneous Touches (#)	Scan Rate (ms)	Screen Size Max (in)	Interface	I/O Voltage (V)	GPIOs (#)	Pkg. Type
2.70 - 3.60	35	2	8.00 - 15.00	5	SPI, I2C	1.80 - 3.60	1	VFQFPN

Product Options

Orderable Part ID	Pkg. Code	Pkg. Type	Lead Count (#)	Temp. Grade	Pb (Lead) Free	Carrier Type	Sample & Buy
LDS7001NTG18	NTG48	VFQFPN	48	I	Yes	Reel	Check Availability 

Documents

	Title	Type 	Format	File Size	Date
	IDT Touch 700x Family Overview Flyer	Flyer	PDF	712 KB	01/27/2011
	IDT Pure Touch Product Selector Guide	Misc	PDF	19 KB	01/27/2011
	PCN#: TB1110-05 NEW SHIPPING TRAY	Product Change Notice	PDF	653 KB	12/06/2011
	PCN#: TB1109-01 ASEMAS ALTERNATE TEST & BACKEND LOCATION	Product Change Notice	PDF	99 KB	10/11/2011

GET TECHNICAL SUPPORT 

CONTACT SALES OFFICE 