Chipsmall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

Part No.	Description	Touch Sensors	DCM Outputs	LED Driver	Built-in LED Effects		Slider/ Scroll	Full hysteris/ debounce config	Power On Touch Detection	I/O Voltage	Touch Voltage	Package	Interface
					Dimming	Blink/ Heartbeat							
Touch Controller													
LDS6100	20 Channel Touch Controller	Up to 20	Up to 10				Built-in	Yes		1.65-5.5V	1.65-5.5V	VFQFPN 40	I2C, SMBus, SPI
LDS6108	16 Channel Touch Controller	Up to 16	Up to 8				Built-in	Yes		1.65-5.5V	1.65-5.5V	VFQFPN 40	I2C, SMBus, SPI
LDS6000	15 Channel Touch Controller	Up to 15					w/ host-side firmware			1.65-3.6V	1.65-1.95V	SSOP 28, VFQFPN 28	SPI or I2C
LDS6107	13 Channel Touch Controller	Up to 13	Up to 5				Built-in	Yes		1.65-5.5V	1.65-5.5V	SSOP 28, VFQFPN 28	I2C, SMBus, SPI
LDS6005	10 Channel Touch Controller	Up to 10					w/ host-side firmware			1.65-3.6V	1.65-1.95V	SSOP 28, VFQFPN 28	SPI or I2C
LDS6104	8 Channel Touch Controller	Up to 8	Up to 4				Built-in	Yes		1.65-5.5V	1.65-5.5V	SSOP 28, VFQFPN 28	I2C, SMBus, SPI
LDS6204	8 Channel Touch Controller	Up to 8					Built-in	Yes	Yes	1.65-5.5V	1.65-5.5V	TQFN 20, SOIC 20	I2C
LDS6003	6 Channel Touch Controller	Up to 6					w/ host-side firmware			1.65-3.6V	1.65-1.95V	SSOP 28, VFQFPN 28	SPI or I2C
LDS6203	6 Channel Touch Controller	Up to 6					Built-in	Yes	Yes	1.65-5.5V	1.65-5.5V	TQFN 20, SOIC 20	I2C
LDS6202	4 Channel Touch Controller	Up to 4					Built-in	Yes	Yes	1.65-5.5V	1.65-5.5V	TQFN 16, SOIC 16	I2C
LDS6201	2 Channel Touch Controller	Up to 2					Built-in	Yes	Yes	1.65-5.5V	1.65-5.5V	TQFN 16, SOIC 16	I2C
Touch Controller with Integrated Haptic Driver													
LDS6010	15 Channel Touch Controller with Haptic Driver for Portable Applications	Up to 15					w/ host-side firmware			1.65-3.6V	1.65V-1.95V	VFQFPN 40	SPI or I2C
LDS6018	15 Channel Touch Controller with Haptic Driver for Non-Portable Applications	Up to 15					w/ host-side firmware			1.65-3.6V	1.65-1.95V	VFQFPN 40	SPI or I2C
Touch Controller with Integrated LED Driver													
LDS6120	20 Channel Touch Controller with Integrated LED Driver	Up to 20	Up to 10	Up to 10	Yes	Yes	Built-in	Yes		1.65-5.5V	1.65-5.5V	VFQFPN 40	I2C, SMBus, SPI
LDS6128	16 Channel Touch Controller with Integrated LED Driver	Up to 16	Up to 8	Up to 8	Yes	Yes	Built-in	Yes		1.65-5.5V	1.65-5.5V	VFQFPN 40	I2C, SMBus, SPI
LDS6028	15 Channel Touch Controller with Integrated LED Driver	Up to 15		Up to 8	Yes		w/ host-side firmware			1.65-3.6V	1.65-1.95V	VFQFPN 40	SPI or I2C
LDS6020	13 Channel Touch Controller with Integrated LED Driver	Up to 13		Up to 8	Yes		w/ host-side firmware			1.65-3.6V	1.65-1.95V	SSOP 28, VFQFPN 28	SPI or I2C
LDS6126	11 Channel Touch Controller with Integrated LED Driver	Up to 11	Up to 5	Up to 6	Yes	Yes	Built-in	Yes		1.65-5.5V	1.65-5.5V	SSOP 28, VFQFPN 28	I2C, SMBus, SPI
LDS6025	10 Channel Touch Controller with Integrated LED Driver	Up to 10		Up to 5	Yes		w/ host-side firmware			1.65-3.6V	1.65-1.95V	SSOP 28	SPI or I2C
LDS6124	8 Channel Touch Controller with Integrated LED Driver	Up to 8	Up to 4	Up to 4	Yes	Yes	Built-in	Yes		1.65-5.5V	1.65-5.5V	SSOP 28, VFQFPN 28	I2C, SMBus, SPI
LDS6023	6 Channel Touch Controller with Integrated LED Driver	Up to 6		Up to 3	Yes		w/ host-side firmware			1.65-3.6V	1.65-1.95V	SSOP 28, VFQFPN 28	SPI or I2C
Touch Controller with Integrated LED Driver and Haptic Driver													
LDS6040	15 Channel Touch Controller with Integrated LED Driver and Haptic Driver for Portable Applications	Up to 15		Up to 8	Yes		w/ host-side firmware			1.65-3.6V	1.65-1.95V	VFQFPN 40	SPI or I2C
LDS6048	15 Channel Touch Controller with Integrated LED Driver and Haptic Driver for Non-Portable Applicaitons	Up to 15		Up to 8	Yes		w/ host-side firmware			1.65-3.6V	1.65V-1.95V	VFQFPN 40	SPI or I2C

Full Resolution Multi-Touch Screen Controllers		Data Rate	No. of Touches	Screen Sizes Supported	Touch Voltage	PACKAGE	GPIO's	Interface
LDS7000	30 Channel Full Resolution Multi-Touch Screen Controller	8ms	up to 2	up to 5 inches	2.7-3.6V	VFQFPN 40	0	I2C
LDS7001	35 Channel Full Resolution Multi-Touch Screen Controller	8ms	up to 2	up to 5 inches	2.7-3.6V	VFQFPN 48	1	SPI or I2C