

Resistive Touch Screen 4-Wire 28-Pin TSSOP Tube

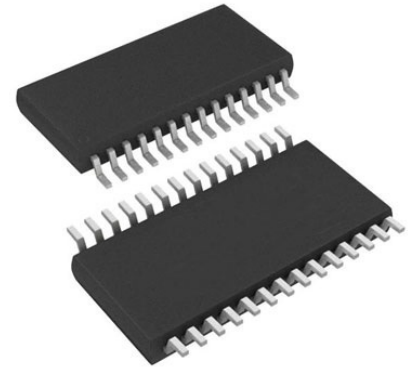
Manufacturer: [Texas Instruments, Inc](#)

Package/Case: TSSOP-28

Product Type: Drivers

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active



Images are for reference only

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General Description

The TSC2200 is a complete PDA analog interface circuit. It contains a complete 12-bit, Analog-to-Digital (A/D) resistive touch screen converter including drivers, the control to measure touch pressure, keyboard controller, and an 8-bit Digital-to-Analog (D/A) converter output for LCD contrast control. The TSC2200 interfaces to the host controller through a standard SPI serial interface. The TSC2200 offers programmable resolution and sampling rates from 8- to 12-bits and up to 125kHz to accommodate different screen sizes.

The TSC2200 also offers two battery-measurement inputs capable of reading battery voltages up to 6V, while operating at only 2.7V. It also has an on-chip temperature sensor capable of reading 0.3°C resolution. The TSC2200 is available in a TSSOP-28 and a QFN-32 package.

Key Features

4-WIRE TOUCH SCREEN INTERFACE AND 4-BY-4 KEYPAD INTERFACE

RATIOMETRIC CONVERSION

SINGLE 2.7V TO 3.6V SUPPLY

SERIAL INTERFACE

INTERNAL DETECTION OF SCREEN TOUCH AND KEYPAD

PROGRAMMABLE 8-,10-,OR 12-BIT RESOLUTION

PROGRAMMABLE SAMPLING RATES

DIRECT BATTERY MEASUREMENT (0.5V to 6V)

ON-CHIP TEMPERATURE MEASUREMENT

TOUCH-PRESSURE MEASUREMENT

FULL POWER-DOWN CONTROL

TSSOP-28 PACKAGE AND QFN-32 PACKAGES

APPLICATIONS

PERSONAL DIGITAL ASSISTANTS

CELLULAR PHONES

MP3 PLAYERS

SPI is a registered trademark of Motorola. US Patent No. 624639.

Recommended For You

TSC2007IPWR

Texas Instruments, Inc

TSSOP16

TSC2046IPWR

Texas Instruments, Inc

TSSOP16

TSC2013QRSARQ1

Texas Instruments, Inc

QFN16

TSC2046IPW

Texas Instruments, Inc

TSSOP16

TSC2004IRTJR

Texas Instruments, Inc

QFN20

TSC2046IRGVR

Texas Instruments, Inc

QFN16

TSC2014IYZGR

Texas Instruments, Inc

DSBGA

TSC2007IYZGR

Texas Instruments, Inc

DSBGA12

TSC2003IPWR

Texas Instruments, Inc

TSSOP16

TSC2007IPW

Texas Instruments, Inc

TSSOP16

TSC2004IYZKR

Texas Instruments, Inc

BGA

TSC2046EIPWR

Texas Instruments, Inc

TSSOP16

TSC2003IPW

Texas Instruments, Inc

TSSOP16

TSC2013QPWRQ1

Texas Instruments, Inc

TSSOP-16

TSC2046EIPW

Texas Instruments, Inc

TSSOP-16