

## Resistive Touch Screen 4-Wire 16-Pin TSSOP T/R

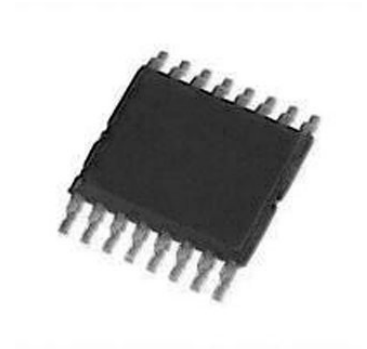
**Manufacturer:** [Texas Instruments, Inc](#)

**Package/Case:** TSSOP16

**Product Type:** Drivers

**RoHS:** RoHS Compliant/Lead free 

**Lifecycle:** Active



Images are for reference only

[Inquiry](#)

## General Description

The TSC2003 is a 4-wire resistive touch screen controller. It also features direct measurement of two batteries, two auxiliary analog inputs, temperature measurement, and touchpressure measurement.

The TSC2003 has an on-chip 2.5V reference that can be utilized for the auxiliary inputs, battery monitors, and temperature- measurement modes. The reference can also be powered down when not used to conserve power. The internal reference will operate down to 2.7V supply voltage while monitoring the battery voltage from 0.5V to 6V.

The TSC2003 is available in the small TSSOP-16 and VFBGA-48 packages and is specified over the  $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$  temperature range.

## Key Features

2.5V TO 5.25V OPERATION

INTERNAL 2.5V REFERENCE

DIRECT BATTERY MEASUREMENT (0.5V TO 6V)

ON-CHIP TEMPERATURE MEASUREMENT

TOUCH-PRESSURE MEASUREMENT

I2C INTERFACE SUPPORTS: Standard, Fast, and High-Speed Modes

AUTO POWER DOWN

TSSOP-16 AND VFBGA-48 PACKAGES

APPLICATIONS

PERSONAL DIGITAL ASSISTANTS

PORTABLE INSTRUMENTS

POINT-OF-SALES TERMINALS

PAGERS

TOUCH SCREEN MONITORS

CELLULAR PHONES

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## Recommended For You

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### 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

### 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

**TSC2200IPW**

Texas Instruments, Inc

TSSOP-28