Resistive Dual Touch Reference Design Board with Haptic Feedback for 4-wire Resistive Touch Panels

TIDesigns

(PREVIEW) TIDA-00198

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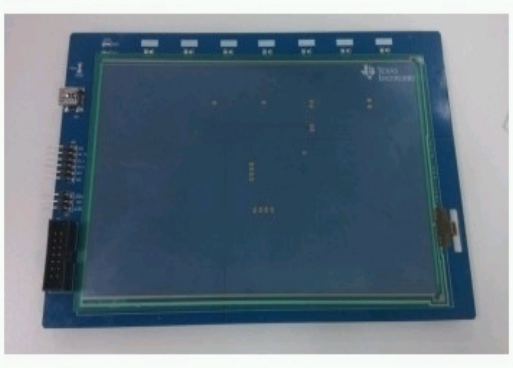
Description

This reference evaluation module, featuring the TSC2013-Q1 resistive dual touch controller, is a fully-functional USB powered platform that allows 4-wire resistive touch screen panels to be connected to the USB port of a PC or laptop for evaluation. User control is provided via a powerful, easy-to-use Windows-based GUI. Full documentation, design files and necessary firmware & PC software are also available for this design



TSC2013EVM Resistive Touch Screen with Haptics, top view

Features

- Supported gestures: 2-Finger Zoom In & Out, 2-Finger Rotation and 1-Finger Flick
- Requires only one USB cable connection to PC
- USB connection to PC provides power, control, and streaming data
- Quick connection points for external control and distribution of digital signals to other circuits/devices
- Supported with an orderable EVM, user guide, application videos and easy-to-use PC software.
- Fully-functional evaluation board for 4-wire touch panels that is production ready

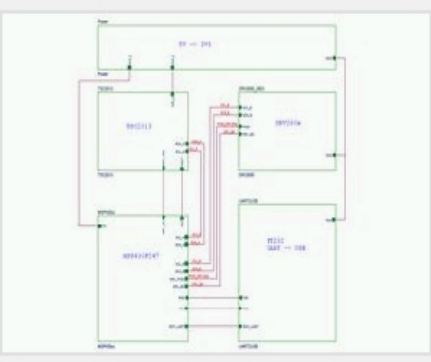
View available purchase options for designs kits, evaluation modules and/or the bill of materials.

$199.00(USD)

Order Now

Schematic/Block Diagram

Quickly understand overall system functionality.



Download Schematic

Test Data

Get results faster with test and simulation data that's been verified.

Download Test Data

Design Files

Download ready-to-use system files to speed your design process. Get Viewer.

Download Design File

Bill of Materials (BOM)

Find the complete list of components in this reference design.

Download BOM

Order Now

Part Number	Buy from Texas Instruments or Third Party	Status
TSC2013EVM: TSC2013-Q1 Evaluation Module	$199.00(USD) In Stock Typically Ships in 1 to 3 Business Days Buy from TI	ACTIVE

TI Devices (2)

Order samples, get tools and find more information on the TI products in this reference design.

Part Number	Name	Product Family	Sample & Buy	Design Kits & Evaluation Modules
DRV2605	Haptic Driver for ERM/LRA with Built-In Library and Smart Loop Architecture	Haptic Driver	Sample & Buy	View Design Kits & Evaluation Modules
TSC2013-Q1	1.2V to 3.6V, 12-Bit, Nanopower, 4-Wire TOUCH SCREEN CONTROLLER	Data Converters	Sample & Buy	View Design Kits & Evaluation Modules

CAD/CAE symbols

Part #	Package | Pins	CAD File (.bxl)	STEP Model (.stp)
DRV2605	DSBGA (YZF) | 9	Download	-

Texas Instruments and Accelerated Designs Inc. have collaborated together to provide TI customers with schematic symbols and PCB layout footprints for TI products.

Step 1: Download and install the Ultra Librarian software ZIP: 62MB

Step 2: Download the Symbol and Footprint .bxl file.

- read more -

Technical Documents

Application Notes (1)

Title	Abstract	Type	Size (KB)	Date	Views
TIDA-00198 Design Guide (TSC2013 Application Note)		PDF	573	01 Jul 2014	42

Design Files (4)

Title	Abstract	Type	Size (KB)	Date	Views
TIDA-00198 Gerber		ZIP	535	01 Jul 2014	14
TIDA-00198 Altium		ZIP	455	01 Jul 2014	14
TIDA-00198 BOM		PDF	193	01 Jul 2014	13
TIDA-00198 Schematic		PDF	246	01 Jul 2014	25

Applications

Automotive Infotainment

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