

# MTCH6303 Multi-touch Projected Capacitive Touch Screen Development Kit ★


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Part Number: DV102013

Microchip's Multi-touch Projected Capacitive Touch Screen Development Kit enables the creation of advanced touch interface solutions using MTCH6303 with up to 18V boost via the MTCH652.

The MTCH6303 solution brings advanced features including noise robustness, larger sensor size support up to 8", faster scanning speeds and the ability to combine with the high voltage driver, MTCH652, to achieve superior signal to noise ratio. These capabilities enable a wider range of designs including transparent touch screens over displays with advanced multi-touch gestures for a rich user interface.



## Features

## Package Contents

### Features

- Multi-Touch up to 10 touches
- 5 touches typically at 100Hz+ each
- 27RX x 19TX channels support, approximately 8" touch screens (larger possible)
- Combines with MTCH652 high voltage driver for superior signal-to-noise ratio (SNR)
- Integrated single and multi-finger gesture recognition suite including taps, swipes, scrolling and pinching and zooming
- Advanced DSP processing provides noise avoidance techniques
- USB & I2C communication
- Supports 3D gestures up to 20cm when combined with the MGC3130 GestIC® controller


### Applications

- Touch screen designs that need cost effective, easy to integrate, fast time to market PCap touch solutions
- Perfect for, touch screens over displays, control panels, keypads, and many other input devices
- Targeting the Industrial, Medical, Home & Office Automation, and Consumer markets among others

## Documentation & Software

[Back To Top](#)

Documents	Last Updated	Size	
★ <a href="#">MTCH6303 Software Utility V1.2.1</a>	4/14/2016 2:17:18 PM	20MB	
★ <a href="#">DV102013 Quick Start Guide</a>	7/17/2015 8:00:23 AM	264KB	

★ <a href="#">MTCH6303 Projected Capacitive Touch Controller Data Sheet</a>	6/29/2015 10:35:55 AM	990KB	
★ <a href="#">EpicIO PCAP 8" Touch Panel TXP080B002</a>	6/29/2015 7:37:12 AM	209KB	
★ <a href="#">MTCH6303 Multi-Touch Projected Capacitive Touch Controller Product Brief</a>	6/29/2015 7:36:52 AM	194KB	
★ <a href="#">MTCH6303</a>	6/1/2015 1:48:00 PM	0KB	



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