

# 54-B-PMC-08 Extreme Touch

## Projected Capacitive 2 PSoC Controller

Touch International's 54-B-PMC-08 projected capacitive controller is one of several options the Extreme Touch product line has to offer. Designed to interface with computer systems through a wide variety of standard interfaces, the controller is compatible with USB and I2C communications. Combined with Touch International's proprietary firmware, the controller can easily be tuned to your custom design, as well as a range of different applications. Now featuring multi-touch and gesture (two finger touch) capabilities, the 54-B-PMC-08 controller can help take your product application to the next level.

### Features

<b>Motion Detection Method</b>	Capacitive sensing using a Sigma-Delta modulator.
<b>X/Y Position Reporting</b>	Absolute Position
<b>Touch Force</b>	No contact pressure required.
<b>Calibration</b>	No need for calibration.
<b>Chip Set Solution</b>	Available
<b>Touch</b>	Single Touch and Gesture (Two Finger Touch)
<b>Interface</b>	HID Compliant
<b>RoHS</b>	Compliant
<b>REACH</b>	Compliant
<b>Warranty</b>	5 Years



### Specifications

<b>Controller Size</b>	2.0" x 2.0" (50.80mm x 50.80mm)
<b>Power Requirements</b>	5 ~ 9V DC unregulated power, typical 60mA
<b>Operating Temperature</b>	-40 to 85°C
<b>Storage Temperature</b>	-40 to 85°C
<b>Relative Humidity</b>	35°C at 95% RH Non-Condensing
<b>Interface</b>	USB: 2.0, 1.1 Compliant (Standard) Optional: USB-UART I2C Communication
<b>Communication Cables</b>	A Plug/5-Pin Mini-B Plug (USB & USB-UART): TI# 1300264
<b>Resolution</b>	2048 x 2048
<b>Report Rate</b>	Approx. 25 - 50 Points/Sec
<b>Mean Time between Failures</b>	> 5,600,000 hrs.
<b>Maximum Screen Size Supported</b>	15"
<b>Supported Operating Systems</b>	Windows 2000, XP, Vista & 7, Linux Ubuntu, Mac OSX 10.X (Lepoard)

