

# 88-F-PMC-121-KIT

## Extreme Touch Projected Capacitive Evaluation Kit

Touch International's 88-F-PMC-121-KIT projected capacitive evaluation kit is equipped with a general purpose projected capacitive controller and touch screen designed to provide a complete product solution.

### Applications

- Gaming Consoles
- Laptop and Tablet Computers
- Retail Signature Capture
- ATM Machines
- Commercial and Industrial
- Digital Picture Frames



Designed to interface with computer systems through a wide variety of standard interfaces, the 54-B-PMC-11-01 projected capacitive controller is compatible with USB, I2C and Serial 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. Featuring single touch and gesture (two finger touch) capabilities, the 54-B-PMC-11-01 controller can help take your product application to the next level.

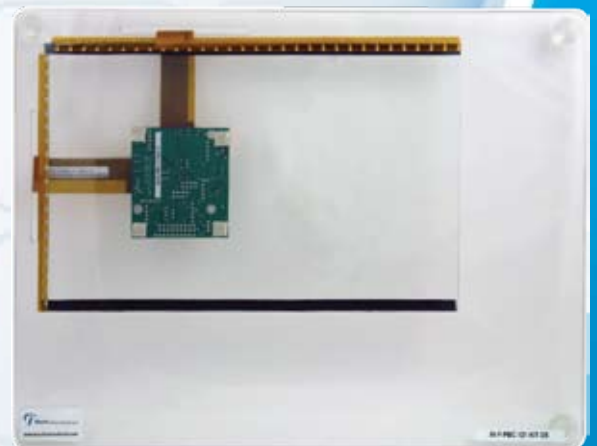
### Pre-Mounted Evaluation Kits Available!

#### Advantages

- Ease to Use just Plug and Play
- Reduce the Risk of Noise Interference
- Protect the Touch Screen and Controller from Damage

#### Evaluation Kit Includes:

- 12.1" Projected Capacitive Touch Screen (88-F-PMC-121-008)
- 3 PSoC Controller (54-B-PMC-11-01)
- USB Cable (1300264)



**88-F-PMC-121-KIT** ( Pieces )

**88-F-PMC-121-KIT-DB** ( Mounted )

## Features

Motion Detection Method	Capacitive Sensing
X/Y Position Reporting	Absolute Position
Touch Force	No contact pressure required.
HID	HID Compliant
Calibration	No need for calibration.
Chip Set Solution	Available
Touch	Single Touch and Gesture (Two Finger Touch)
RoHS	Compliant
REACH	Compliant
Warranty	Touch Screen - 10 Yrs. Controller - 1 Yr.

## Touch Screen Specifications

Operating Temperature	-20 to 85°C.
Storage Temperature	-40 to 85°C.
Relative Humidity	50°C at 90% RH Non-Condensing
Controller Mean Time Between Failures	> 100 Million Touches

## Controller Specifications

Controller Size	2.5" x 2.347" (63.50mm x 59.614mm)
Power Requirements	5 ~ 9V DC unregulated power, typical 60mA
Operating Temperature	-40 to 85°C
Storage Temperature	-40 to 85°C
Relative Humidity	35°C at 95% RH Non-Condensing
Interface	USB: 2.0, 1.1 Compliant (Standard) Optional: USB-UART RS-232 Serial Communication Protocol: No Parity, 8 Data Bits, 1 Stop Bit, 15200 Baud, No Flow Control I2C Communication
Communication Cables	A Plug/5-Pin Mini-B Plug (USB & USB-UART): TI# 1300264
Resolution	2048 x 2048
Report Rate	Approx. 25 - 50 Points / Sec
Mean Time between Failures	> 5.6 Million hrs.
Supported Operating Systems	Windows 2000, XP, Vista and 7; Linux Ubuntu; Mac OSX 10.X (Leopard)

For additional information on Touch International products and solutions, contact a sales representative or e-mail [sales@touchintl.com](mailto:sales@touchintl.com).