

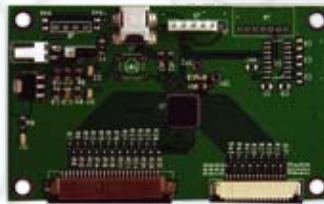
88-F-PMC-84-MDL-01

Extreme Touch Projected Capacitive Module

Touch International's 88-F-PMC-84-MDL-01 projected capacitive evaluation kit is equipped with a general purpose projected capacitive controller and touch screen mounted on a 8.4" LCD driven by its own drive kit.

Applications

- Laptop and Tablet Computers
- Retail Signature Capture
- Personal Media Players
- Commercial and Industrial
- Gaming Consoles
- Digital Picture Frames



Designed to interface with computer systems through a wide variety of standard interfaces, the 54-B-PMC-2007-01 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-2007-01 controller can help take your product application to the next level.

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 - 5 Yrs.



88-F-PMC-84-MDL-01

Evaluation Kit Includes:

- 8.4" Projected Capacitive Touch Screen (88-F-PMC-84-003)
- 1 PSoC Controller Package (54-B-PMC-84-003)
- LCD (8700176)
- VGA Drive Kit (13B0106)
- OSD Board (1500189)
- Power Adapter (1500188)
- USB Cable (1300264)
- VGA Cable (1300277)

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	1.9965" x 3.2895" (50.70mm x 83.78mm)
Power Requirements	5 ~ 9V DC Unregulated Power, Typical 42mA
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) Optional: RS-232 Serial Communication I2C Communication
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Resolution	2048 x 2048
Report Rate	Approx. 25 - 50 Points/Sec.
Mean Time between Failures	> 5.6 Million Hours
Supported Operating Systems	Windows 2000, XP, Vista and 7; Linux Ubuntu; Mac OSX

LCD Specifications

LCD Screen Size	8.4" Diagonal
Aspect Ratio	4:3
Brightness	200-250 cd/m ²
Contrast Ratio	500:1
Resolution	800 x 600 (Recommended)
Viewing Angle	130° Horizontal / 115° Vertical
Response Time	10ms Rise / 15ms Fall
Pixel Pitch	0.071mm x 0.213mm
Outline Dimension	189.75(W) mm x 149.4(H) mm x 6.3(D) mm (Typical)
Backlight	LED
Operating Temperature	-10~+60°C
Storage Temperature	-20~+70°C

LCD Drive Board Specifications

Video Input	Composite Signal Input and VGA Signal Input
Input Voltage	DC 12V+/-4V (350mA +/-30mA)
Operating Temperature	-10~+50°C
Storage Temperature	-20~+70°C

For additional information on Touch International products and solutions, contact a sales representative or e-mail sales@touchintl.com.