

88-F-PMC-70-MDL-01

Extreme Touch Projected Capacitive Developer Kit

Touch International's 88-F-PMC-70-MDL-01 projected capacitive developer kit is equipped with a general purpose projected capacitive controller and touch screen mounted on a 7.0" LCD.

Designed to interface with computer systems through a wide variety of standard interfaces, the 54-B-PMC-07 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-07 projected capacitive controller can help take your 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 Yr.



Developer Kit Includes:

- 7.0" Touch Screen (88-F-PMC-70-007)
- 1 PSoC Controller Package (54-B-PMC-70-007)
- LCD (8700160)
- VGA Drive Kit (13B0102)
- OSD Board (1500189)
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- Power Adapter (1500175)
- USB Cable (1300264)
- VGA Cable (1300277)

Applications

- Tablet Computers
- GPS
- NET Books
- Personal Media Players
- Digital Cameras
- Gaming Consoles

Touch Screen Specifications

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

Controller Specifications

Controller Size	2.0" x 2.0" (50.80mm x 50.80mm).
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 Hours
Supported Operating Systems	Windows 2000, XP, Vista and 7; Linux Ubuntu; Mac OSX

LCD Specifications

LCD Screen Size	7.0" Diagonal
Aspect Ratio	Widescreen 16:9
Brightness	200 cd/m ²
Contrast Ratio	500:1
Resolution	800 x 600 (60Hz) (Recommended)
Viewing Angle	140° Horizontal / 120° Vertical
Response Time	10ms Rise / 15ms Fall
Pixel Pitch	0.0635(W) mm x 0.1905(H) mm
Outline Dimension	165(W) mm x 104(H) mm x 5.5(D) mm (Typical)
Backlight	LED
Operating Temperature	-30~+85°C
Storage Temperature	-30~+85°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.