

89-F-PMC-70-MDL-01

MULTI-Touch Projected Capacitive Developer Kit

Touch International's 89-F-PMC-70-MDL-01 projected capacitive developer kit is equipped with a general purpose multi-touch 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 89-B-PMC-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. Supporting up to 10-finger touch with gesture, the 89-B-PMC-01 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	Standard: 4-Fingers Optional: 10-Fingers
RoHS	Compliant
REACH	Compliant
Warranty	Touch Screen - 10 Yrs. Controller - 5 Yrs.



89-F-PMC-70-MDL-01

Developer Kit Includes:

- **7.0" Touch Screen**
(89-F-PMC-70-001)
- **1 PSoC Controller Package**
(89-B-PMC-01)
- **LCD**
(8700160)
- **VGA Drive Kit**
(13B0102)
- **OSD Board**
(1500189)
- **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	-15 to 70°C
Storage Temperature	-40 to 80°C
Relative Humidity	10% - 90% RH, Non-Condensing

Controller Specifications

Controller Size	2.19" x 2.15" (55.63mm x 51.61mm)
Power Requirements	5 ~ 9V DC Unregulated Power, Typical 42mA
Operating Temperature	-15 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	Standard: 1024 x 1024, Max: 4095 x 4095
Report Rate	50 - 75 Points/Sec.
Mean Time between Failures	> 5,600,000 hrs.
Supported Operating Systems	Standard: Windows 7 *Optional: Windows 2000, XP, Vista, Linux Ubuntu, Mac OSX 10.X (Leopard), Android

LCD Specifications

LCD Screen Size	7.0" Diagonal
Aspect Ratio	16:9
Brightness	200 cd/m ²
Contrast Ratio	500:1
Resolution	640 x 480 or 800 x 600 (Recommended)
Viewing Angle	140° Horizontal / 120° Vertical
Response Time	10ms Rise / 15ms Fall
Pixel Pitch	0.0635(W) mm × 0.1905(H) mm
Outline Dimension	165(W) mm × 104(H) mm × 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

*Please Note: Optional communication interfaces and operating systems require custom drivers.

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