

89-F-PMC-101-MDL-01

MULTI-Touch Projected Capacitive Developer Kit

Touch International's 89-F-PMC-101-MDL-01 projected capacitive developer kit is equipped with a general purpose multi-touch projected capacitive controller and touch screen mounted on a 10.1" 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

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|-------------------------|---|
| 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-101-MDL-01

Developer Kit Includes:

- 10.1" Touch Screen (89-F-PMC-101-001)
- 1 PSoC Controller Package (89-B-PMC-01)
- LCD (8700186)
- VGA Drive Kit (13B0102)
- OSD Board (1500189)
- 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

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|-----------------------|------------------------------|
| Operating Temperature | -15 to 70°C |
| Storage Temperature | -40 to 80°C |
| Relative Humidity | 10% - 90% RH, Non-Condensing |

Controller Specifications

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|-----------------------------|---|
| 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) |

LCD Specifications

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|-----------------------|---|
| LCD Screen Size | 10.1" Diagonal |
| Aspect Ratio | 16:9 |
| Brightness | 200 cd/m ² |
| Contrast Ratio | 650:1 |
| Resolution | 1024 x 600 |
| Viewing Angle | 90° Horizontal / 65° Vertical |
| Response Time | 3ms Rise / 7ms Fall |
| Pixel Pitch | 0.2175mm x 0.2088mm |
| Outline Dimension | 235.0(W) mm x 143.0(H) mm x 4.9(D) mm (Typical) |
| Backlight | LED |
| Operating Temperature | 0~+50°C |
| Storage Temperature | -20~+60°C |

LCD Drive Board Specifications

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|-----------------------|---|
| Video Input | Composite Signal Input and VGA Signal Input |
| Input Voltage | DC 12V+/-4V (350mA +/-30mA) |
| Operating Temperature | 0~+40°C |
| Storage Temperature | -10~+60°C |

*Please Note: Additional drivers must be written to use with an optional OS.

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