

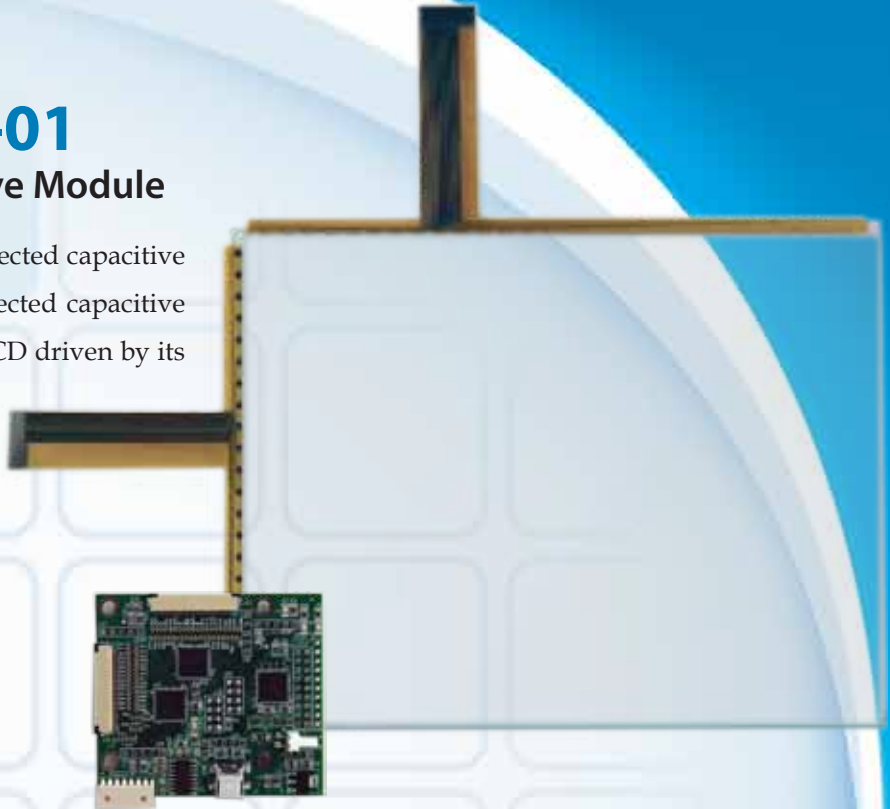
88-F-PMC-121-MDL-01

Extreme Touch Projected Capacitive Module

Touch International's 88-F-PMC-121-MDL-01 projected capacitive module is equipped with a general purpose projected capacitive controller and touch screen mounted to a 12.1" LCD driven by its own drive kit.

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 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 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 - 1 Yr.



88-F-PMC-121-MDL-01

Evaluation Kit Includes:

- 12.1" Projected Capacitive Touch Screen (88-F-PMC-121-008)
- 3 PSoC Controller (54-B-PMC-11)
- USB Cable (1300264)
- LCD (8700175)

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)

LCD Specifications

LCD Screen Size	12.1" Diagonal
Aspect Ratio	4:3
Brightness	200-250 cd/m ²
Contrast Ratio	450:1
Viewing Angle	80° Horizontal / 80° Vertical
Pixel Pitch	Total (Tr +Td) 40ms
Outline Dimension	0.240(H) mm x 0.240(V) mm 270.0(H) mm X 199.0(V) mm X 4.8(D) mm
Backlight	1CCFL

LCD Drive Board Specifications

Video Input	VGA Signal Input
Input Voltage	DC 12V+/-5V
Operating Temperature	0~+40°C
Storage Temperature	-10~+60°C

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