Azoteq

IQS266EV02

2x3 Channel projected capacitive Trackpad controller with self-capacitive wake-up

The IQS266 ProxSense® IC is a 2x3 projected capacitive trackpad designed for low power mobile applications. This trackpad is perfect to implement on a single ITO touch screen for wearables. A self-capacitive channel is used for wake-up channel which keeps the power consumption in low-power less than 5uA. Other features include automatic tuning for sense electrodes, internal reference capacitor and internal regulator to reduce total system cost.

EV-Kit Overview

- Trackpad Arduino shield with OLED display
- FPC trackpad PCB

Evaluation Modes

- PC Data streaming mode (needs the CT210(A))
  - Connect either FPC trackpad or Arduino shield board via CT210A[1] to computer.
  - All data streaming from the trackpad is displayed in the GUI
- Standalone mode (needs Arduino Uno (purchases separately))
  - Gestures displayed on OLED screen
  - Prox indicated by 4 LEDS
  - Open source code for custom development
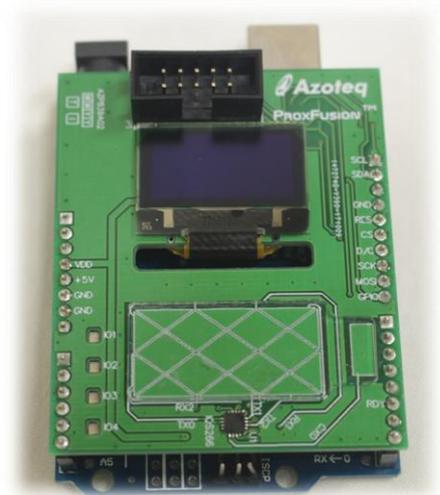
IQS266EV02 on Arduino Uno

Applications

- Wearables
- Remote controls
- Navigational controls
- IoT devices with small user interfaces
- White goods and appliances
- Office equipment & printers
- Toys