1 Overview

- CY8CKIT-059 PSoC 5LP Evaluation Stick.
  - CY8C5888LTI-LP097 Microcontroller
  - Built-in KitProg programmer for the microcontroller through Male USB connector
  - User LED and switch
  - Female Micro-B connector for USB applications
- Fits onto standard breadboard rails.
- 8 SPST Switches and LEDs for User IO.
- OLED for graphical display.
- 3.3V or 5V operation (fed from right side rail).
- Compatible with the PSoC 6.131 Shield.

2 Description

- SPST Inputs: The DIP bank of 8 SPST switches connect to VDD when in the “ON” position. Otherwise they are open and require a pull-down circuit (i.e. set the PSoC pin to the “Resistive Pull Down” drive mode)
- LED Outputs: The DIP LED Bank has the 8 right-most LEDs connected to the PSoC through 1 kΩ current-limiting resistors. LED B8 corresponds to the right-most LED segment.
- OLED Display: The OLED Display should be connected to by a “I2C Master” component on the PSoC. The pins should be set to the “Open Drain” drive mode.