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Sidekick Basic Kit for TI LaunchPad

SKU: 106060002

Description

As for more support materials, please to access www.energia.nu/sidekick (<http://www.energia.nu/sidekick>).

Sidekick is a collection of popular components for DIY projects. It is easy to create custom breadboard circuits that can interface with a development kit. This is an excellent starter kit for new electronics engineers and makers.

This kit is fully compatible with all TI LaunchPads. The following examples are based on LaunchPads that support Energia software. If you are using any of the LaunchPad kits, the examples should be the same or involve minor pin configuration changes.

THE EXAMPLES

- Example 00: Blinking LED (Output)
- Example 01: Fade RGB LED (PWM)
- Example 02: Push Button (Input)
- Example 03: Multiple LED (Many Outputs)
- Example 04: Shift Register (Integrated Circuit)
- Example 05: Piezo Buzzer (Sound)
- Example 06: Potentiometer (Variable Resistor)
- Example 07: Photoresistor (Light Sensor)
- Example 08: Spin the Motor (Transistor)
- Example 09: Temperature (Thermistor and Temp Sensor)
- Example 10: 7 Segment Display (Digital Display)

Features:

- Fully compatible with all TI LaunchPads.
- Lot of examples
- Energia supported
- Breadboard BoosterPack for TI LaunchPad

Part List:

- 1 x Breadboard
- 5 x Green LED
- 5 x Red LED
- 1 x RGB Common Anode LED
- 10 x Ceramic Capacitor 10nF
- 10 x Ceramic Capacitor 100nF
- 5 x Aluminum capacitor 100uF

- 10 x Resistor 330R
- 10 x Resistor 1K
- 10 x Resistor 10K
- 1 x Tilt switch
- 1 x Thermistor
- 1 x Photoresistor
- 1 x Diode
- 1 x Buzzer
- 5 x Button
- 5 x Switch
- 2 x Potentiometer with knob
- 5 x Breadboard jumper wire – long
- 20 x Breadboard jumper wire – short
- 1 x 7 segment display
- 1 x Small DC motor
- 1 x TI 8-bit shift register (SN74HC595N)
- 1 x TI Analog Temperature Sensor (LM19CIZ/NOPB)
- 1 x TI NPN transistor (LP395Z/NOPB)
- 1 x TI NPN transistor (PN2222/NOPB)
- 1 x Breadboard BoosterPack Adapter PCB
- 1 x Label for components
- 1 x Sidekick basic for LaunchPad Manual