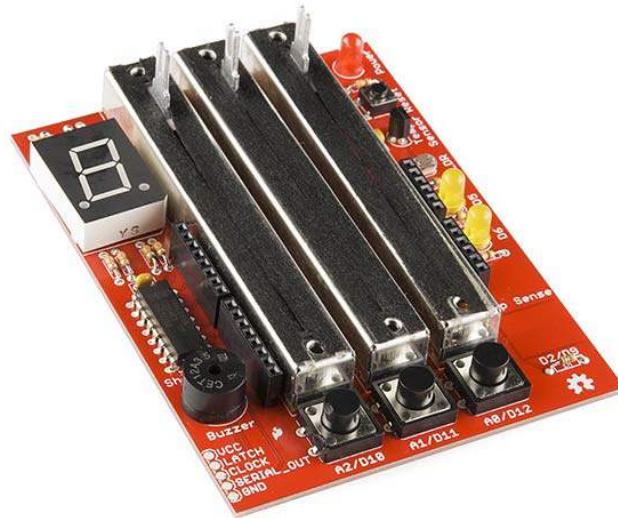




## SparkFun Danger Shield

DEV-11649 RoHS



**Description:** The SparkFun Danger Shield mounts on top of your Arduino or Arduino Pro and equips it with a variety of fun and useful inputs and outputs. The Danger Shield has so much potential; we can't wait to see what you're able to do with it! The shield's features include:

- Three linear slide potentiometers connected to the Arduino's analog pins 0 through 2.
- Red and yellow LEDs connected to digital pins 5 and 6 - PWM pins - so you can easily vary their brightness.
- Three momentary push buttons connected up to the Arduino's digital pins 10 through 12. Those lines will go low when the buttons are pressed.
- A photocell and a temperature sensor, both with analog outputs, are connected to the analog pins 3 and 4, respectively.
- An 8-bit shift register set up to control a blue 7-segment LED.
- A buzzer - so you can get sound out of your Arduino
- Capacitive Touch pad - Using the CapSense library to sense touch.

This product comes as a kit of parts, which you'll have to solder into the included PCB. All parts are through-hole so it should go together relatively easily; but always check your component orientation before soldering!

**Kit Includes:**

- 1x PCB Danger Shield Kit
- 3x Slide Potentiometers - 10K
- 1x 7-Segment LED - Blue
- 1x 8-bit Shift Register - 74HC595
- 1x Temperature Sensor - TMP36
- 1x Miniature Photocell
- 1x Piezo Speaker
- 1x Basic LED - Red
- 2x Basic LEDs - Yellow
- 1x Mini Push Button
- 3x Momentary Push Buttons - 12mm Square
- 11x Resistors - 330 Ohm
- 1x Resistors - 10K Ohm
- 1x Resistor 1M Ohm 1/6W
- 2x 8-pin Arduino Stackable Headers
- 2x 6-pin Arduino Stackable Headers