## Digital & Analog IO Breakout Board

## 1. Digital & Analog Breakout Board

Digital & Analog Breakout Board is basic peripherals prototype board for ARDUINO and other microcontrollers. If you are start learning of ARDUINO or Microcontroller than this tiny prototype board is very easy to interface, with some basic knowledge of electronics. Using this tiny prototype board you can build small projects to bring your development in real life. If you want to monitor room temperature and switch on-off device through IR remote control than this board have all required sensor to start small projects.
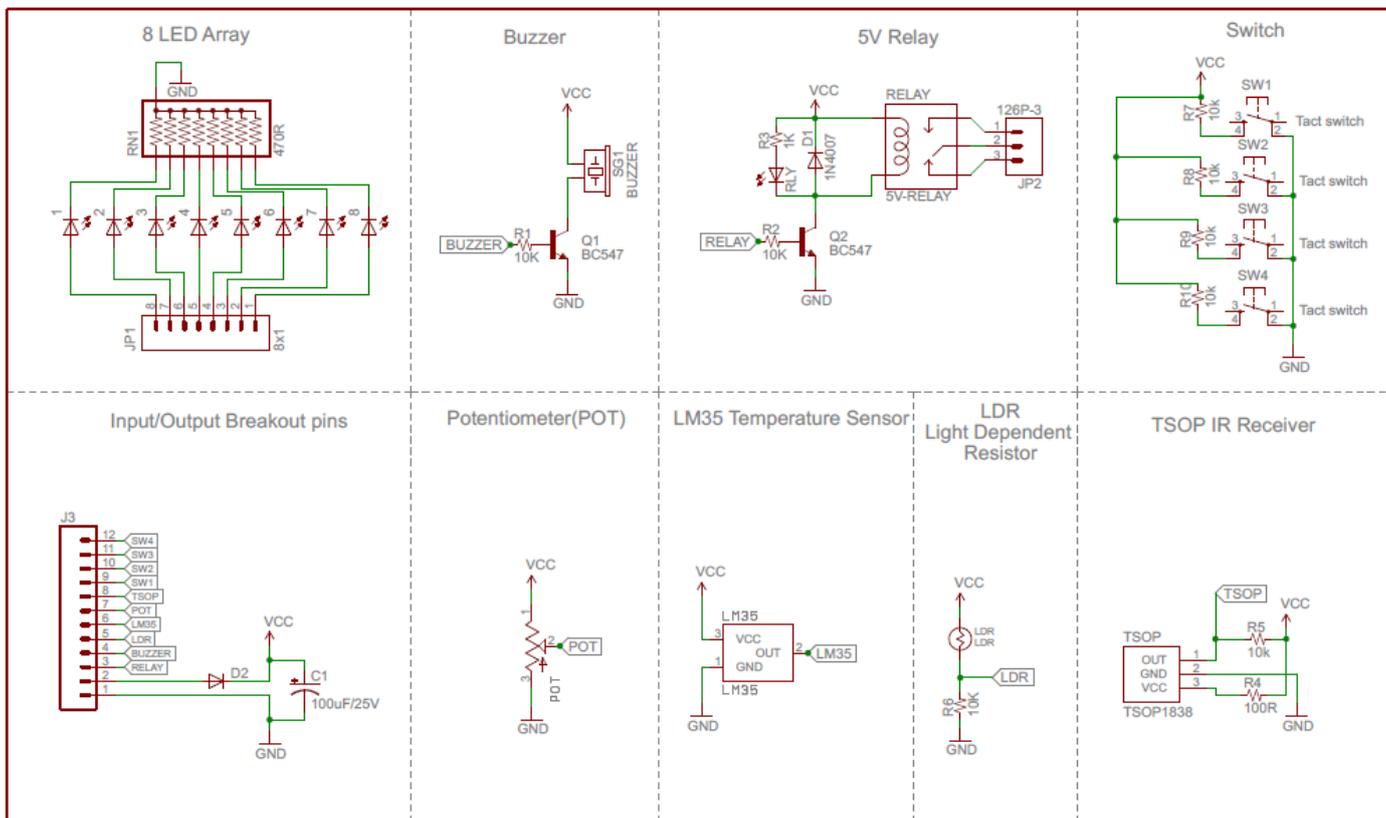
## 2. Features

- **Input**
  1. **Temperature(Analog)**: LM35, linear 10 mV/°C Scale Factor, rated for −55°C to 150°C range
  2. **Light(Analog)**:  5 mm Light Dependent Resistor
  3. **Potentiometer(Analog)**: 10k ohm Sweep Potentiometer
  4. **Infrared Remote Control Receiver(Digital)**: TSOP1838 compatible with 38 KHz IR remotes
  5. **Push Button(Digital)**: 6 mm tact switch
- **Output**
  1. **LEDs(Digital)**: 4-Red, 4 Green Digital outputs
  2. **Piezo Buzzer(Digital)**: Multi-tone Buzzer Frequency up to 2 KHz
  3. **Relay(Digital)**: 250VAC/7A,125VAC/12A,24VDC/12A
- Reverse polarity protection.
- 0.1"(2.54mm) Male headers for digital and analog interface pin.
- High quality PCB FR4 Glass epoxy.
- Four 3mm mounting hole for easy mounting.
- Very small footprint so easy to handling.

## 3. Specifications

- Power supply: 5v DC
- Size: (LxBxH) 55 x 68 x 15mm
- Weight : <100 Gram

## 4. Schematics