ULTRASONIC
SENSOR

HC-SR04

Vcc Trig Echo Gnd
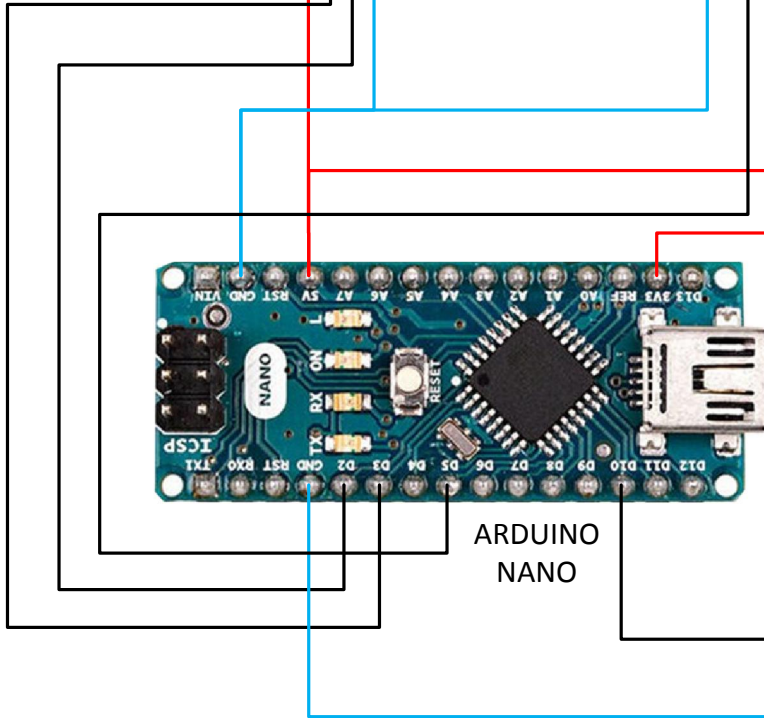
T   R

DISTANCE SELECTOR:
- RIGHT POSITION: short
- LEFT POSITION: long

ARDUINO
NANO

NANO

ON

RX

TX

L

RESET

VIN GND RST 5V A7 A6 A5 A4 A3 A2 A1 A0 REF 3V3 D13

TX1 RX0 RST GND D2 D3 D4 D5 D6 D7 D8 D9 D10 D11 D12

ICSP

1KΩ

2N2222

1N4001

0.1 µF

M
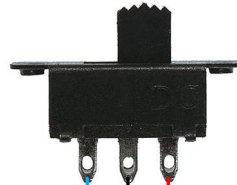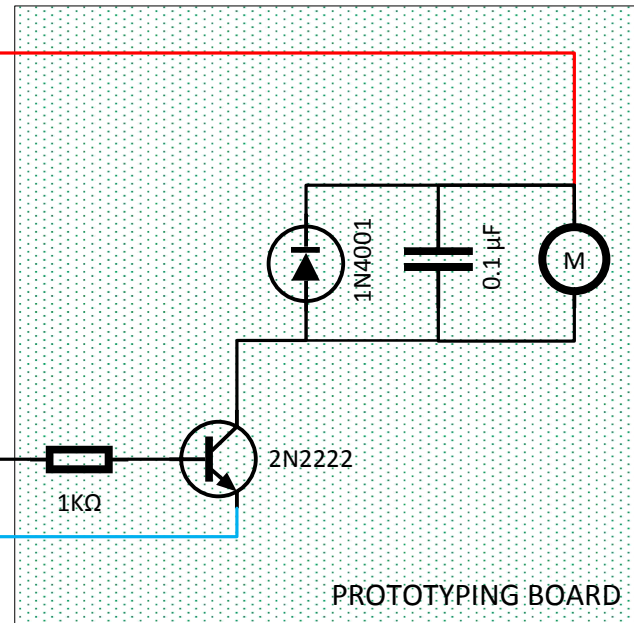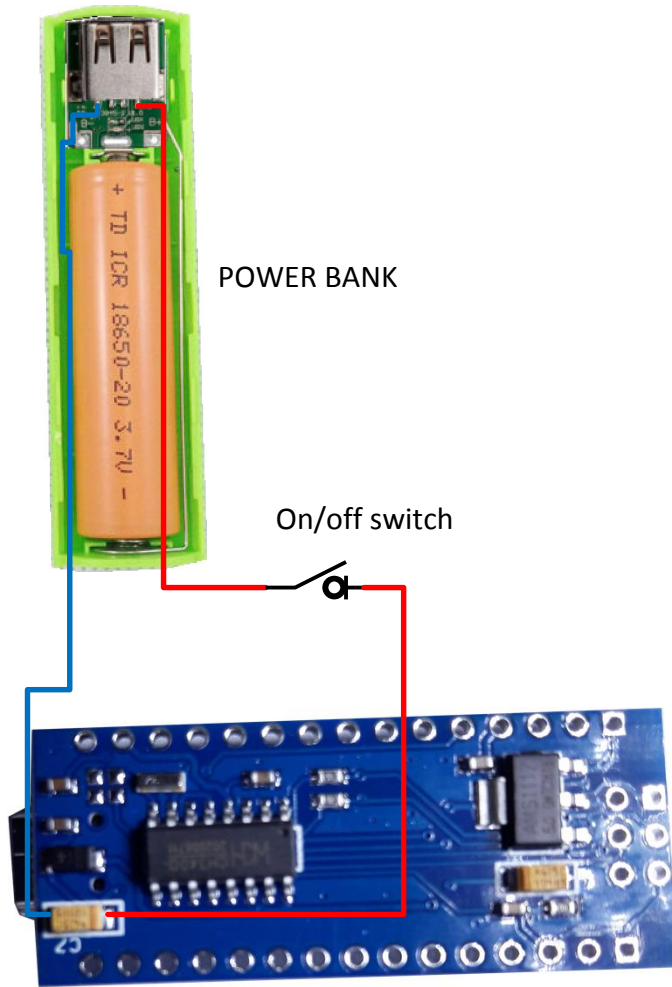
PROTOTYPING BOARD

POWER BANK

On/off switch

ARDUINO
NANO

VIBRATION MOTOR
PROTOTYPING BOARD

3.3 V

1N4001

0.1 µF

D10

1KΩ

1N2222

GND

Vibration
Motor