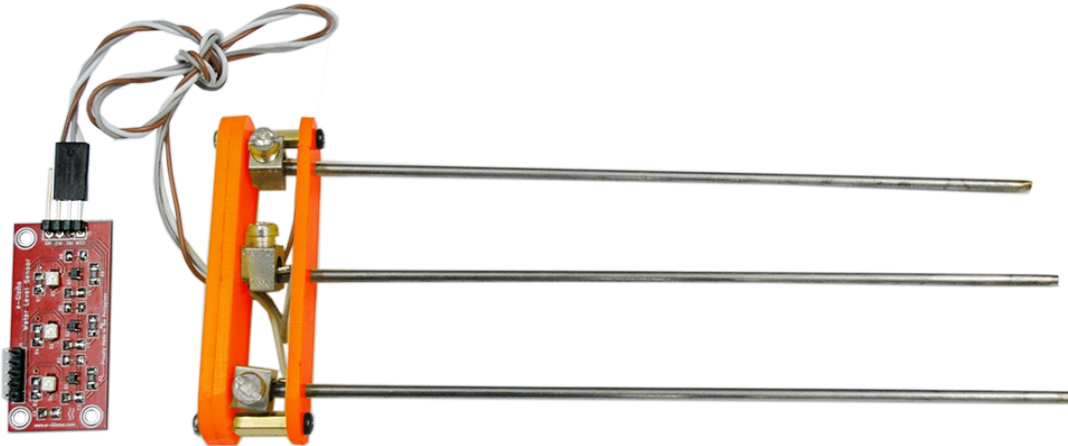
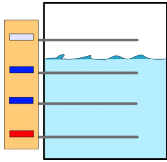


# Water Level Sensor

Technical Manual Rev 1r0



e-Gizmo Water Level sensor with sturdy stainless steel probe also for detecting the level of water. With its simple 3-LED status indicator and gives out a digital output. Compatible in all gizDuino boards.

## FEATURES:

- With sturdy stainless steel probe that you can disassemble for your water level indicator projects.
- Simple out display with its 3 LED status digital output.

## GENERAL SPECIFICATION:

- **Supply Input:** +5VDC
- **PCB Dimension:** 50 mm x 24 mm

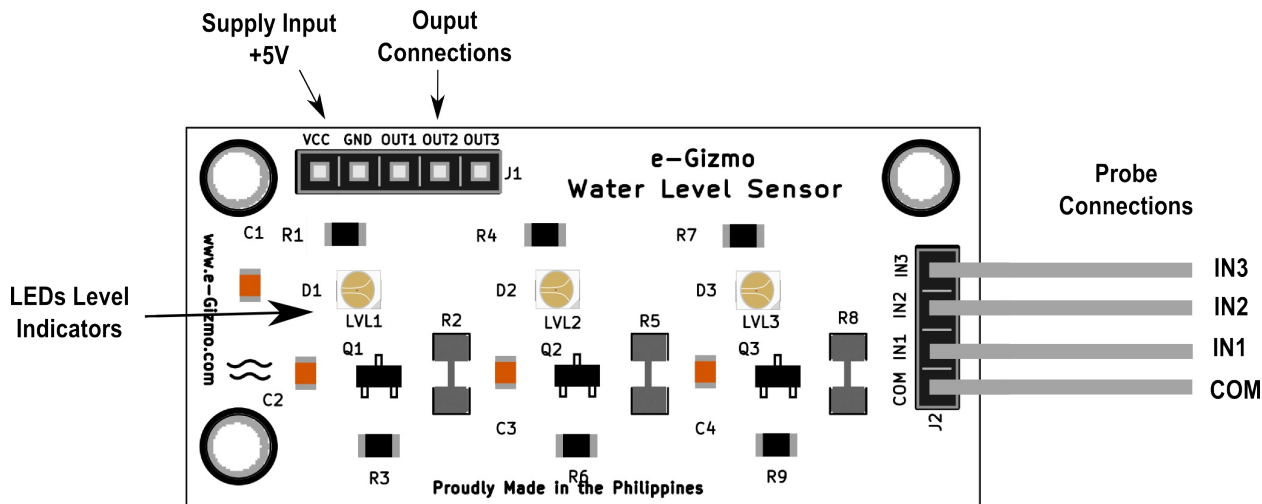


Figure 1. Major parts presentation of e-Gizmo Water Level Sensor

Table 1. J1 connections and descriptions

PIN Name	Descriptions
VCC	+ 5V DC Supply Input
GND	Ground connection
OUT1	Ouput1 LVL1
OUT2	Ouput2 LVL2
OUT3	Ouput3 LVL3



Figure 2. J1 Illustration

Table 2. J2 connections and descriptions

PIN Name	Descriptions
IN3	Input LVL3
IN2	Input LVL2
IN1	Input LVL1
COM	Common VCC

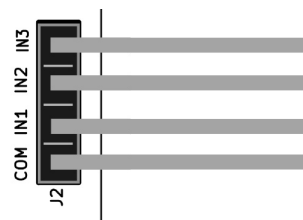


Figure 3. J2 Illustration

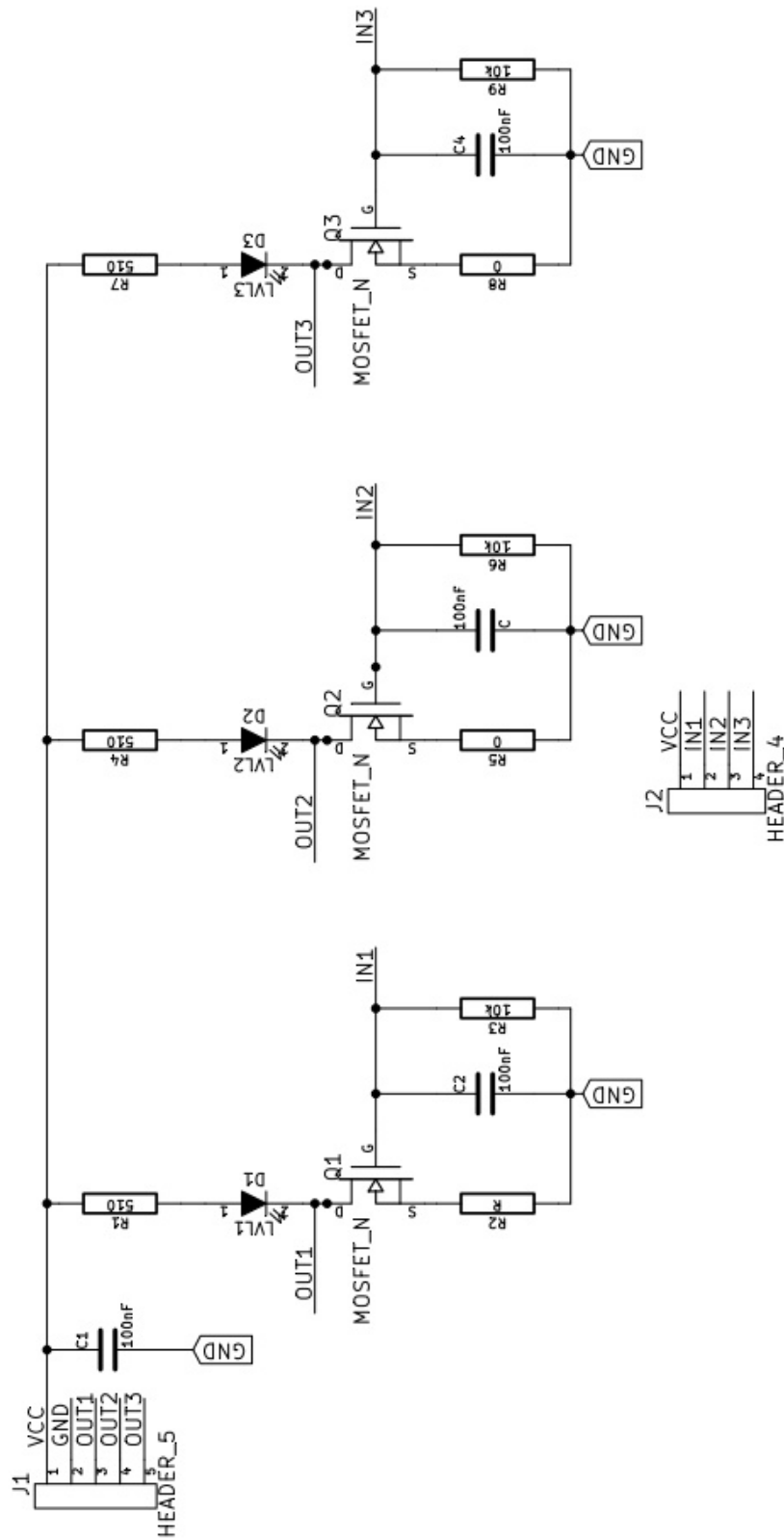


Figure 4. Schematic Diagram of e-Gizmo Water Level Sensor

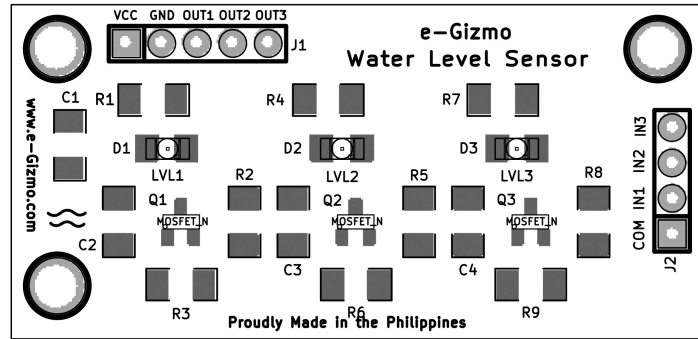


Figure 5. Parts Placement

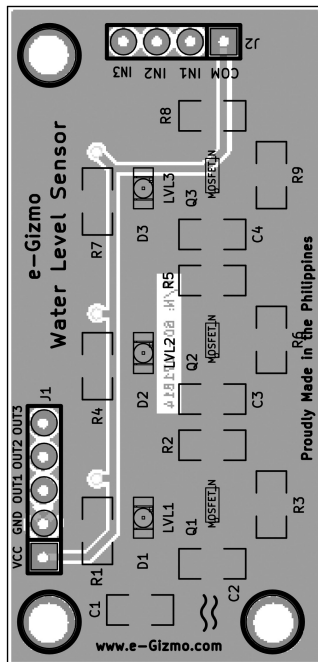


Figure 6. Bottom PCB Guide

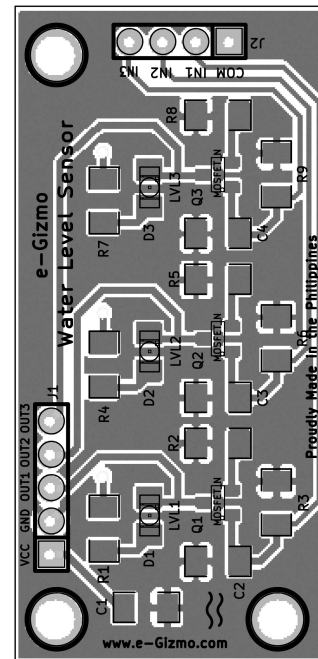
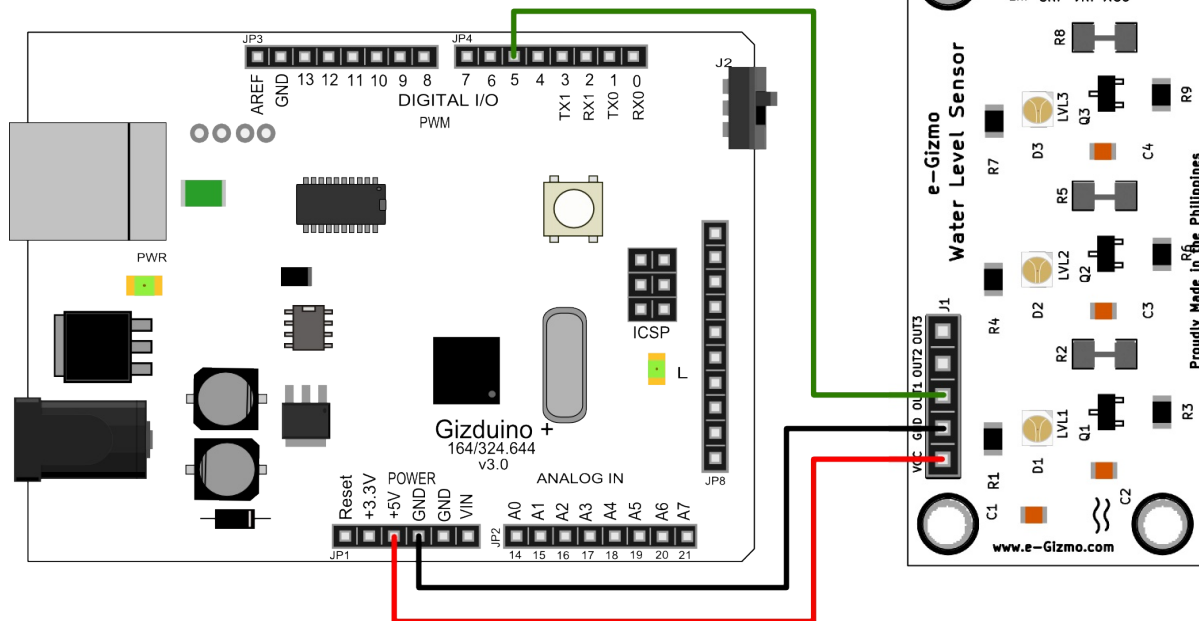


Figure 7. Top PCB Guide

**Figure 8.** Sample Application of e-Gizmo Water Level sensor with Gizduino + MCU board.



### Probe Connections

/\*

e-Gizmo Water Level Sensor  
Sample Codes

Reads the Digital Output on pin 5 and prints the result to the serial monitor.

by  
**e-Gizmo Mechatronix Central**  
November 26, 2014  
<http://www.e-gizmo.com>

\*/

```
// the setup routine runs once when you press reset:
void setup() {
  // initialize serial communication at 9600 bits
```

```
per second:
  Serial.begin(9600);
}
```

```
// the loop routine runs over and over again forever:
void loop() {
```

```
  // read the output on digital pin 5:
  int Level1 = digitalRead(5);
```

```
  // print out the value you read:
  Serial.print("Level 1 = ");
  Serial.print(sensor1);Serial.println(" ");
  delay(1);//delay ms
}
```