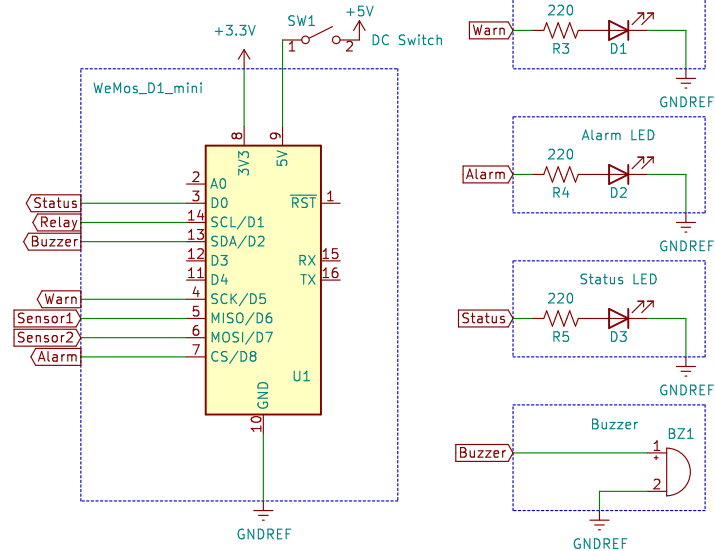


- XKC-Y25-NPN
1. This is a Sinking output sensor. When the internal transistor is Enabled the output lead is connected to Ground.
 2. Mode lead determines if Output active is linked to Water detected or no water detected.
Important: For an NPN sensor the Output is ALWAYS a SINK.
 3. VCC range +5V - +12V. +5V used here.
 4. Wiring: 1-VCC-Brown, 2-Output-Yellow, 3-GND-Blue, 4-Mode-Black
 5. Operating Mode: Mode connected to GND.
Means when water detected the Output lead is OPEN.
 6. For alternative Mode connect the Mode lead to VCC.
(Not used in this circuit)



- Notes:
1. MCU is an ESP8266
 2. ALL GPIO Pins max +3.3V
 3. +5V External PSU required for: the Relay, MCU, and the Water Sensors.
 4. Use a VAC - +5V >500mA Switching power Supply
 5. +3.3V supplied by MCU

Sheet: /
File: WaterLevelAlarm v001.sch Designer: Steven Mulholland

Title: Water Level Monitor & Power Cutoff Controller

Size: A4 Date: 22 March 2021 Rev: 2.1
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