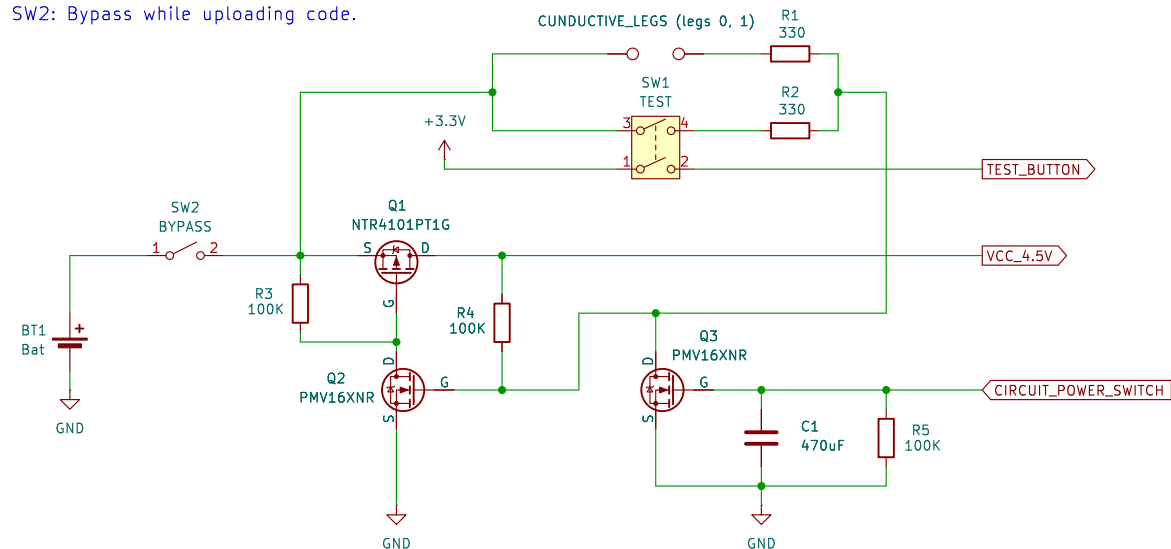


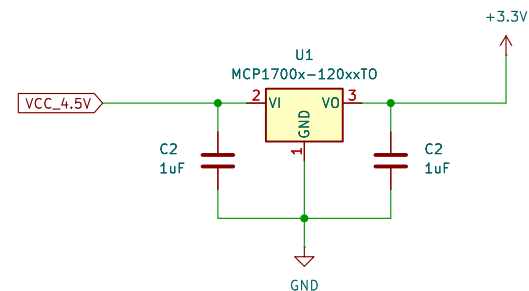
## Soft Latch Power Switch

Activates with circuit closure between legs 0 and 1 (waterleak), or by test button.  
Turn off by pulling CIRCUIT\_POWER\_SWITCH high.  
Driven with three AA batteries  $\approx 3.6\text{--}4.5\text{V}$ .  
SW2: Bypass while uploading code.



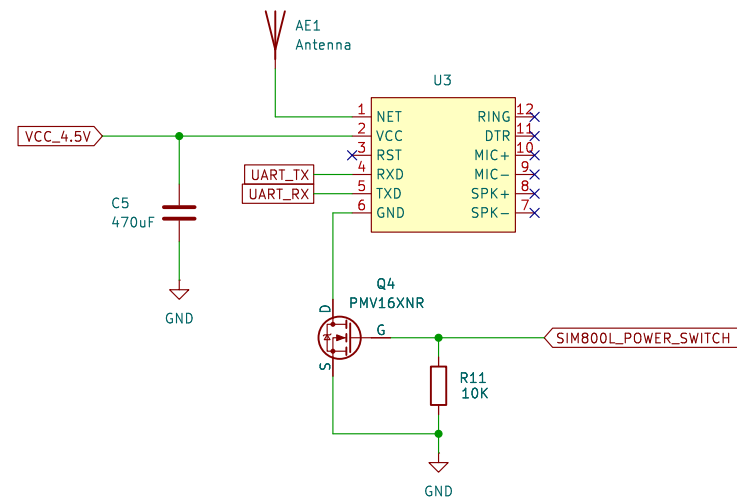
## Power 3.3V LDO

Used for ESP32 and TEST\_BUTTON.



## SIM800L Module

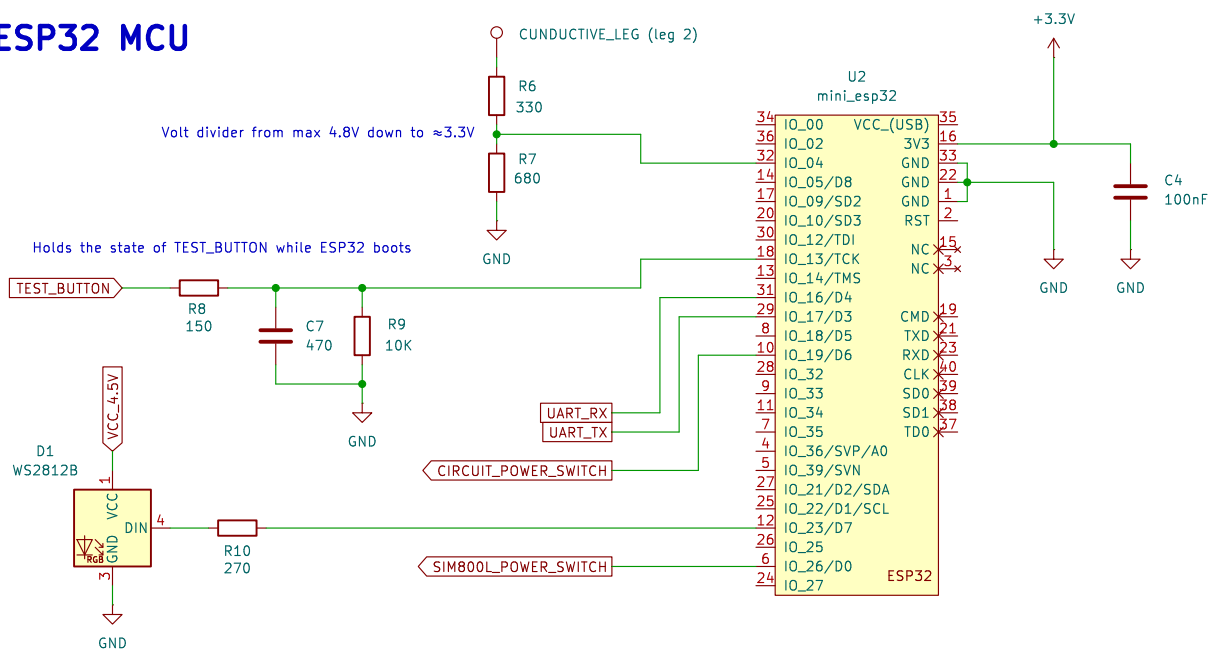
Enable by pulling SIM800L\_POWER\_SWITCH high.  
Big cap needed for transmissions.



## ESP32 MCU

Volt divider from max 4.8V down to  $\approx 3.3\text{V}$

Holds the state of TEST\_BUTTON while ESP32 boots



Sheet: /  
File: water-leak-sms-alarm.kicad\_sch

**Title: Waterleak-SMS-alarm**

Size: A4  
KiCad E.D.A. 8.0.1

Date:  
Rev:  
Id: 1/1