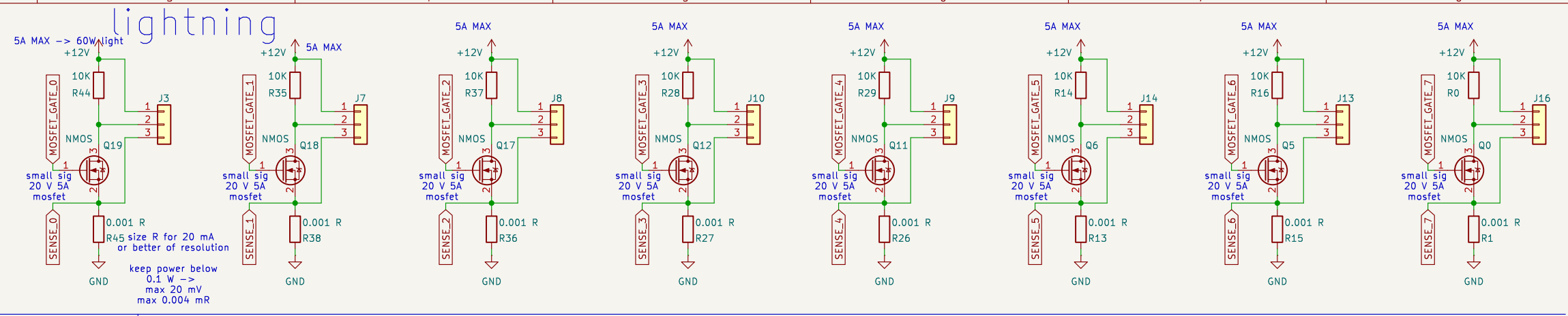


# CAN BUS Power Rail

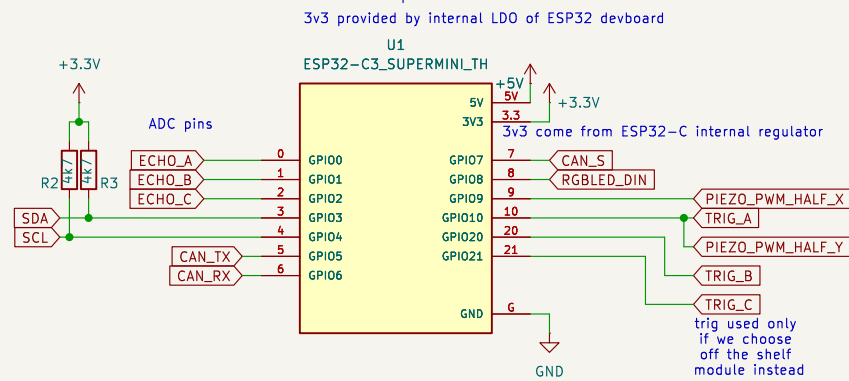
<https://de.aliexpress.com/item/1005005829877910.html>  
DC Buck 80 V to 5V 1 A  
(if we implement RGB strip, get 10A)

Never powered Down so that emergency signal keep blinking

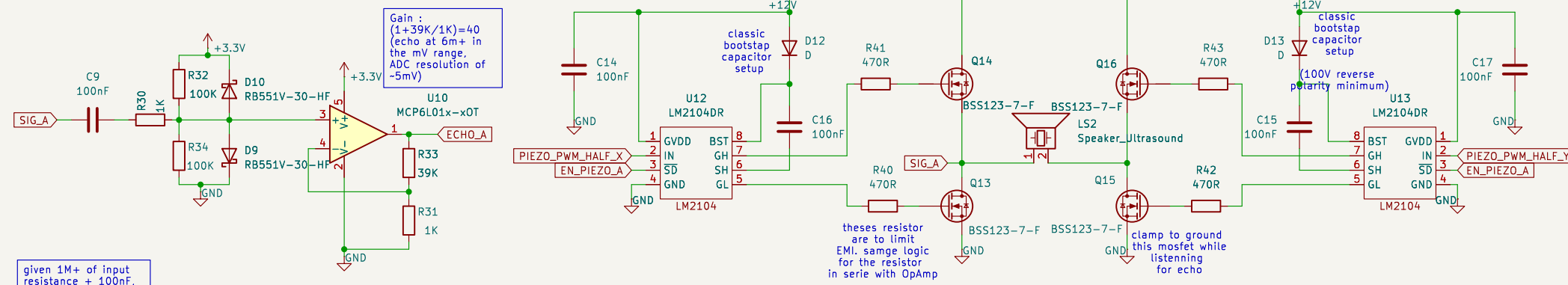
<https://de.aliexpress.com/item/1005009210793105.html>



## Compute

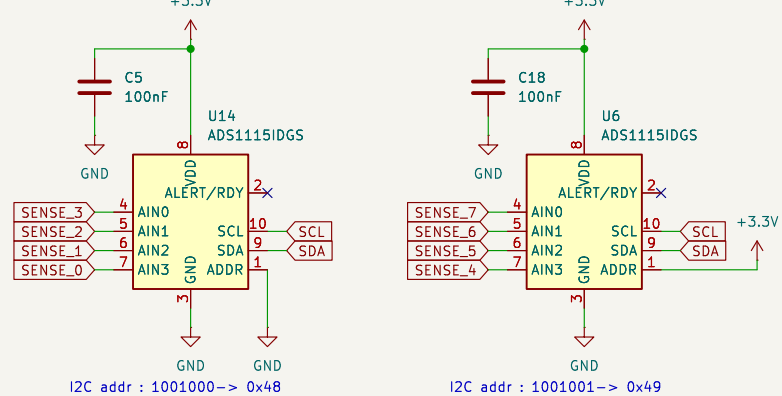


proximity sensor

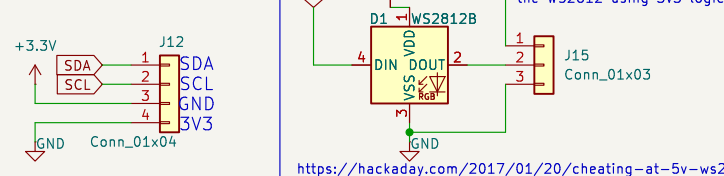
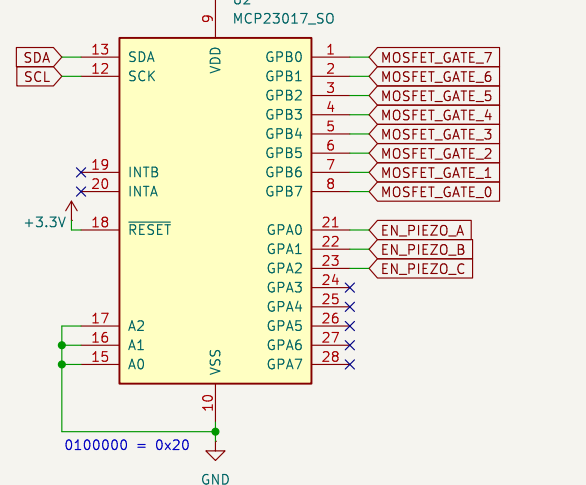


## ADC for current sensing

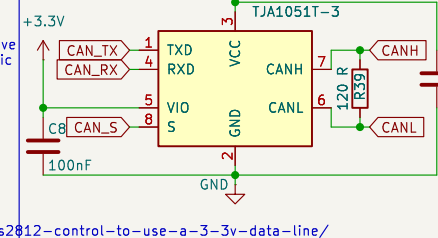
this is mainly to detect fault in the lightning system (dead lamp)  
but it can also be used (crudelly) if one choose to do PWM  
to dim the light and control the current



GPIO



RGB strip | CAN



Sheet: /  
File: velion\_lightboard\_pcb.kicad\_sch

**Title:**

Size: A3	Date:	Rev:
KiCad E.D.A. 9.0.6		Id: 1/1

Rev: 1/1

