

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

Conn_01x04
CAN IN J1

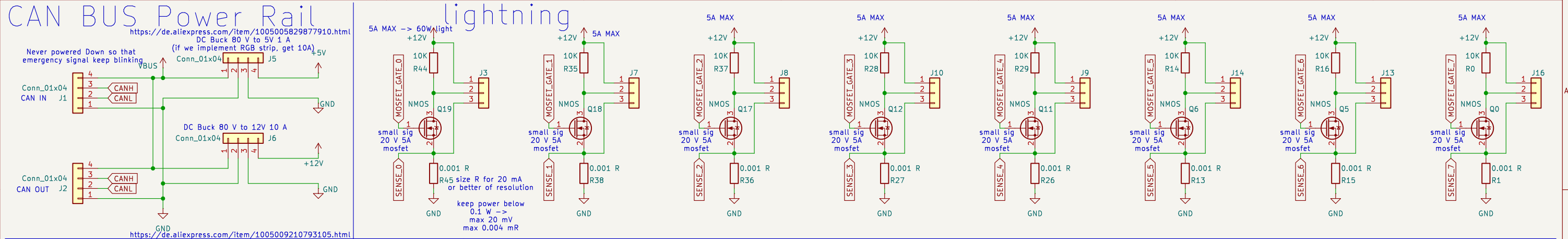
Conn_01x04
CAN OUT J2

DC Buck 80 V to 12V 10 A
Conn_01x04 J6

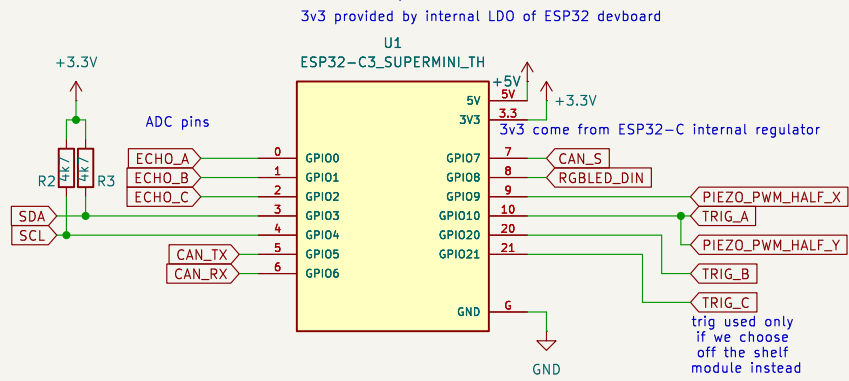
5V
+12V
GND

GND

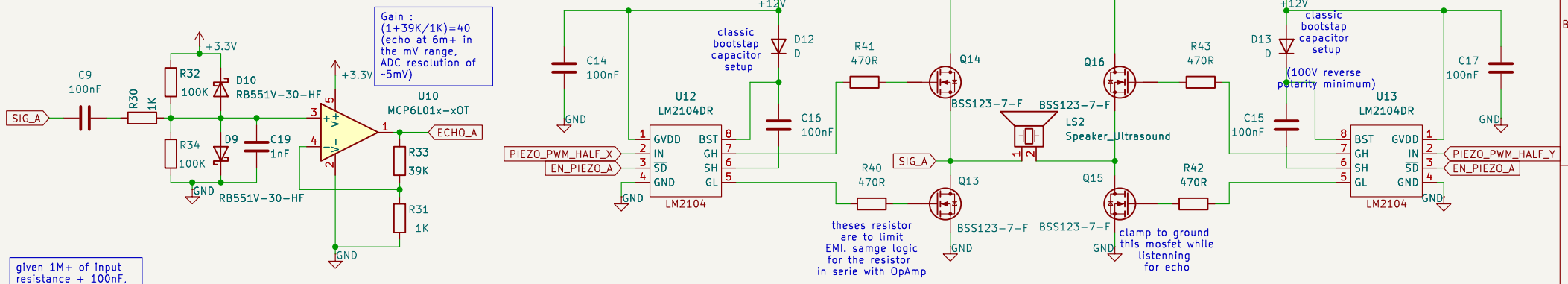
<https://de.aliexpress.com/item/1005009210793105.html>



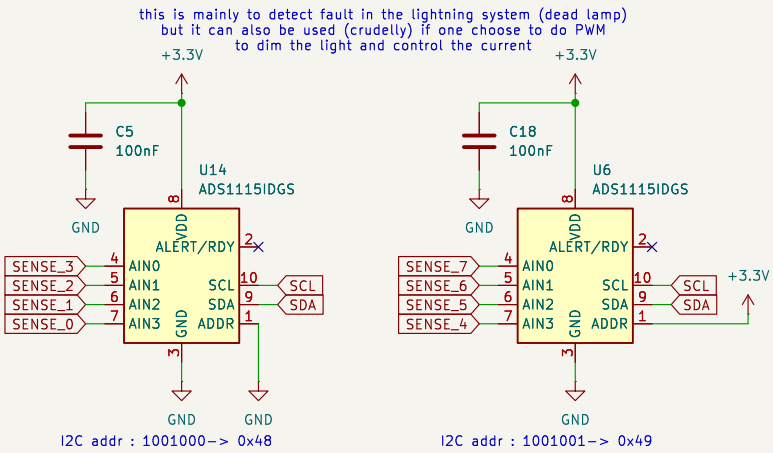
Compute



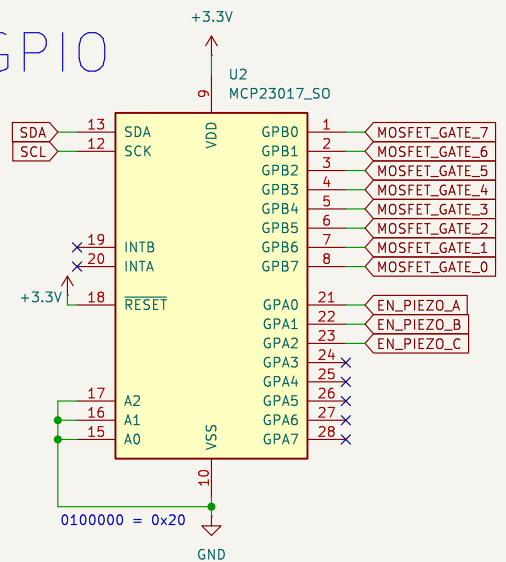
proximity sensor



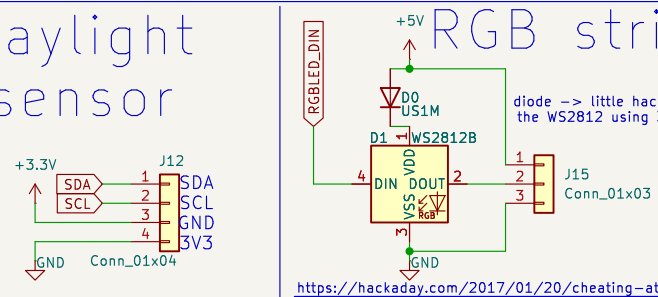
ADC for current sensing



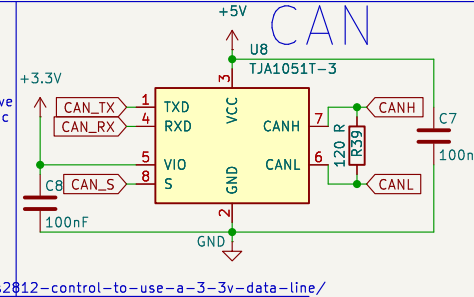
GPIO



daylight
sensor



RGB strip



CAN



Sheet: /
File: velion_lightboard_pcb.kicad_sch

Title:

Size: A3

Date:

Rev:

d: 1/1