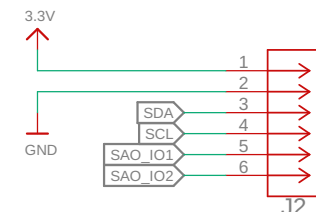
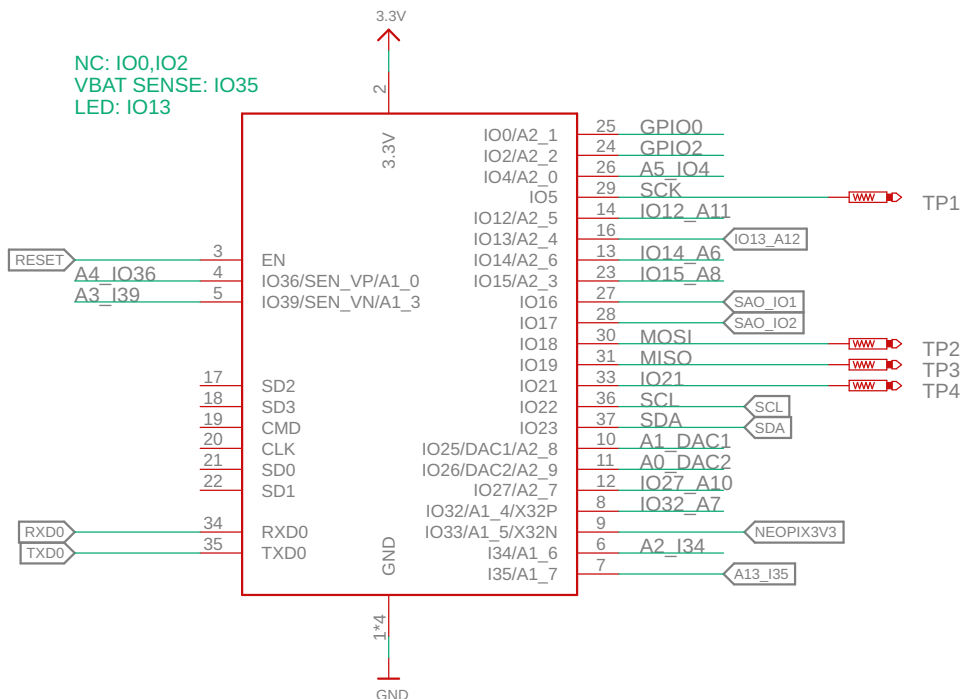


ESP32 MICROCONTROLLER

SAO CONNECTOR

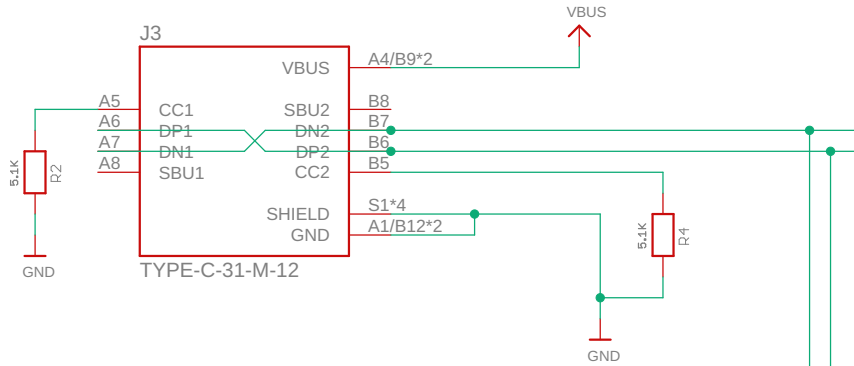


AVAILABLE IO

- A0_DAC2
- A1_DAC1
- A2_I34
- A3_I39
- A4_IO36
- A5_IO4
- SCK
- MOSI
- MISO
- IO21
- IO13_A12
- IO12_A11
- IO27_A10
- IO15_A8
- IO32_A7
- IO14_A6

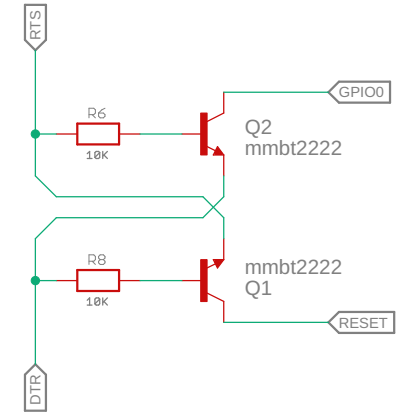
ISSUE	>COMPANY		© >YEAR
DRAWN >DRAWN	TITLE NorthSec2022 V3		REV >REV
CHECKED >CHECKED	DATE 2023-04-29 7:12 PM		DRG N° >DRGNO
DATE >DATE	FILE: version4		PAGE: 1 / 1

Mnfr: Korean Hroparts Elec
Part#: TYPE-C-31-M-12
JLCPCB#: C165948

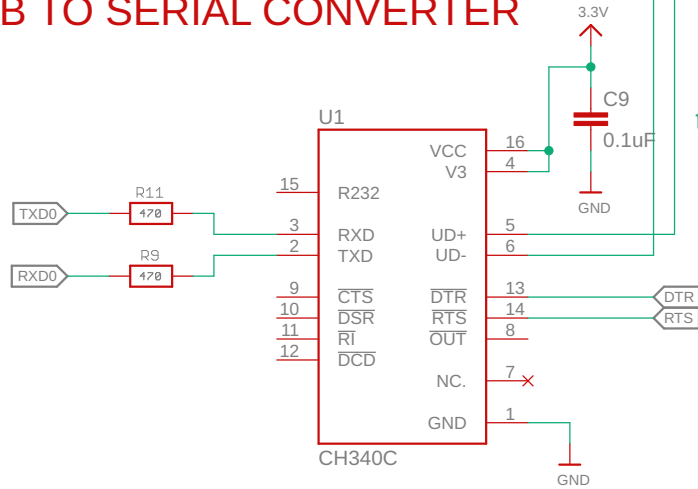


ESD PROTECTION

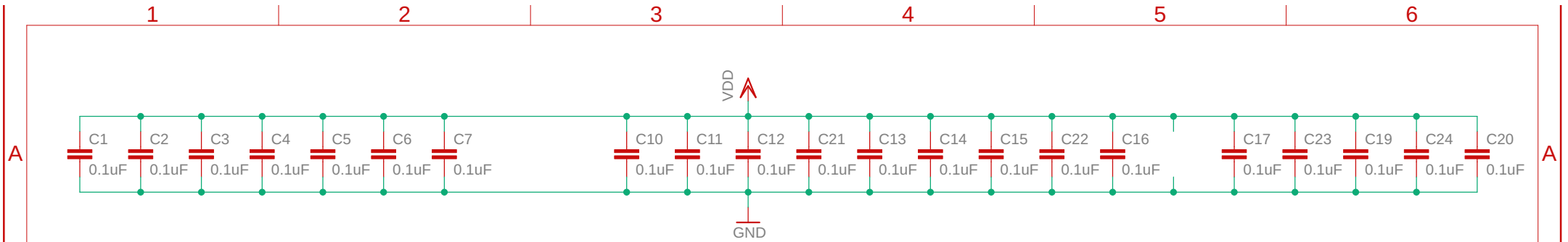
AUTO-RESET CIRCUIT



USB TO SERIAL CONVERTER



todo: standard c29 to 0603



CHANGE LOG V3e -> V3f

- move battery charger before the switch
- added holes to slide switch
- remapped slide switch
- added level converter to first neopixel 3V3 to 5V

V3f -> V3g

- added Vdd and 3V3 LED status

V3g -> V3h

- updated LEDVDD to 3.3V
- added test points on SPI

V3h -> V3i

- rollback LEDVDD to 5V
- replaced level-converter to BSS138 from test results

V3i -> V3j

- aesthetic update

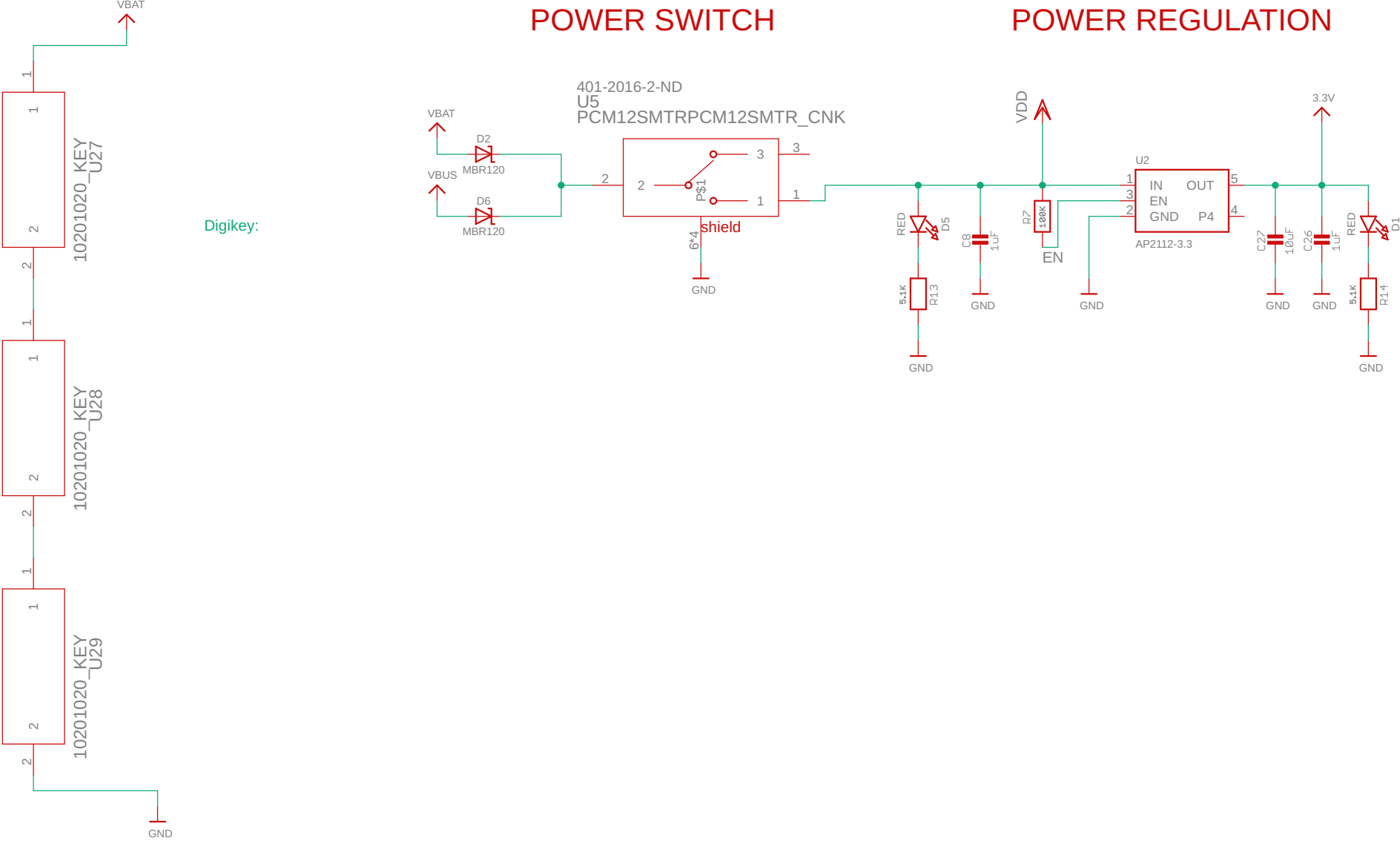
BATTERY 3x AAA

Digikey: 36-1020-ND

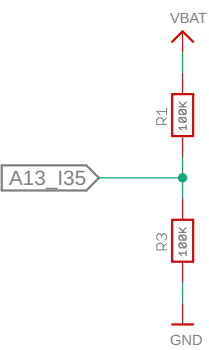
Digikey:

POWER SWITCH

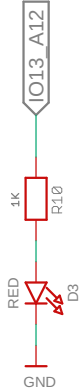
POWER REGULATION



BATTERY SENSING



STATUS LED



RESET BTN

