

Rubén G.S.

Making Devices

Sheet: /Dpad/

File: Dpad.kicad_sch

Title: Dpad with debouncing filter

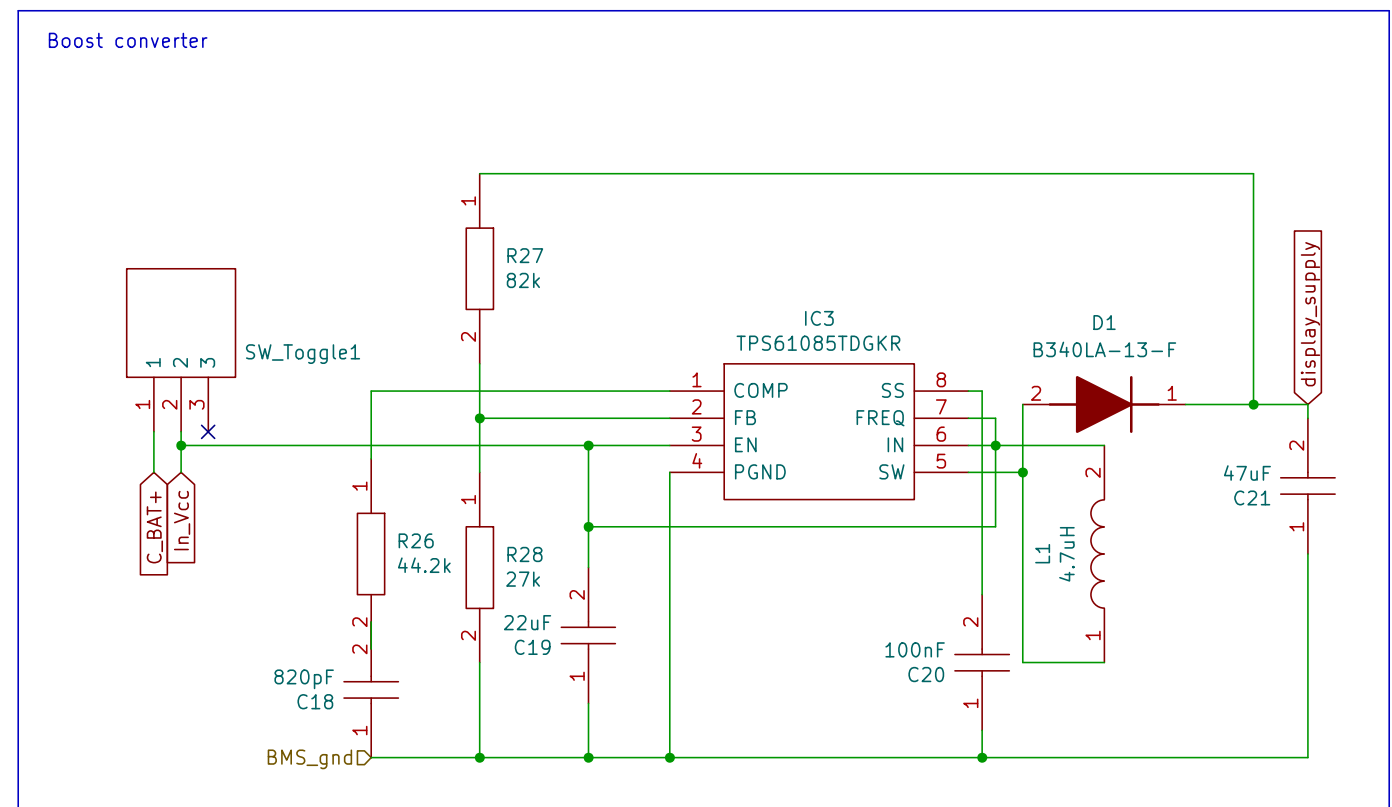
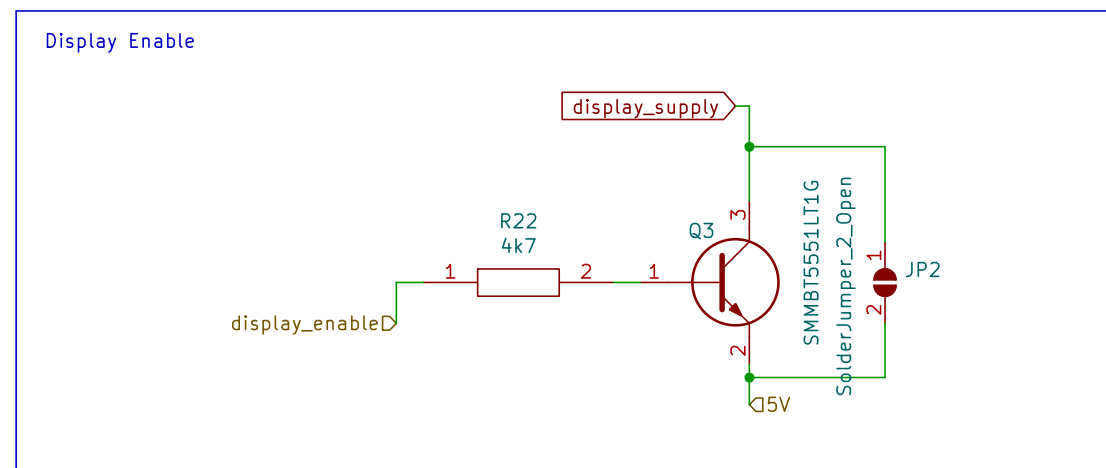
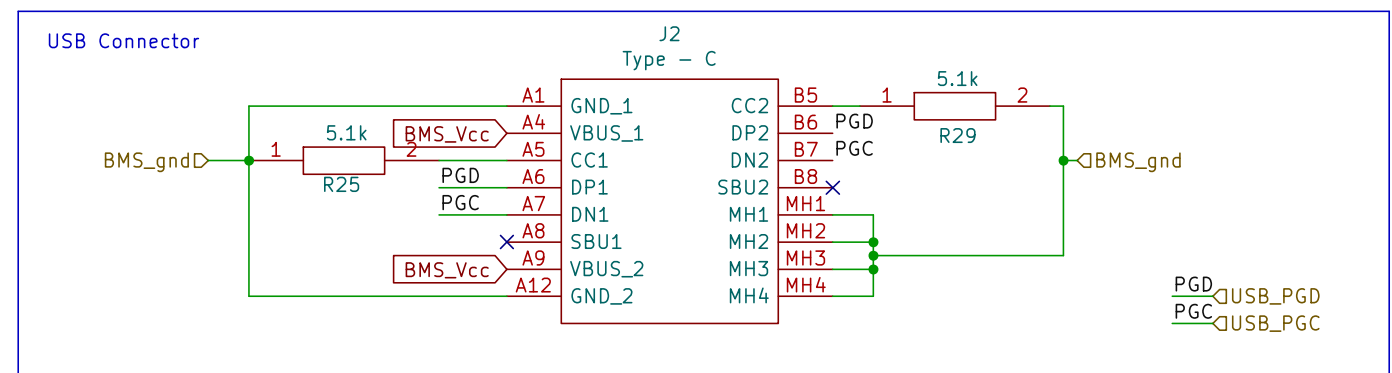
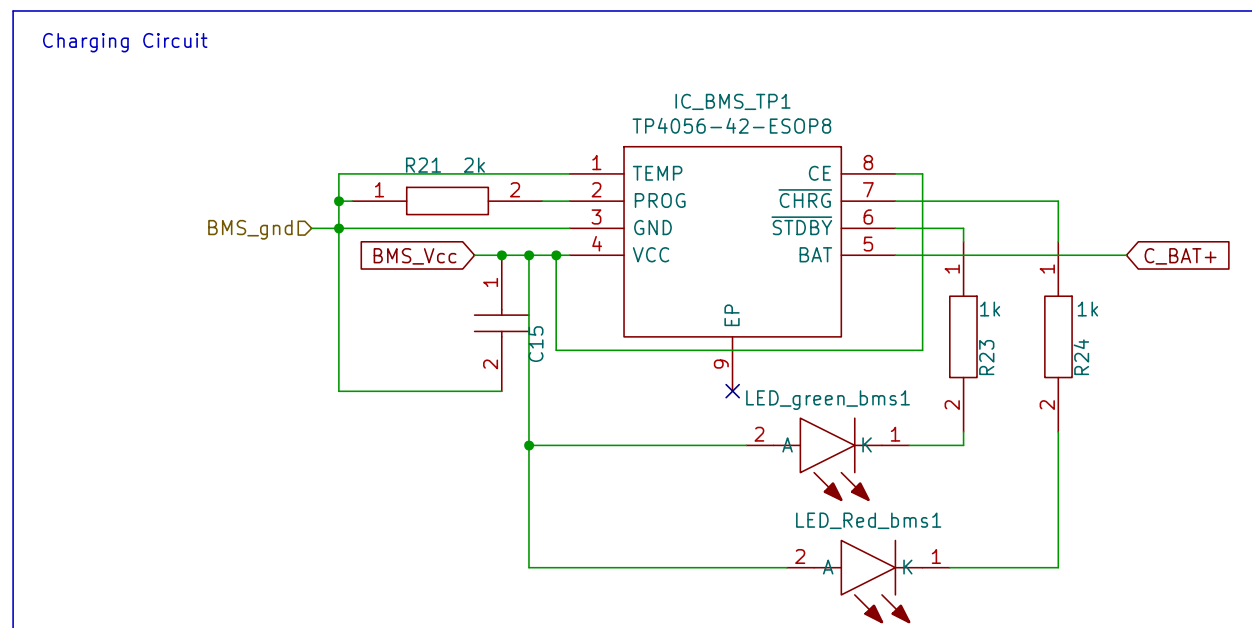
Size: A4

Date: 2023-07-03

Rev: V1.0

KiCad E.D.A. 8.0.5

Id: 3/3



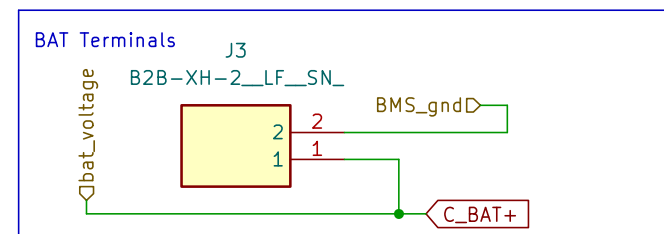
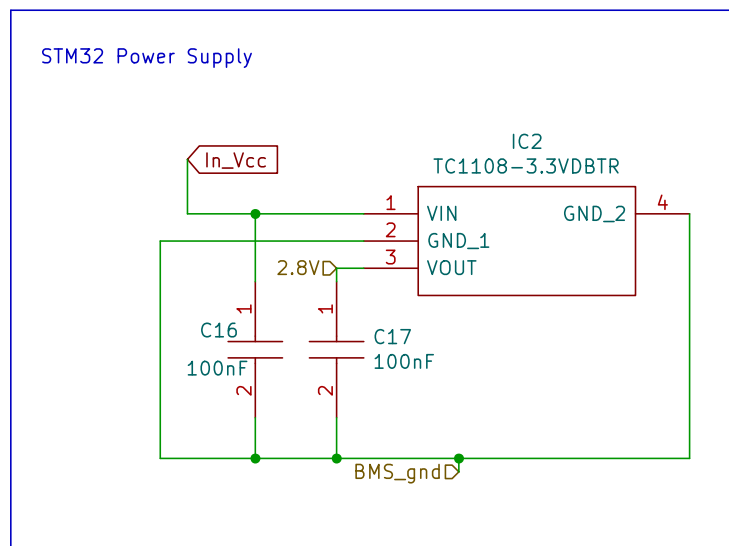
BMS CIRCUIT:
Charging:
-TP4056 as a well-known charging IC, up to 500mA with a 2.1K PROG resistor.
-We do not use NTC for the battery in order to save costs.

Protection IC:
–None. You must choose a battery with integrated PCM

- Boost Converter:
- TPS61085TDGKR as main chip.
- Toggle Switch.
- 5V fix output voltage. 1A maximum output current
- New diode: B340LA-13-F

USB type C
-Type C connector.

Power Supply Main IC:
- TC1108 - 3.3V
- 300mA for the uc



Rubén G.S.

Making Devices

Sheet: /BMS/

File: BatteryCharger.kicad_sch

Title: BMS

Size: A4

Date: 2024-09-17

KiCad E.D.A. 8.0.5

Rev: V0.1

Id: 4/3