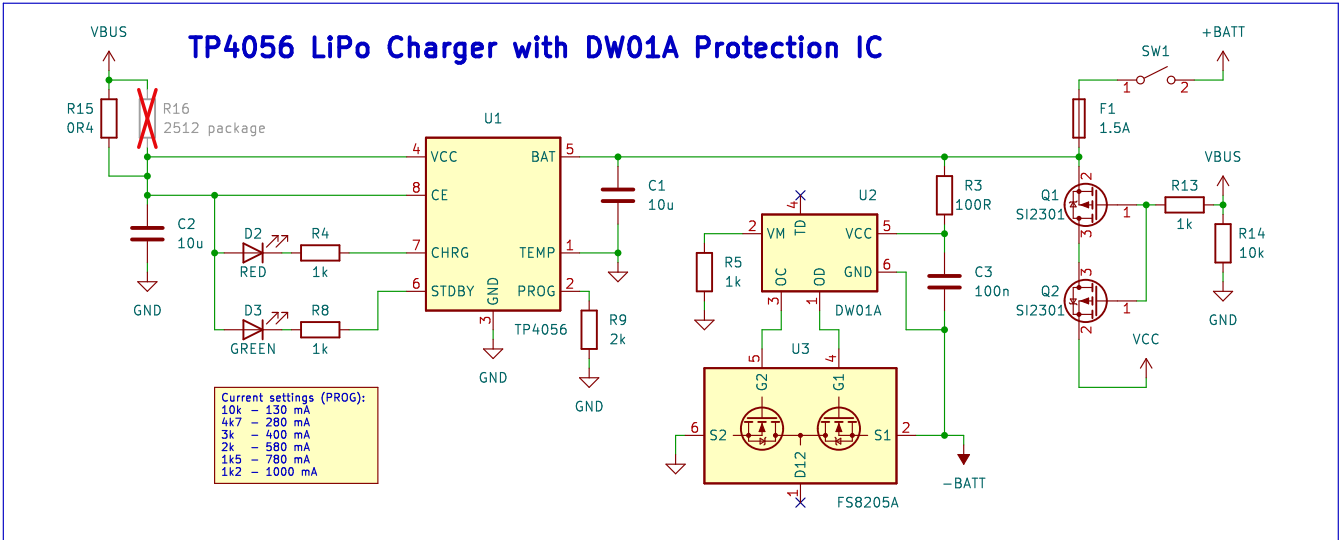


Type C Connector

The diagram illustrates the internal wiring of a 6-pin Type-C connector (J1). The connector pins and their connections are as follows:

- SHIELD**: Connected to a shield signal (S1).
- A12**: Connected to GND.
- CC1**: Connected to pin A5.
- CC2**: Connected to pin B5.
- A9**: Connected to the VBUS line.
- A5**: Connected to a network of resistors (R6, 5k1) and diodes (D1, SMBJ12CA) leading to VCC.
- B5**: Connected to a network of resistors (R7, 5k1) and diodes (D1, SMBJ12CA) leading to VCC.

The VBUS line is connected to a USB symbol and a diode (D1) leading to VCC. The VCC line is connected to a diode (D4) leading to VCC. The diagram is labeled "Type-C_6P".



TPS63020 Buck-Boost Converter

The diagram illustrates the circuit configuration for the TPS63020 Buck-Boost Converter. The IC (U4) is shown with its pins connected to various components. The input voltage (VIN) is connected to the VIN pin (pin 10) through capacitors C4 (10uF) and C5 (10uF). The output voltage (VOUT) is connected to the VOUT pin (pin 4) through a network of resistors (R10, R11, R12) and capacitors (C6, C7, C8, C9, C10). The feedback network (R10, R11, R12) is connected to the FB pin (pin 3). The output is regulated to +5V.

UV LEDS

LEDS

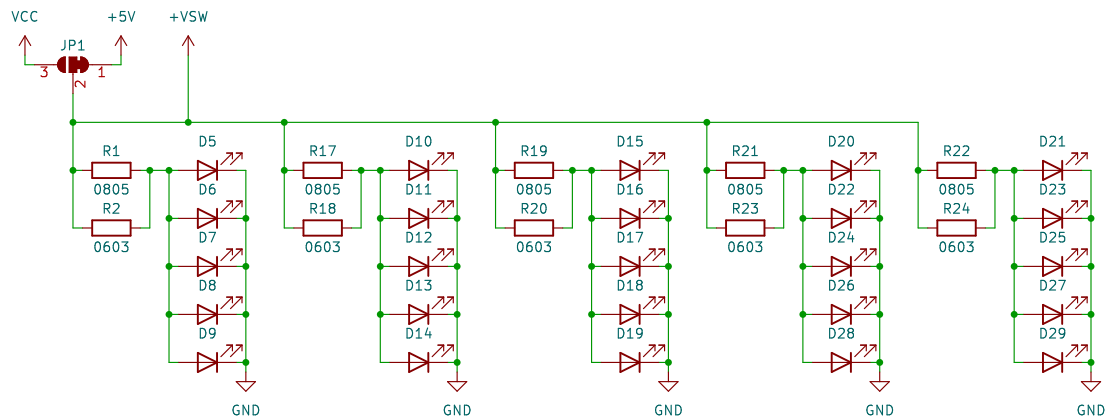


File: LEDS.kicad_sch

The diagram shows four connector types: H1, H2, H3, and H4. H1 and H2 are JST PH connectors with +BATT and -BATT connections. H3 and H4 are JST PH connectors with +VSW and -BATT connections. H5 and H6 are JST PH connectors with +VSW and GND connections.

Title:		
Size: A4	Date:	Rev:
KiCad E.D.A. kicad 7.0.8		Id: 1/2

Size: A4	Date:	Rev:
KiCad E.D.A. kicad 7.0.8		Id: 1/2



Sheet: /LEDS/
File: LEDS.kicad_sch

Title:

Size: A4

Date:

KiCad E.D.A. kicad 7.0.8

Rev:

Id: 2/2