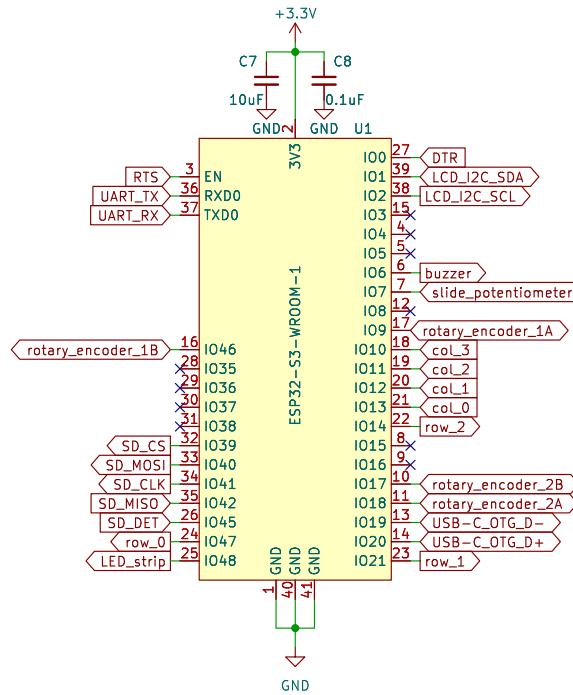


uC pinout



Power source



File: power-source.kicad_sch

IO



File: io.kicad_sch

USB-C interface



File: usb-c-interface.kicad_sch

Micro SD connector



File: micro-sd-connector.kicad_sch

Sheet: /
File: keypad.kicad_sch

Title: Keypad board

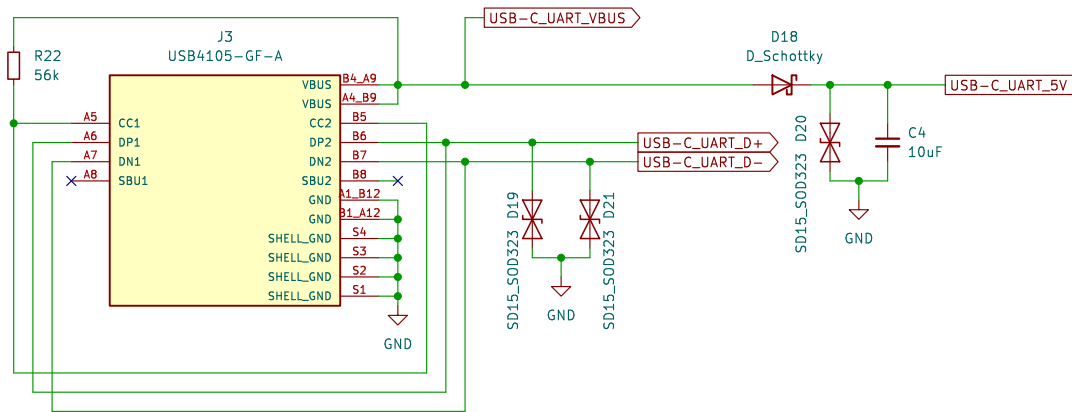
Size: A4 Date: 2023-11-15

KiCad E.D.A. kicad 7.0.8

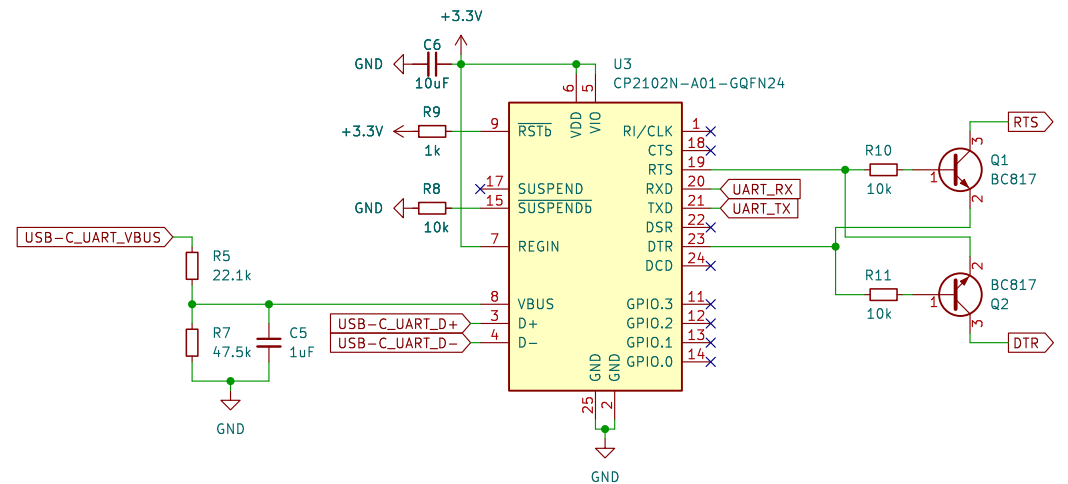
Rev: 1.1

Id: 1/7

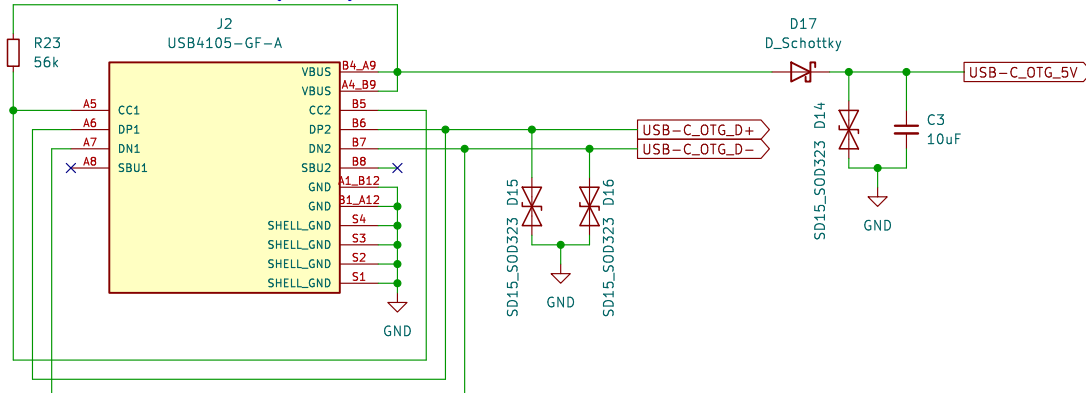
USB-C (UART)



USB-UART converter



USB-C (OTG)



Sheet: /USB-C interface/
File: usb-c-interface.kicad_sch

Title: Keypad board

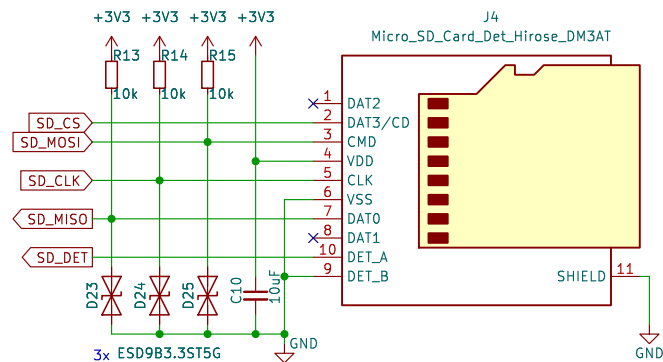
Size: A4 Date: 2023-11-15

KiCad E.D.A. kicad 7.0.8

Rev: 1.1

Id: 4/7

Micro SD connector



Sheet: /Micro SD connector/
File: micro-sd-connector.kicad_sch

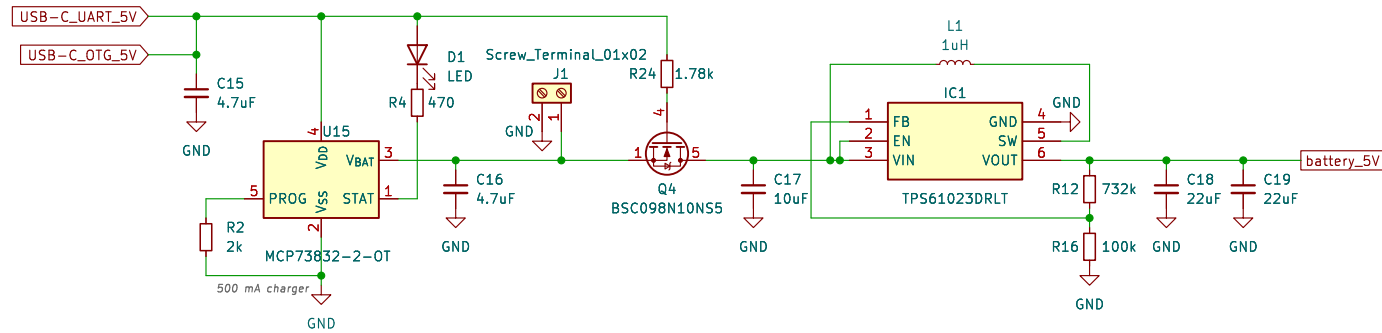
Title: Keypad board

Size: A4 Date: 2023-11-15
KiCad E.D.A. kicad 7.0.8

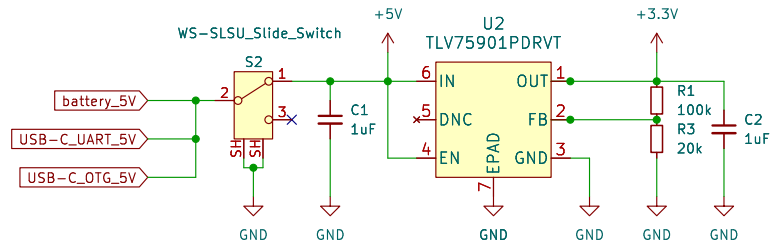
Rev: 1.1
Id: 5/7

Battery power source with charging circuit

use protected Li cells only!



5V LDO



Sheet: /Power source/
File: power-source.kicad_sch

Title: Keypad board

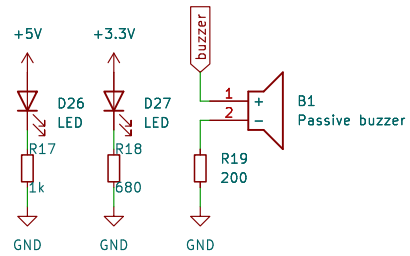
Size: A4 Date: 2023-11-15

KiCad E.D.A. kicad 7.0.8

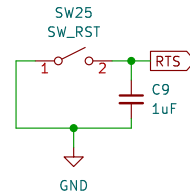
Rev: 1.1

Id: 6/7

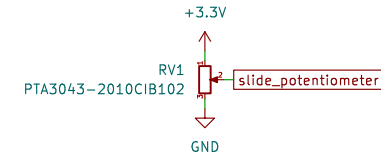
Indicators



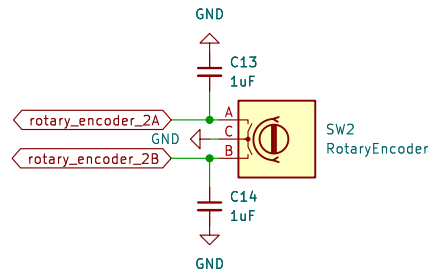
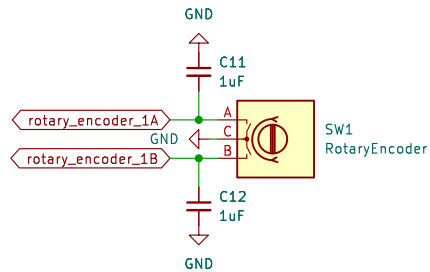
Manual reset



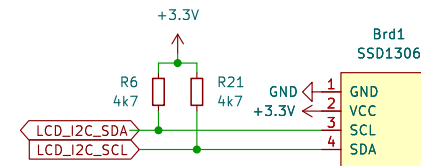
Slide potentiometer



Rotary encoders



LCD Display

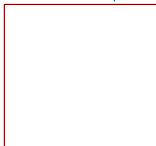


Button matrix1



File: button-matrix.kicad_sch

Button led strip1



File: button-led-strip.kicad_sch

Sheet: /10/
File: io.kicad_sch

Title: Keypad board

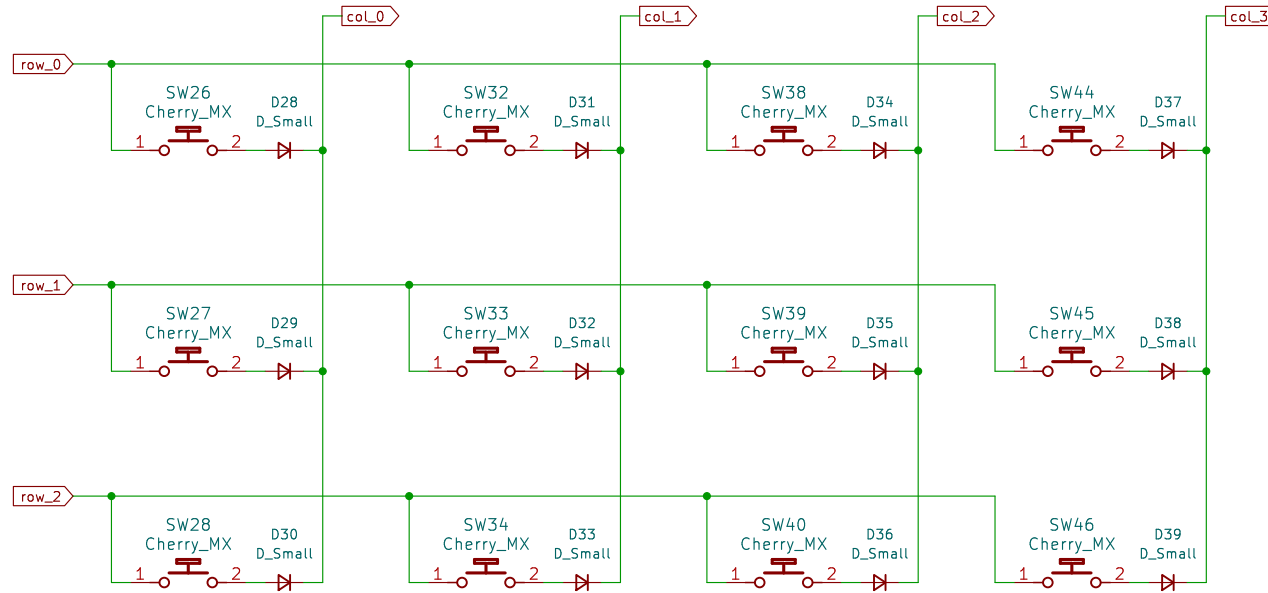
Size: A4 Date: 2023-11-15

KiCad E.D.A. kicad 7.0.8

Rev: 1.1

Id: 7/7

Button matrix (4x3)



Switches – best if transparent for LED light pass through (e.g. LED Cherry MX)
Diodes – 12x 1N4148W-13-F

Sheet: /IO/Button matrix1/
File: button-matrix.kicad_sch

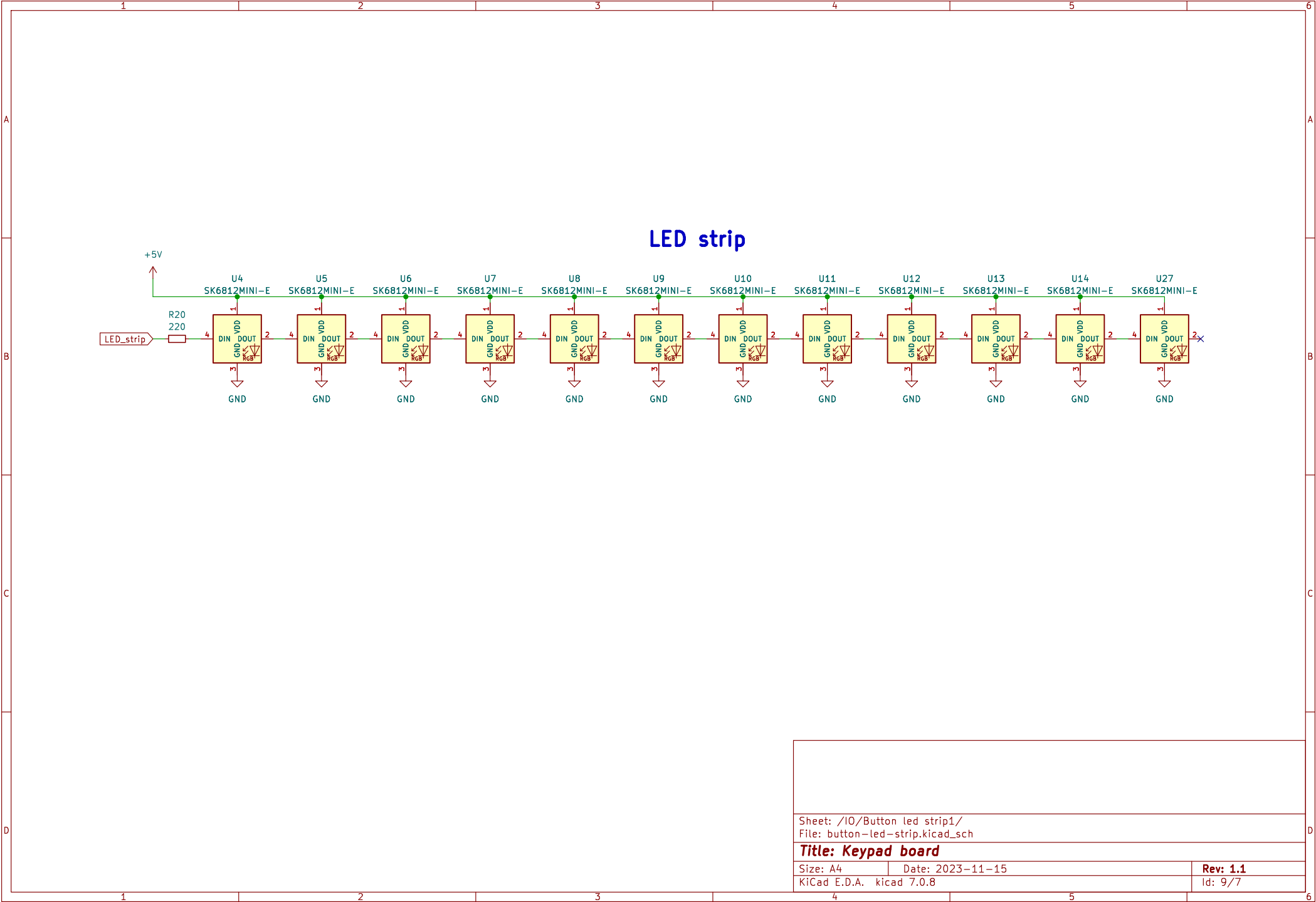
Title: Keypad board

Size: A4 Date: 2023-11-15

KiCad E.D.A. kicad 7.0.8

Rev: 1.1

Id: 8/7



Sheet: /IO/Button led strip1/
File: button-led-strip.kicad_sch

Title: Keypad board

Size: A4 Date: 2023-11-15
KiCad E.D.A. kicad 7.0.8

Rev: 1.1
Id: 9/7