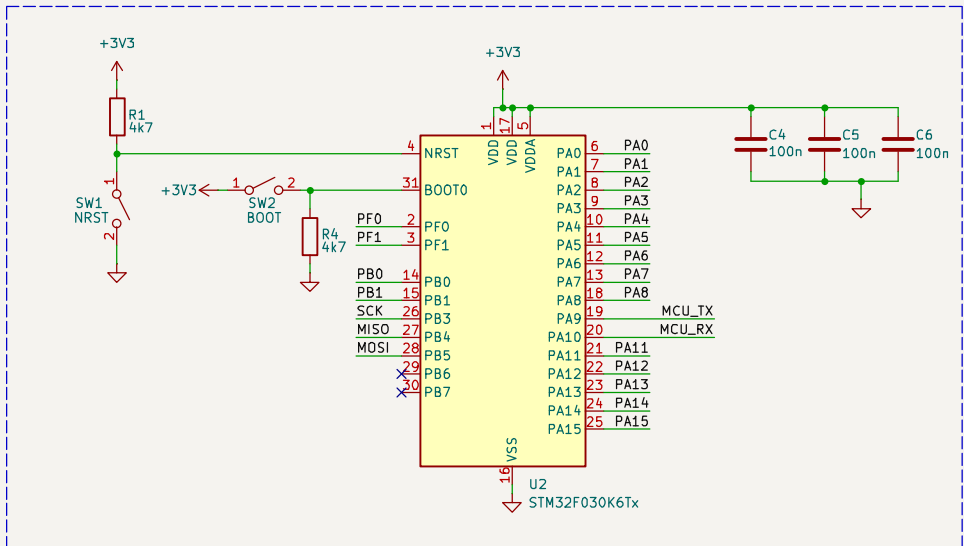


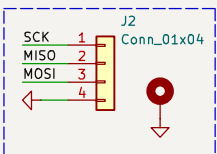
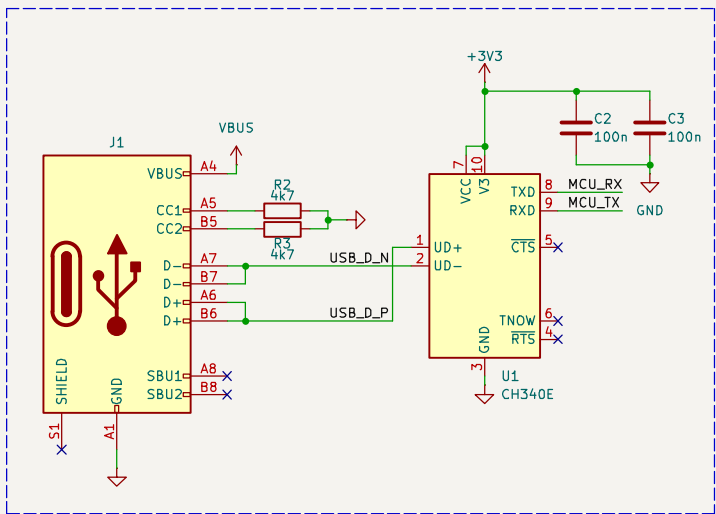
# Charlieplexing

## STM32F030K6T6

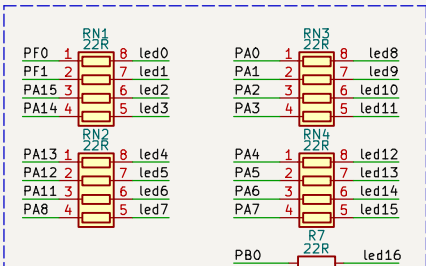


Pin-out using STM32IDECube

## USB to UART

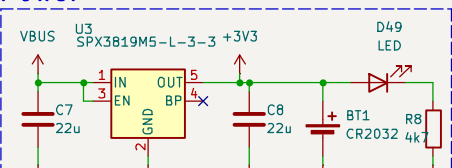


## Current Limit Resistor



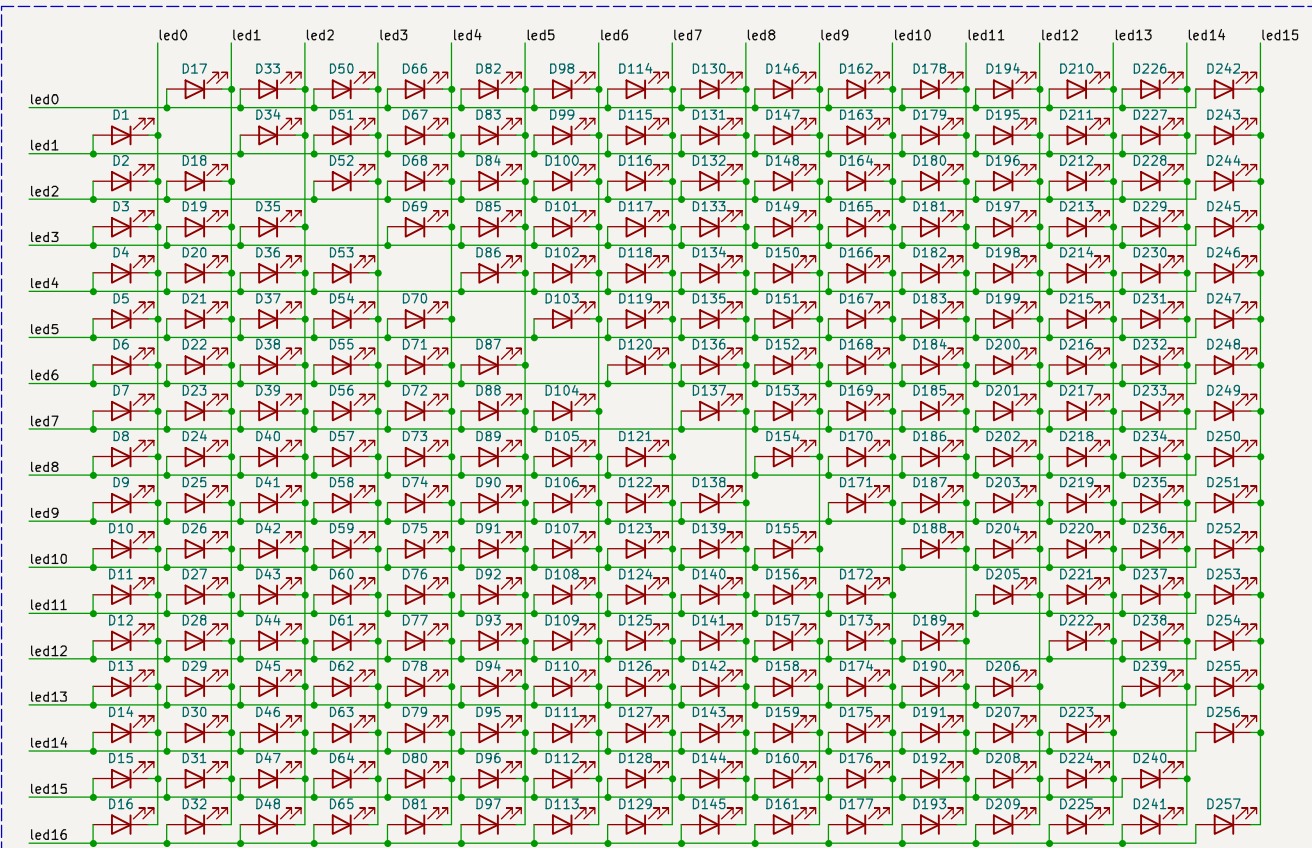
Current limit for each pin.  
max. 16mA min. 3.9mA  
total current VDD: max. 62.4mA min. 16mA

## Power



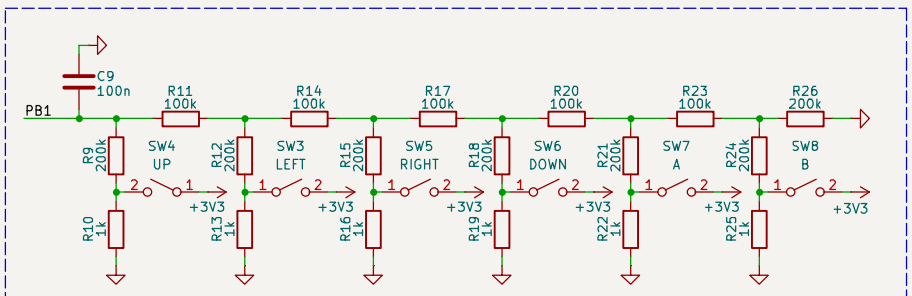
VBUS from USB (nom. +5V) Min. 22uF inp./outp. caps

## LED Matrix



16x16 leds control by 17 GPIO pin

## Switch



6 switches read by 1 ADC pin

yusenpai

Sheet: /

File: charlieplexing.kicad\_sch

Title: Charlieplexing with STM32

Size: A3 Date: 2024-04-30

KiCad E.D.A. 8.0.7

Rev: 1.0

Id: 1/1