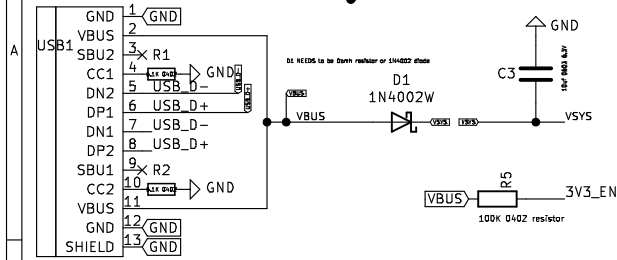


2x 5.1K Resistors on the CC pins will = 5V@1.5A  
this is the recommended default config for type-c

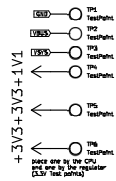
## USB/POWER



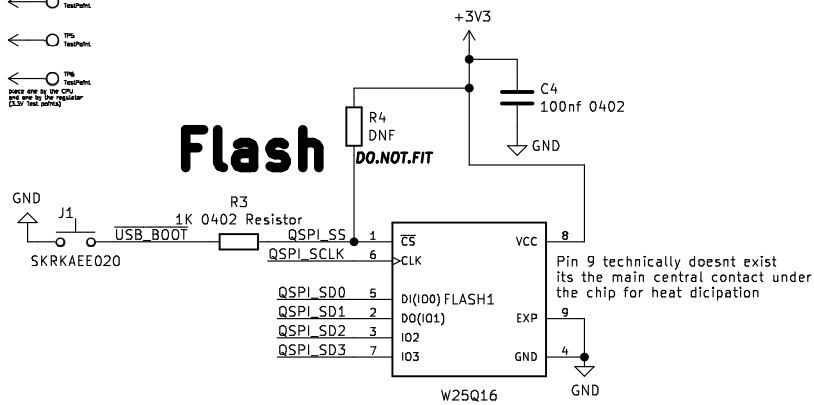
TYPE-C-31-M-12

KoreanHROParts  
USB\_C\_Receptacle\_HRO\_TYPE-C-31-M-12

Test points

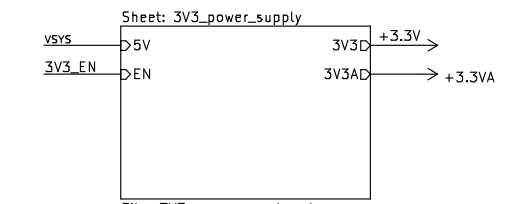
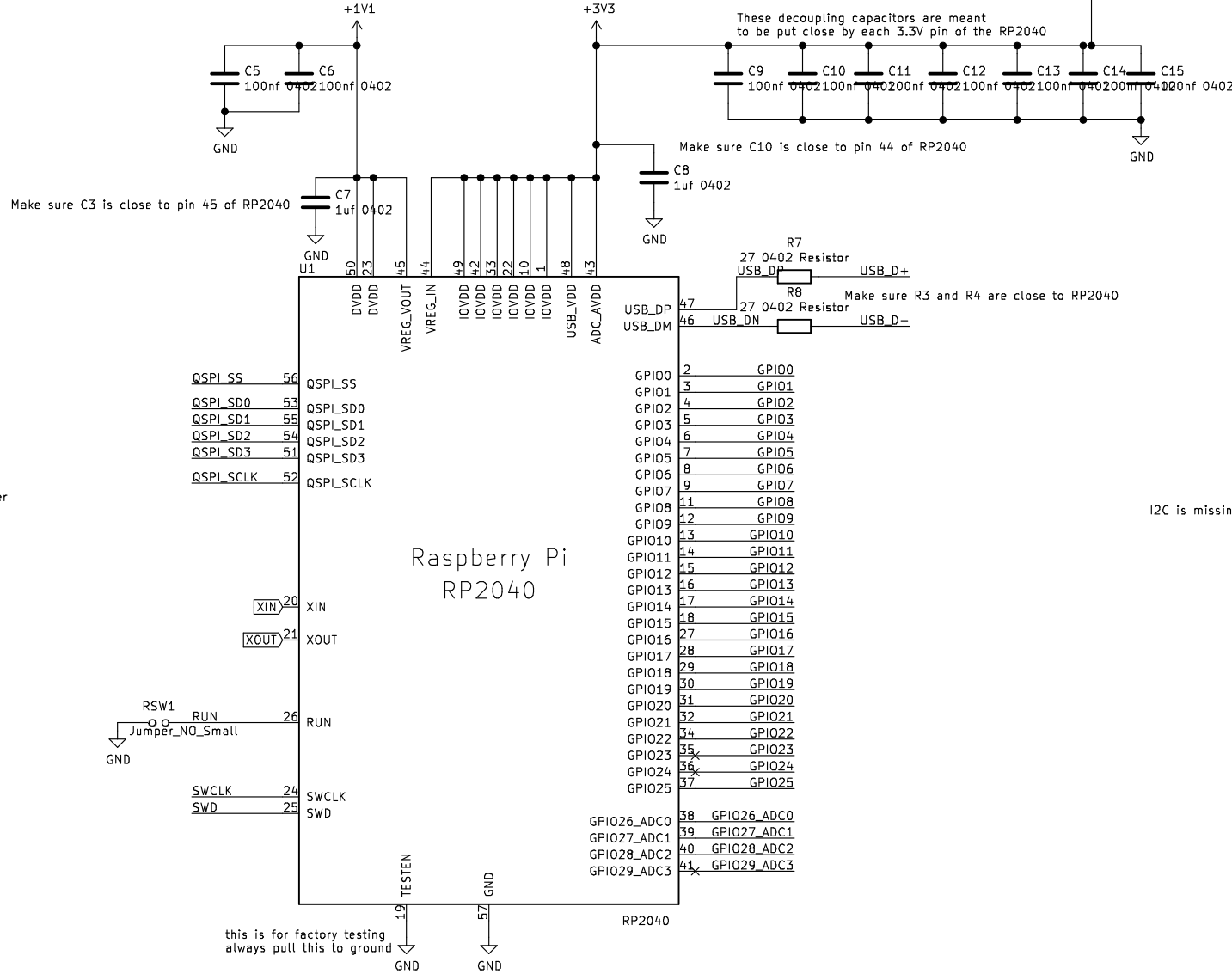
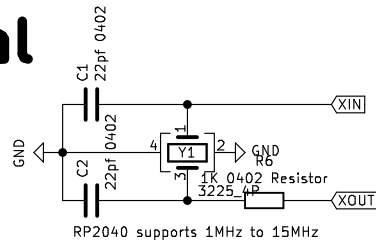


## Flash

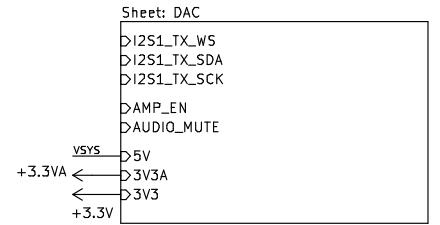


Pin 9 technically doesn't exist  
its the main central contact under the chip for heat dissipation  
Im pretty sure a lot of these W25QXXX Chips are pin compatible  
Dont quote me on that  
Im unsure if the RP2040 can function with flash larger than 128MB  
GD25Q40CE1GR is compatible and often stocked by JLC

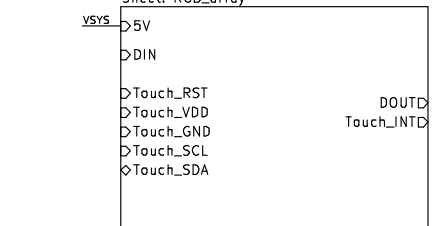
## Crystal



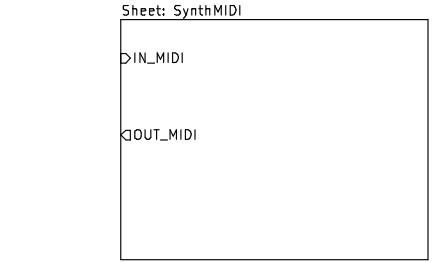
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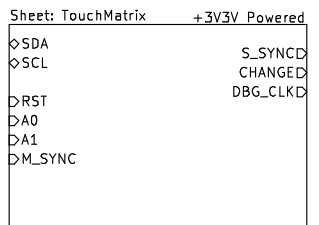
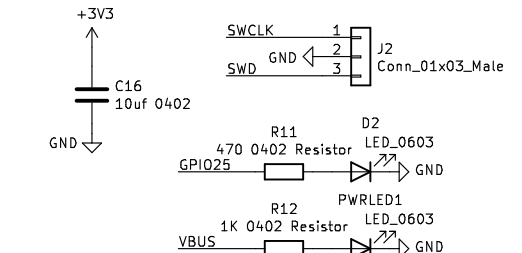
File: DAC.sch



File: RGB\_array.sch



File: SynthMIDI.sch



File: TouchMatrix.sch

- H1 MountingHole
- H2 MountingHole
- H3 MountingHole
- H4 MountingHole



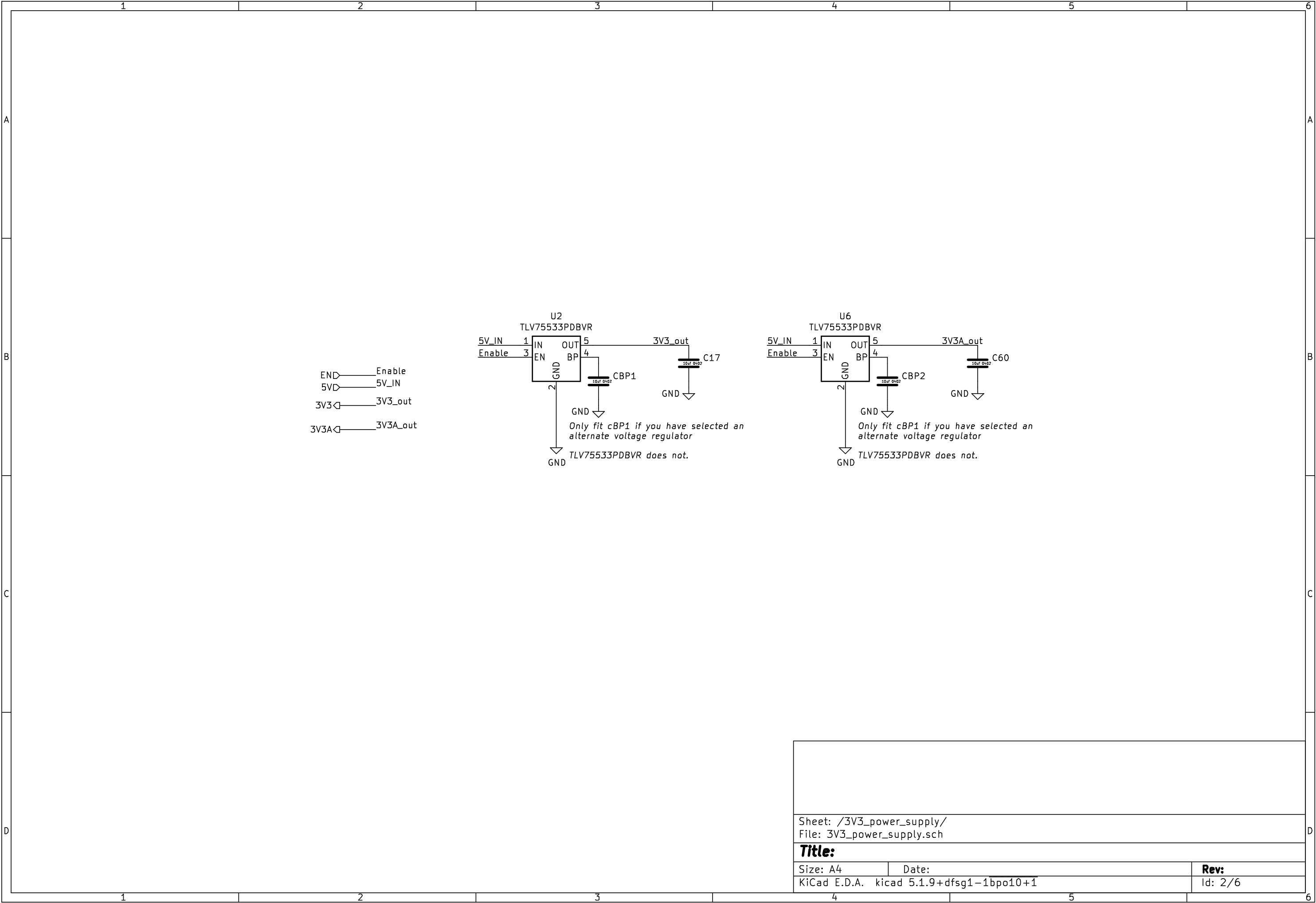
Envius.Design

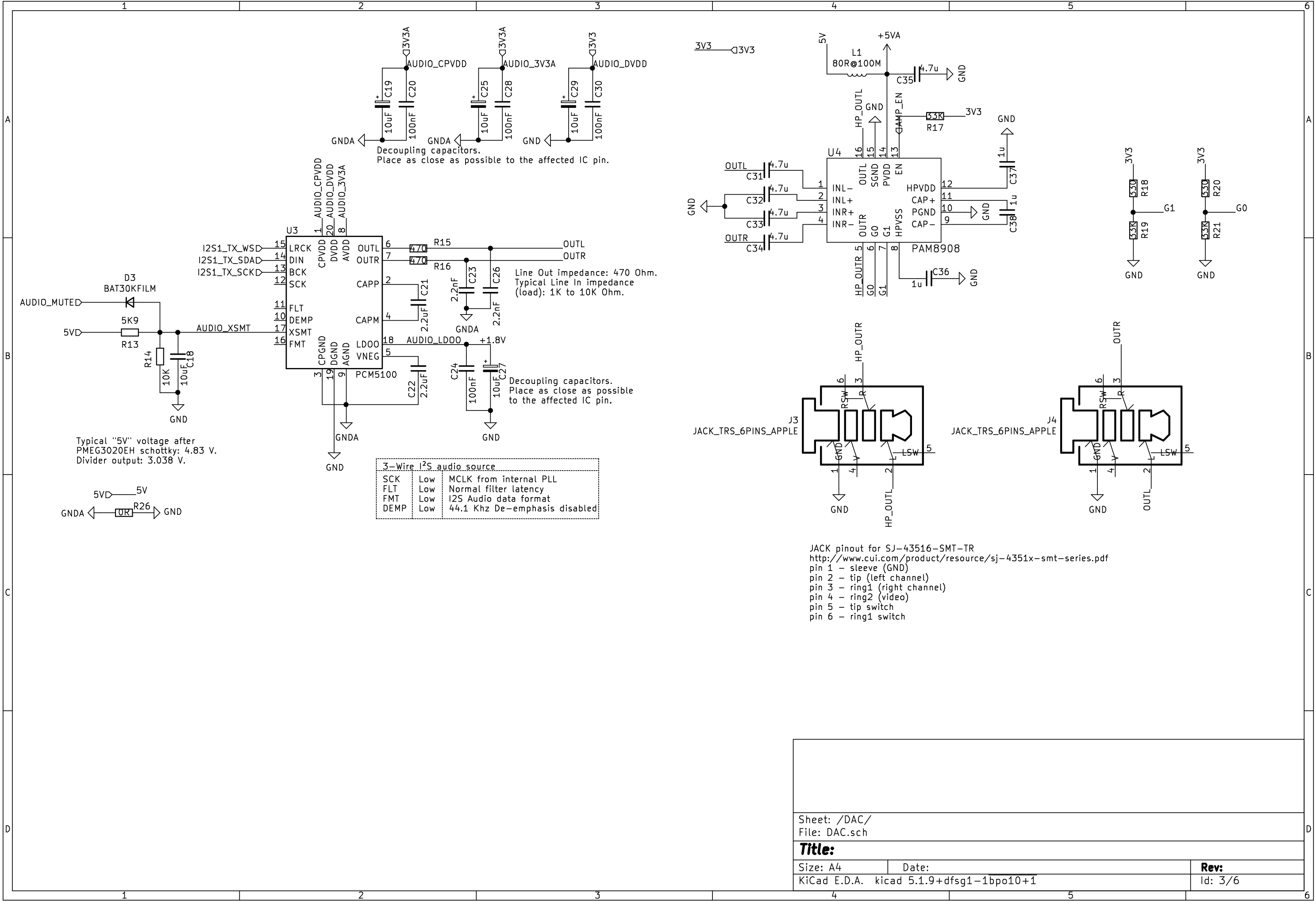
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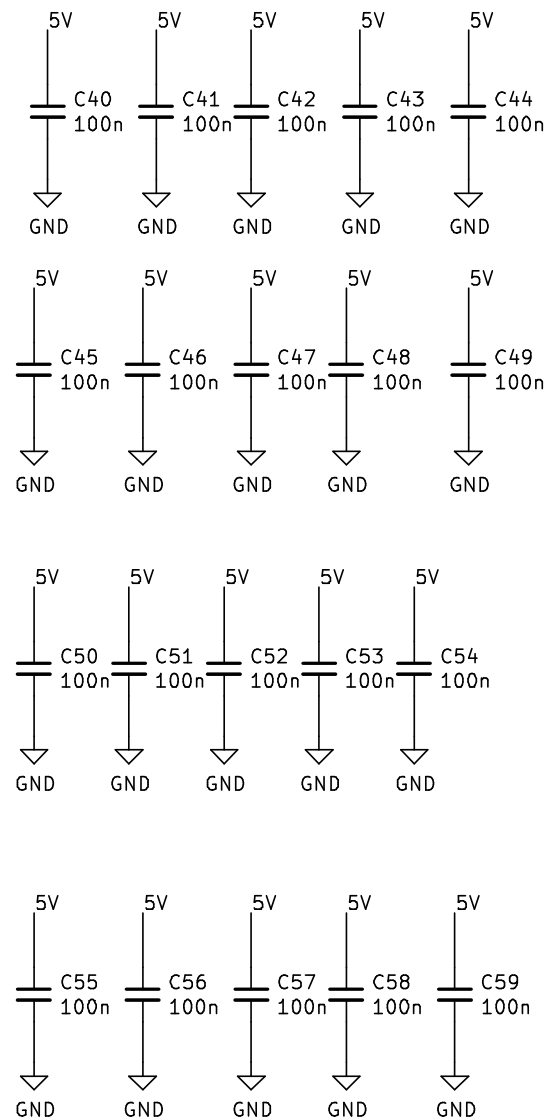
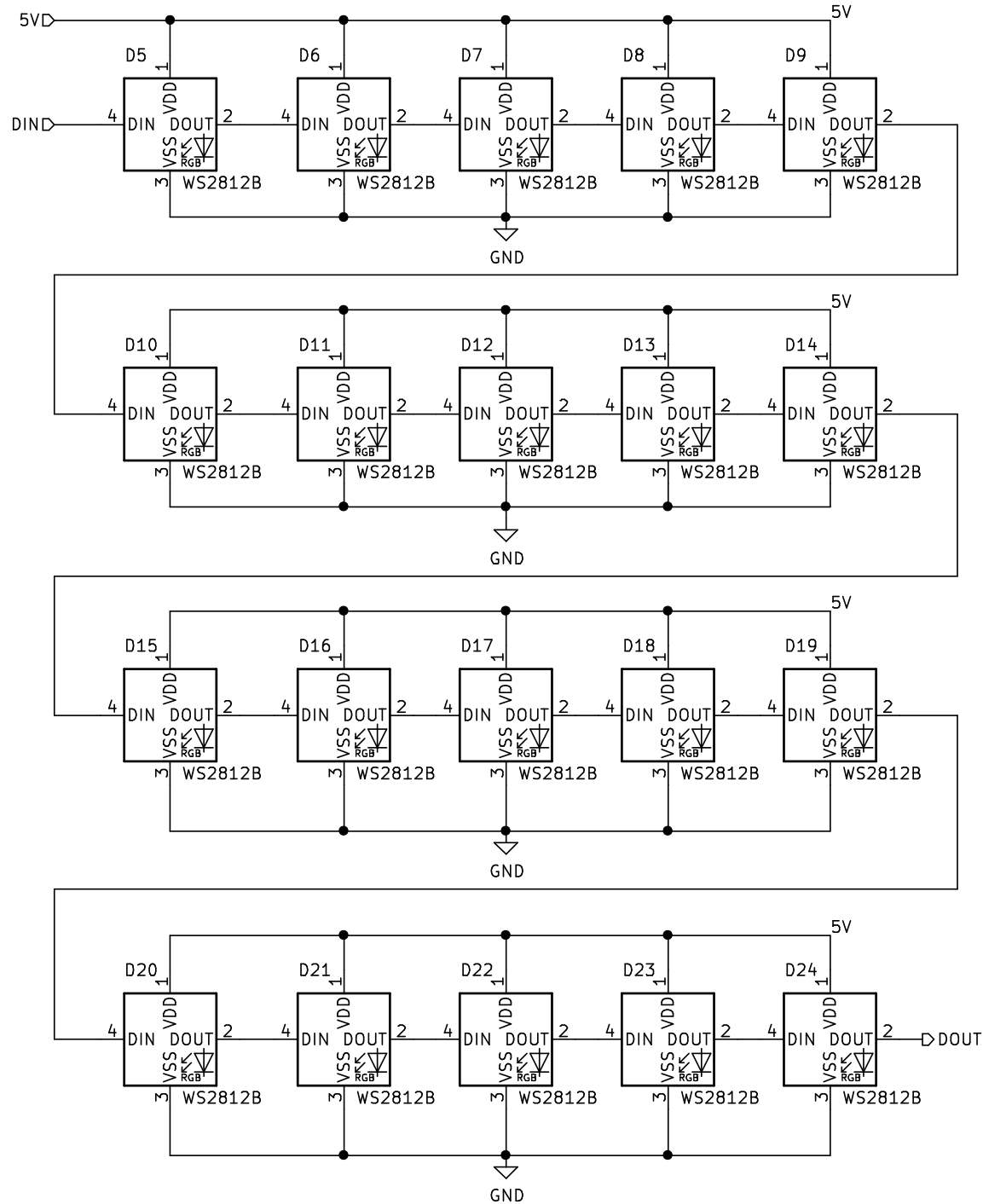
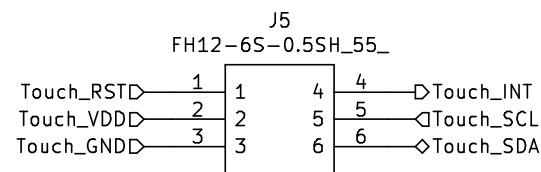
Title: Raspberry Pi Pico Clone

Size: A3 Date: 2020-12-18  
KiCad E.D.A. kicad 5.1.9+dfsg1-1bpo10+1

Rev: REV1  
Id: 1/6







Sheet: /RGB\_array/  
File: RGB\_array.sch

**Title:**

Size: A4

Date:

**Rev:**

KiCad E.D.A. kicad 5.1.9+dfsg1-1bpo10+1

Id: 4/6

