

+5V

U101

AP1117-33

3

VI

1

GND

2

V0

+3.3VA

C101

10u

C102

10u

GND

GND

3V3 Driver for Analog Systems (optional)

+5V

U102

AP1117-33

3

VI

1

GND

2

V0

+3.3V

C103

10u

C104

10u

GND

GND

3V3 Driver for Digital Systems

GND

GND

Must be bridged

+3.3VA

+3.3V

SolderJumper_2_Open

JP102

Only bridge if analog regulator is not populated

Capacitor should be 10uF+ tantalum, with <0.5 ohms ESR.

H101

MountingHole

H102

MountingHole

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File: stm32_dac_pcb.kicad_sch

Title:

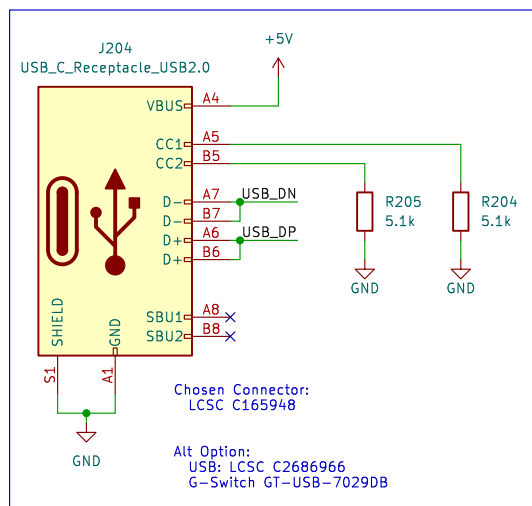
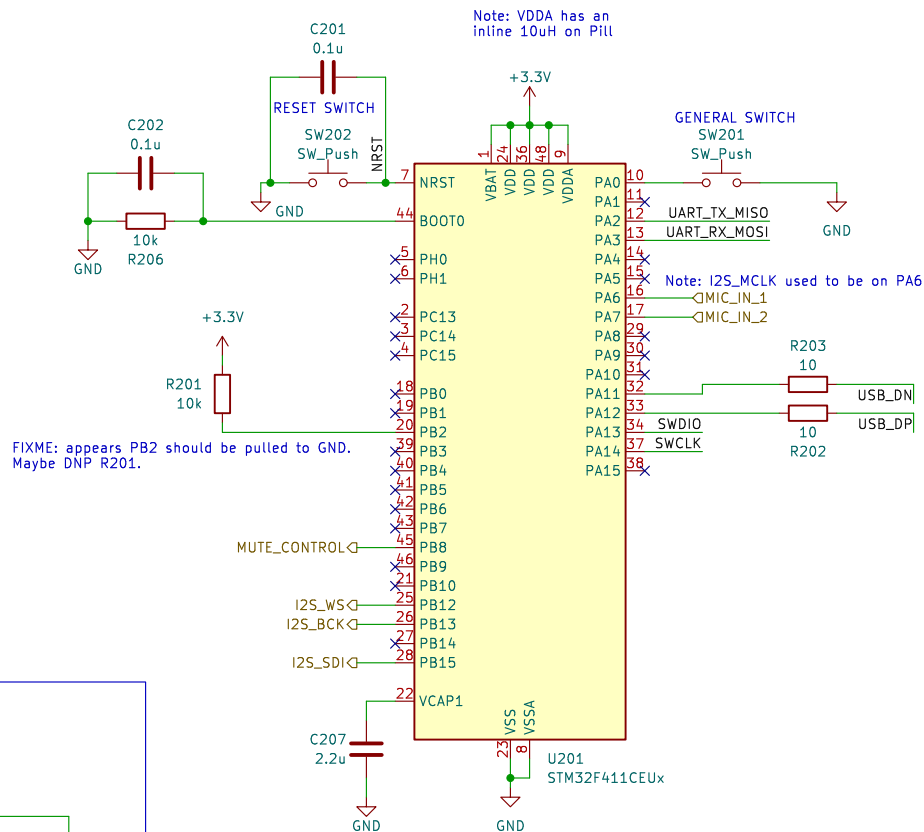
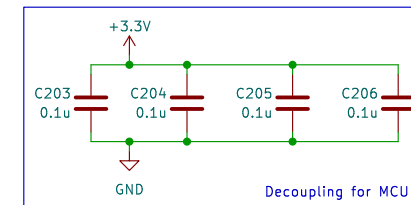
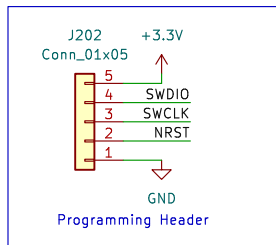
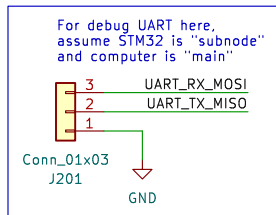
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Date: 2024-01-01

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Rev: Rev1

Id: 1/3



Note: Flash module is unpopulated on Black Pill ref design
 Reference Design: https://stm32-base.org/assets/pdf/boards/original-schematic-STM32F411CEU6_WeAct_Black_PillV2.0.pdf
 USB-C Guide: <https://dubiouscreations.com/2021/04/06/designing-with-usb-c-lessons-learned/>

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Size: USLetter Date: 2024-01-01
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Rev: Rev1
 Id: 2/3

