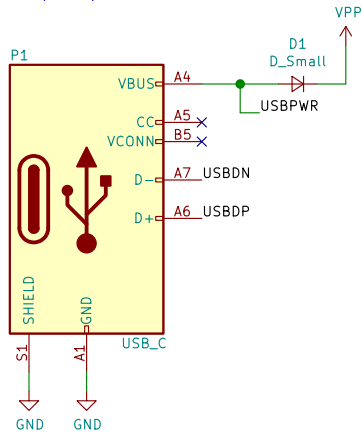
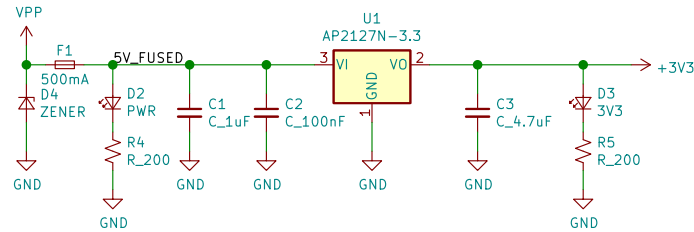


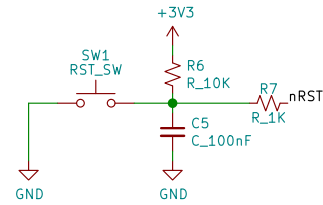
USB C Connection
Power (+5V), Data



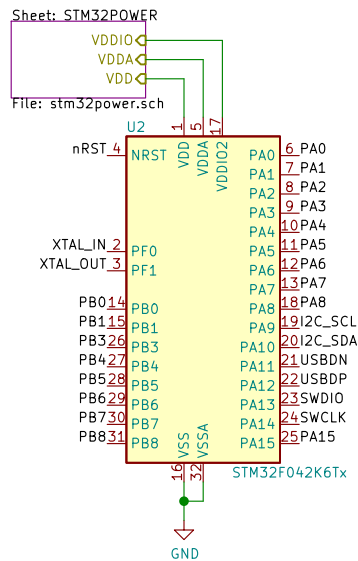
3.3V Power Supply
3V3 @ 300mA



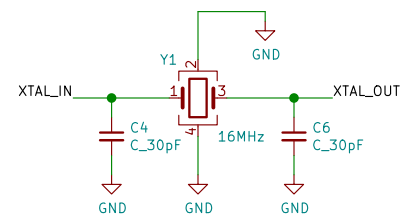
Reset Circuit



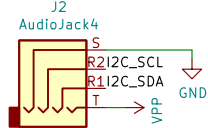
STM32F042K6
MicroController



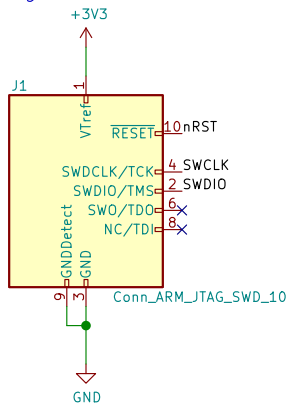
16MHz Crystal Circuit



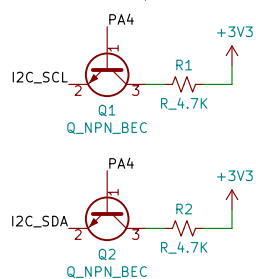
3.5mm Aux Connector
Power, I2C



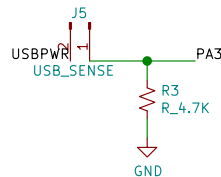
JTAG SWD Connector
Debug



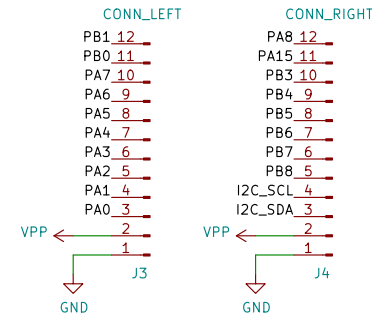
I2C Pullups



USB Sense



Breadboard Connectors



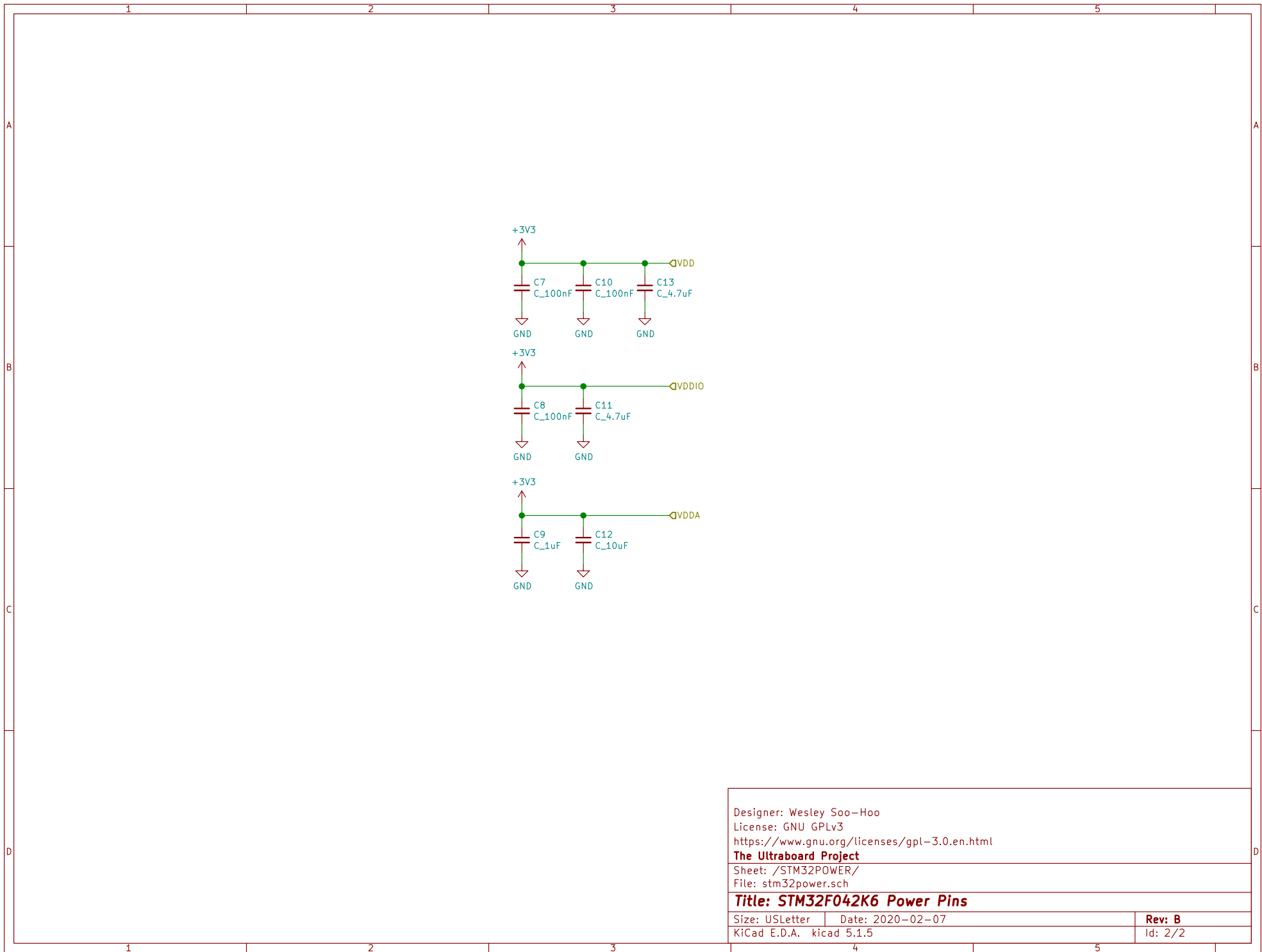
Designer: Wesley Soo-Hoo
License: GNU GPLv3
<https://www.gnu.org/licenses/gpl-3.0.en.html>
The Ultraboard Project

Sheet: /
File: stm32.sch

Title: STM32F042K6 Breakout Board

Size: USLetter Date: 2020-02-07
KiCad E.D.A. kicad 5.1.5

Rev: B
Id: 1/2



Designer: Wesley Soo-Hoo
License: GNU GPLv3
<https://www.gnu.org/licenses/gpl-3.0.en.html>

The Ultraboard Project

Sheet: /STM32POWER/
File: stm32power.sch

Title: STM32F042K6 Power Pins

Size: USLetter Date: 2020-02-07
KiCad E.D.A. kicad 5.1.5

Rev: B
Id: 2/2