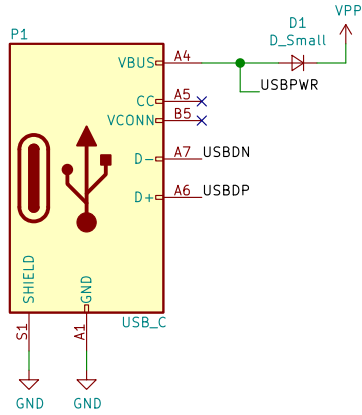
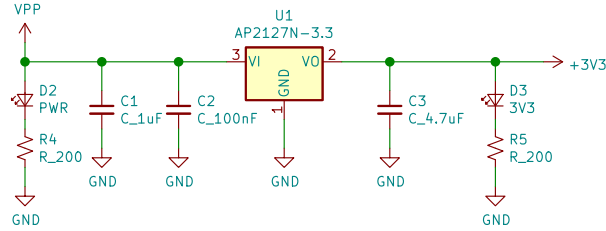


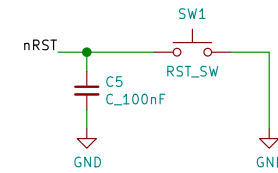
USB C Connection
Power (+5V), Data



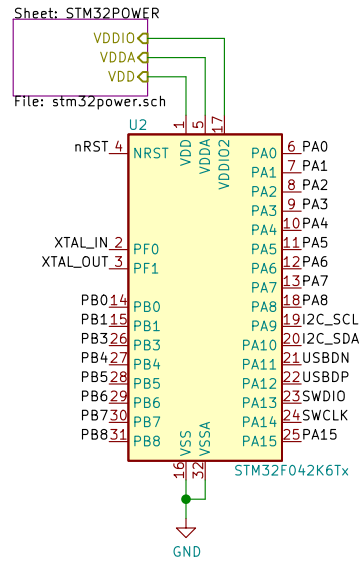
3.3V Power Supply
3V3 @ 300mA



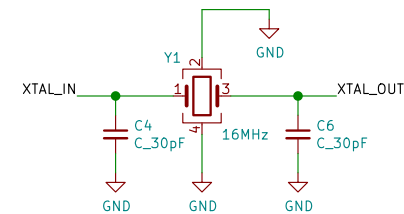
Reset Circuit



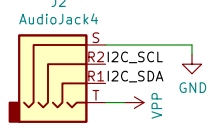
STM32F042K6
MicroController



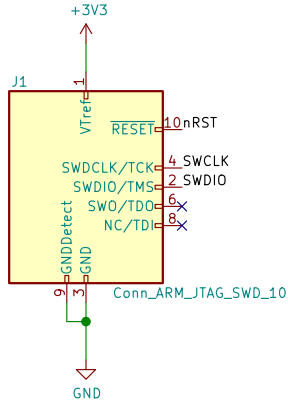
16MHz Crystal Circuit



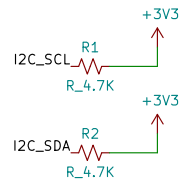
3.5mm Aux Connector
Power, I2C



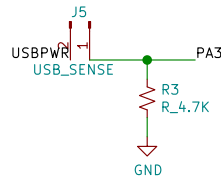
JTAG SWD Connector
Debug



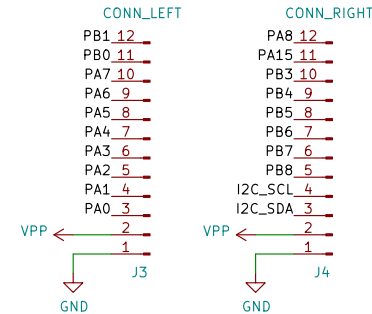
I2C Pullups



USB Sense



Breadboard Connectors



TODO: Add I2C and 5V rail to outputs

Designer: Wesley Soo-Hoo
License: GNU GPLv3
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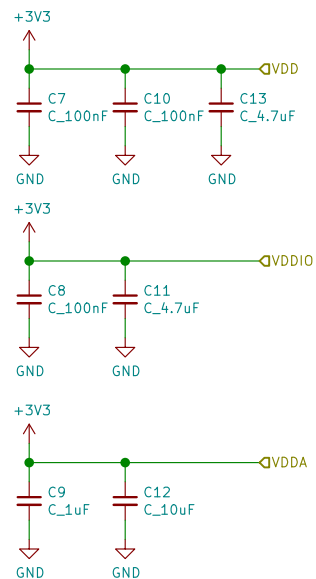
The Ultraboard Project

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File: stm32.sch

Title: STM32F042K6 Breakout Board

Size: USLetter Date: 2019-12-30
KiCad E.D.A. kicad 5.1.5

Rev: A
Id: 1/2



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The Ultraboard Project

Sheet: /STM32POWER/
File: stm32power.sch

Title: STM32F042K6 Power Pins

Size: USLetter | Date: 2019-12-30
KiCad E.D.A. kicad 5.1.5

Rev: A
Id: 2/2