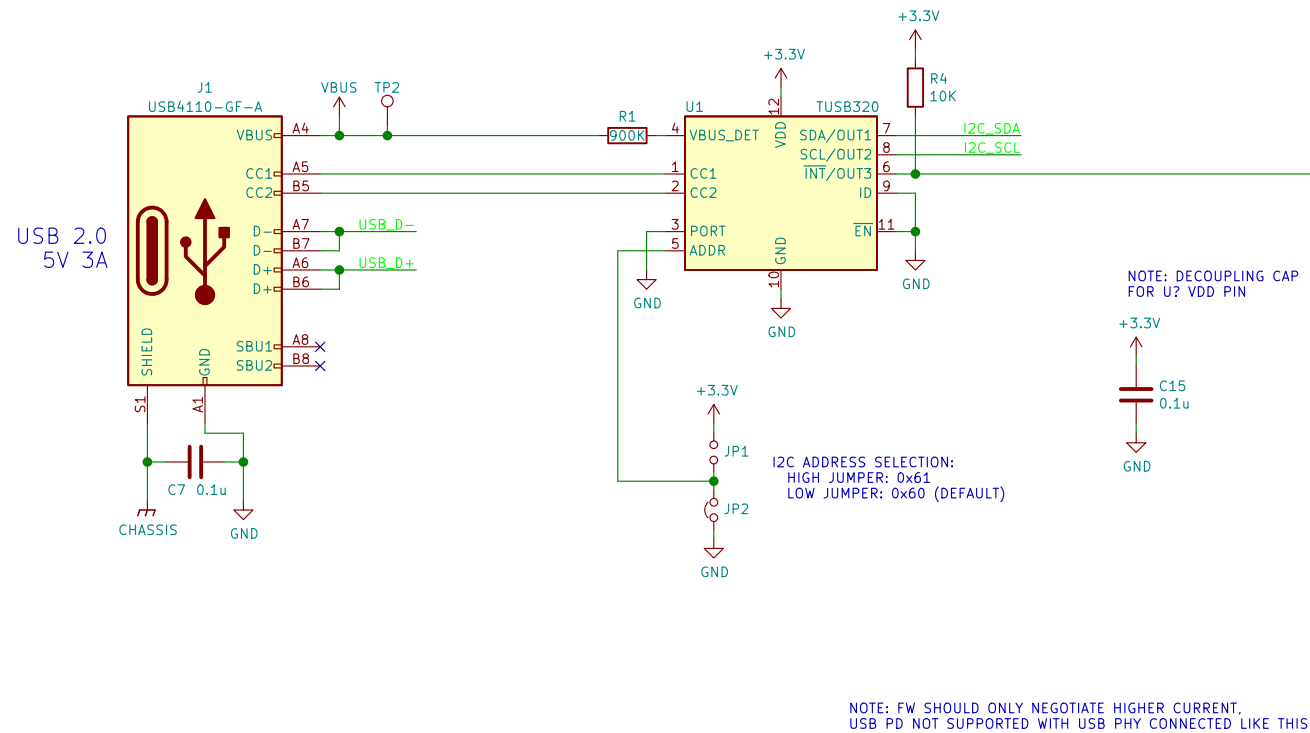
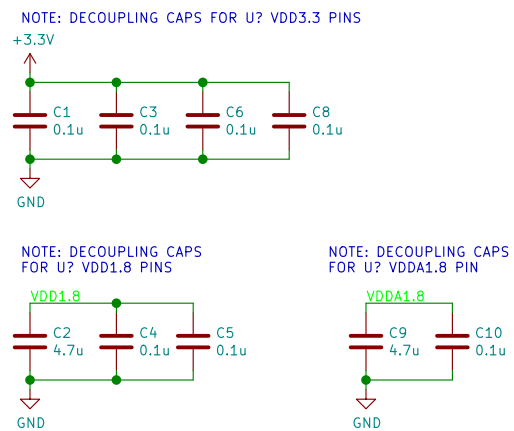


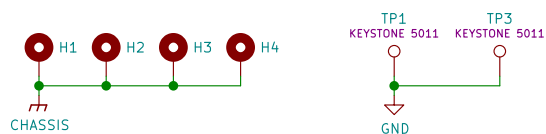
## USB TYPE-C CONNECTION & CONTROL



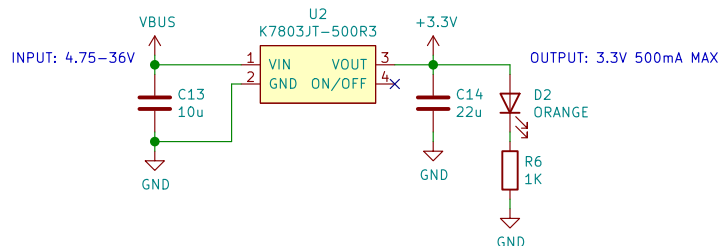
## USB 2.0 PHY



## MISC



## 3.3V REGULATOR



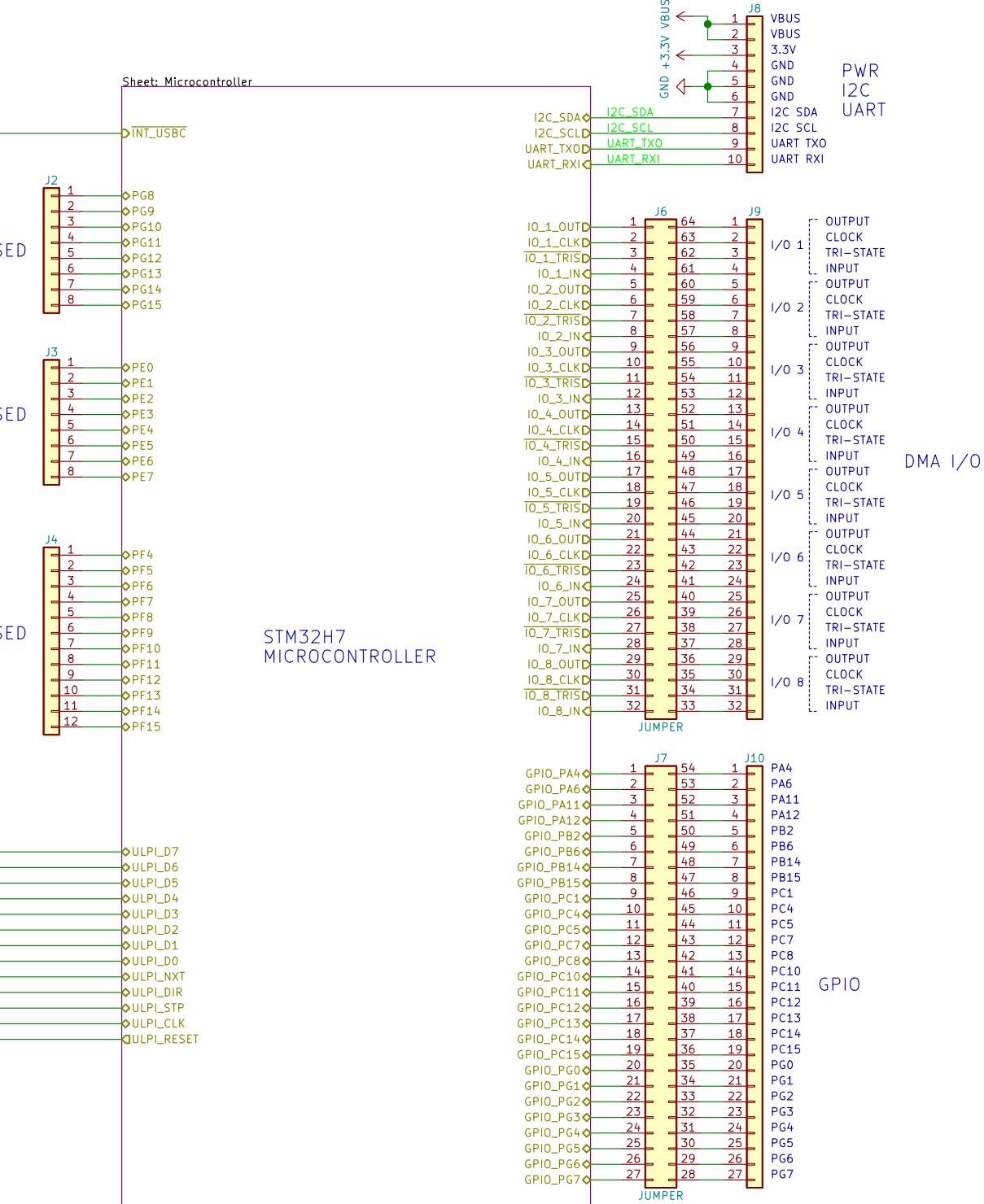
## MICROCONTROLLER & CONNECTORS

PORTG UNUSED

PORTE UNUSED

PORTF UNUSED

STM32H7  
MICROCONTROLLER



IAN GLEN <IAN@IANGLEN.ME>

Sheet: /  
File: io-master-dev-board.sch

Title: I/O MASTER DEV BOARD v1.0

Size: B Date: 2020-12-06

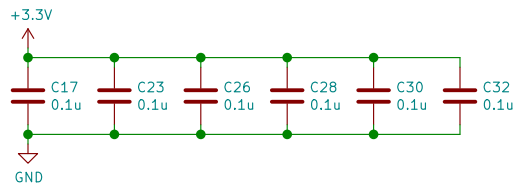
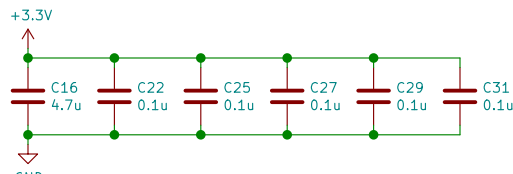
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Rev: A

Id: 1/2

# STM32H7 MICROCONTROLLER

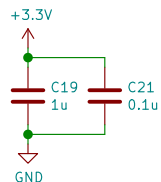
NOTE: DECOUPLING CAPS FOR VDD PINS



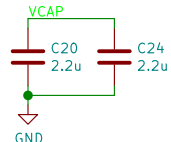
NOTE: DECOUPLING CAP FOR VDD33\_USB PIN



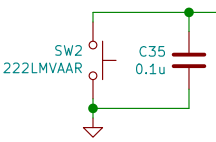
NOTE: DECOUPLING CAPS FOR VDDA PIN



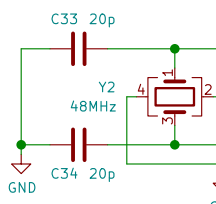
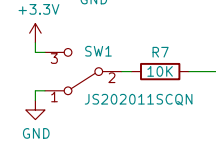
NOTE: DECOUPLING CAPS FOR VCAP PINS



RESET BUTTON

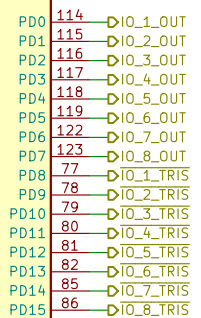
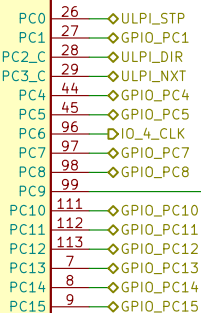
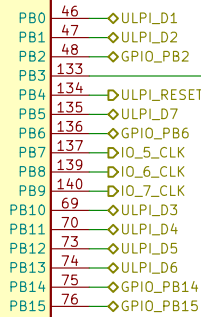
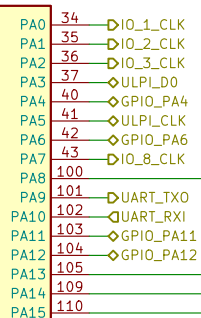
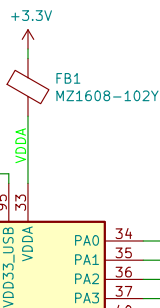
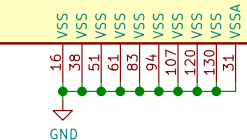
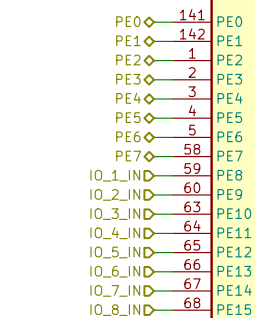
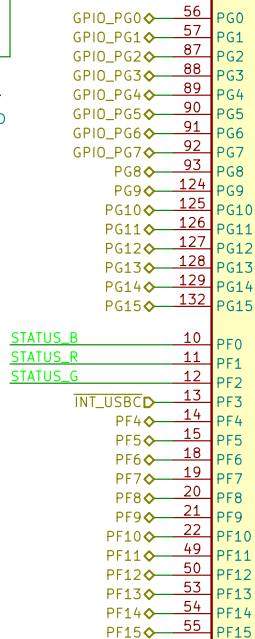


BOOT SWITCH

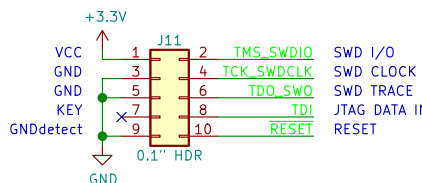


MCU ALTERNATE PIN FUNCTIONS:

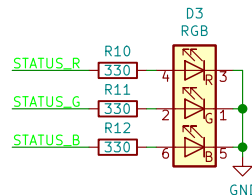
- PA0: TIM2\_CH1
- PA1: TIM5\_CH2
- PA2: TIM15\_CH1
- PA4: DAC\_OUT1
- PA7: TIM14\_CH1
- PA8: I2C1\_SCL
- PA9: USART1\_TX
- PA10: USART1\_RX
- PB7: TIM4\_CH2
- PB8: TIM16\_CH1
- PB9: TIM17\_CH1
- PC6: TIM3\_CH1
- PC9: I2C1\_SDA



JTAG/SERIAL WIRE DEBUG



RGB STATUS LED



IAN GLEN <IAN@IANGLEN.ME>

Sheet: /Microcontroller/  
File: Microcontroller.sch

Title: STM32H7 Microcontroller

Size: B

Date: 2020-12-06

Rev: A

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