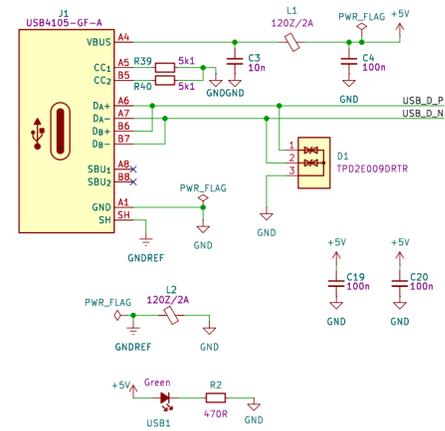
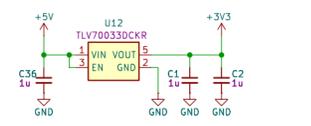


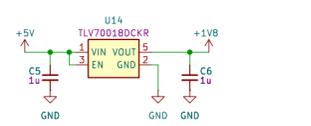
### USB-C



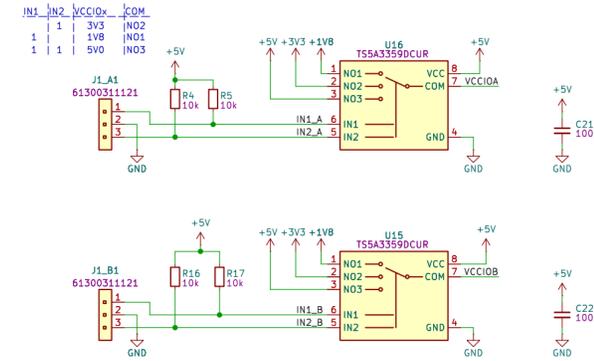
### 5V -> 3.3V LDO 400mA



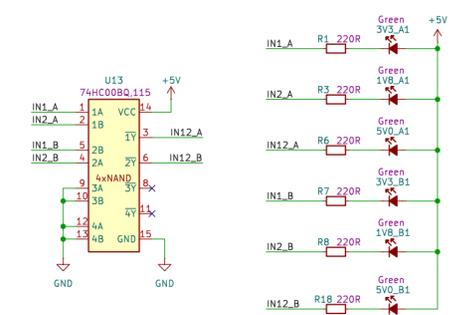
### 3V3 -> 1.8V LDO 200mA



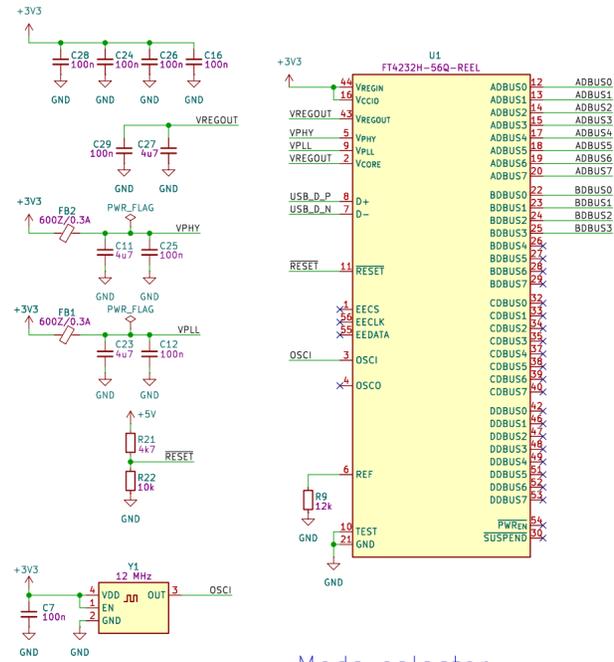
### Voltage selection



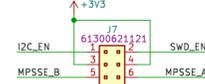
### Voltage indicator



### JTAG/UART to USB



### Mode selector



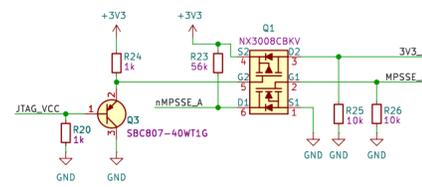
### Pin function table

PIN	UART	JTAG	SPI	I2C	SWD
ADBUS0	TXD	JTAG_TCK	SPL_SCK		SW_CLK
ADBUS1	RXD	JTAG_TDI	SPL_MOSI		SW_IO(0)
ADBUS2	RTS	JTAG_TDO	SPL_MISO		SW_IO(1)
ADBUS3	CTS	JTAG_TMS	SPL_CS		
BBBUS0	TXD	JTAG_TCK	SPL_SCK	I2C_SCL	
BBBUS1	RXD	JTAG_TDI	SPL_MOSI	I2C_SDA(0)	
BBBUS2	RTS	JTAG_TDO	SPL_MISO	I2C_SDA(1)	
BBBUS3	CTS	JTAG_TMS	SPL_CS		

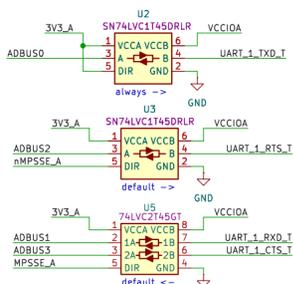
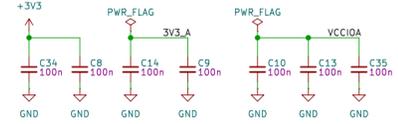
MPSSE mode = JTAG/SPI, connector selected by JTAG\_VCC

### Interface A

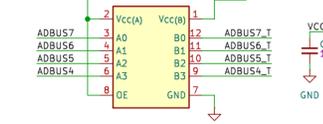
buffer enable and direction



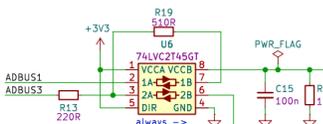
voltage level translation



### SWD mode switch

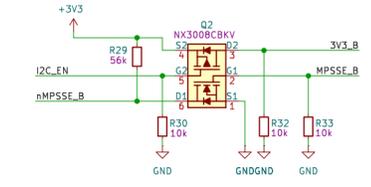


### SWD buffered mode switch

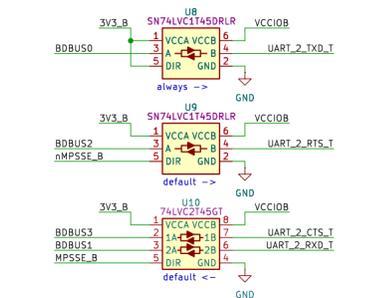
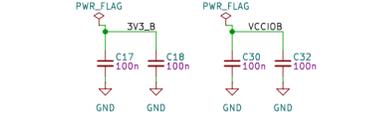


### Interface B

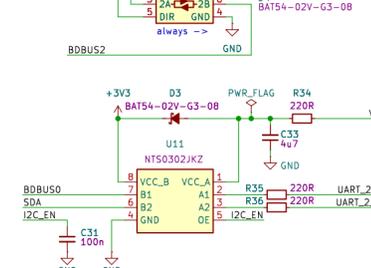
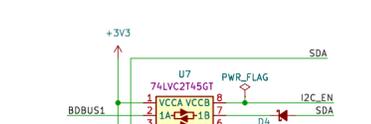
buffer enable and direction



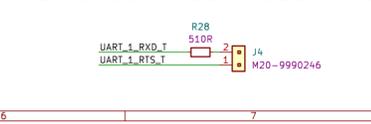
voltage level translation



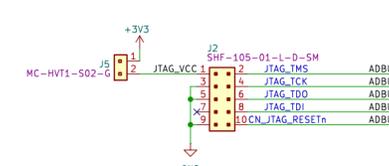
### I2C buffer w/ SDO+SDI switch



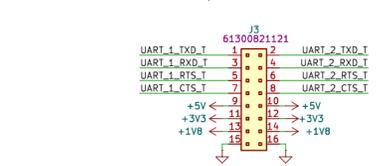
### SWD buffered mode switch



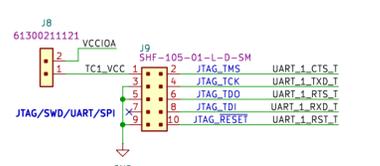
### JTAG connector



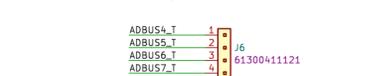
### Goldpin connector



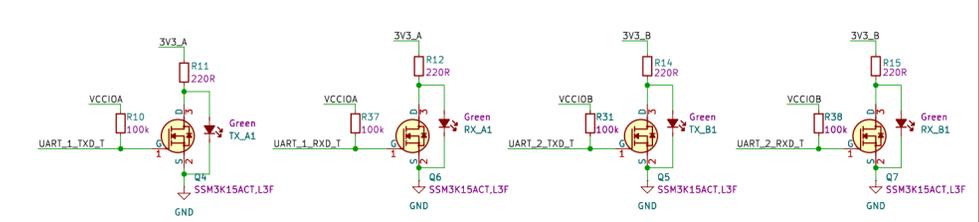
### TagConnect connectors



### Auxiliary connector



### Line LED'S



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Sheet: /

File: debug-toolkit.kicad.sch

Title: Debug Toolkit

Size: A2 Date: 2024-11-14

KiCad E.D.A. 9.0.7

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