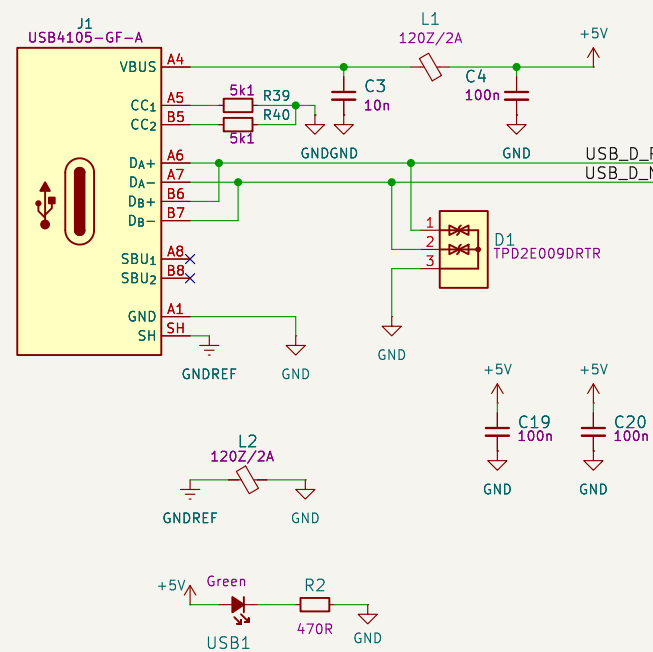
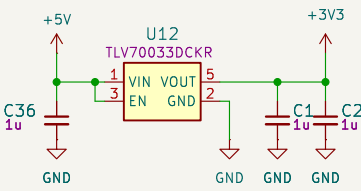


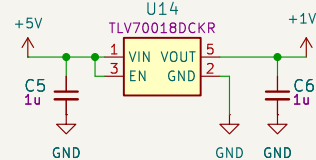
USB-C



5V -> 3.3V LDO 400mA

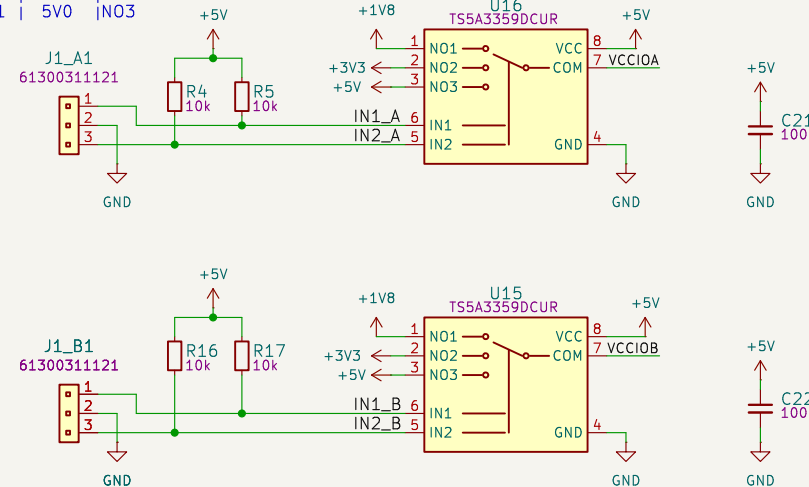


3V3 -> 1.8V LDO 200mA

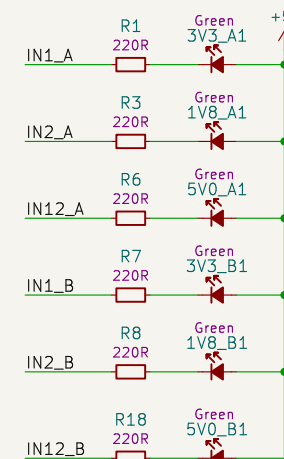
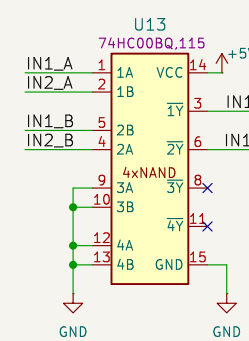


Voltage selection

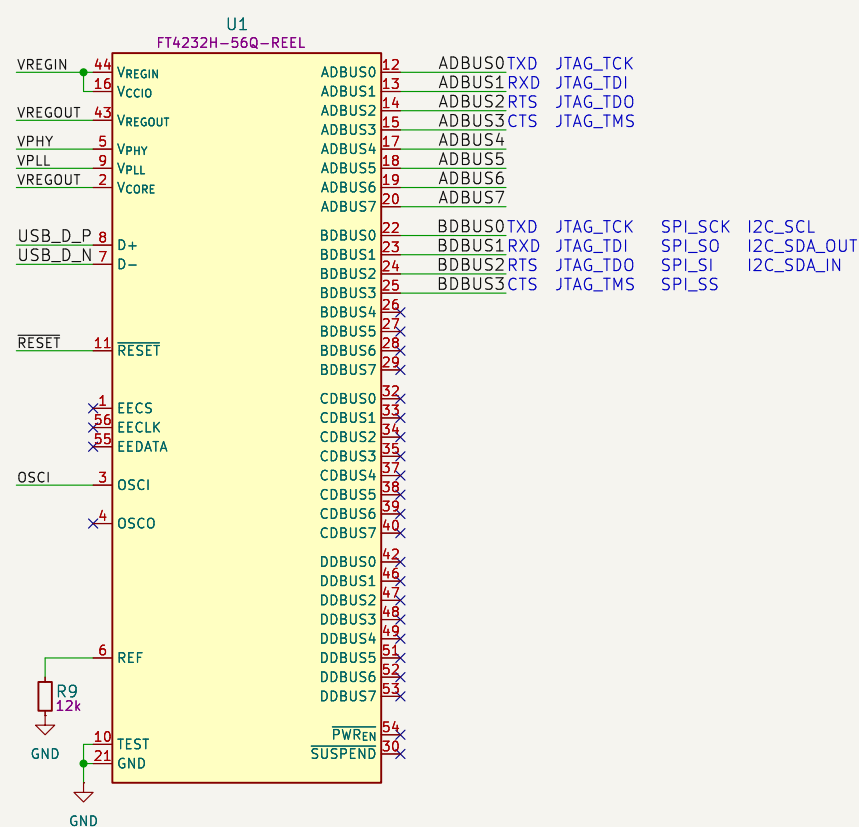
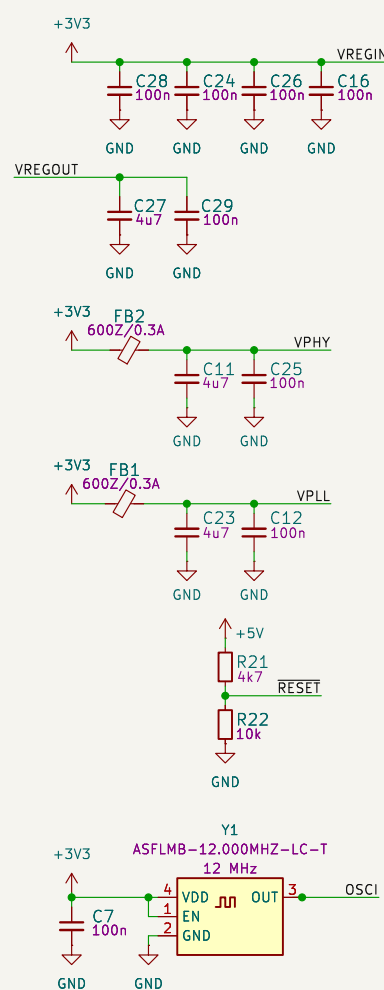
IN1 IN2 VCCIOx COM
1 1 3V3 NO2
1 1 1V8 NO1
1 1 5V0 NO3



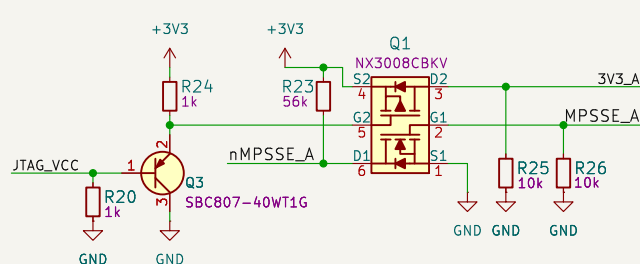
Voltage indicator



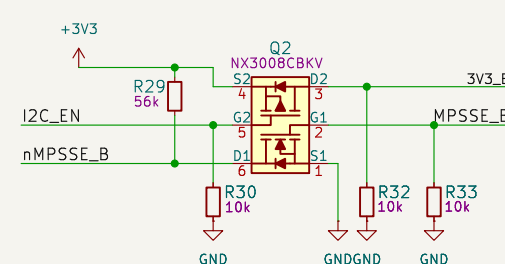
JTAG/UART to USB



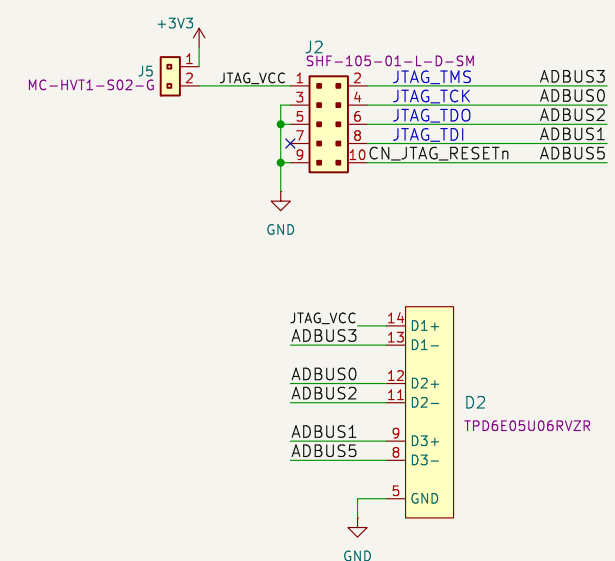
IFA buffer enable and direction



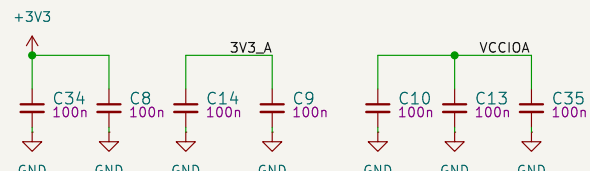
IFB buffer enable and direction



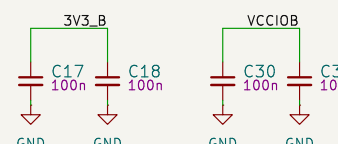
JTAG connector



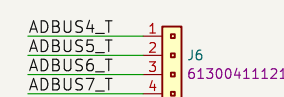
IFA voltage level translation



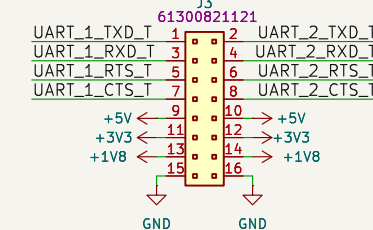
IFB voltage level translation



Auxillary connector



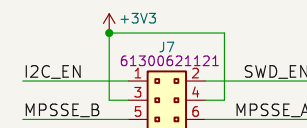
Goldpin connector



Pin function table

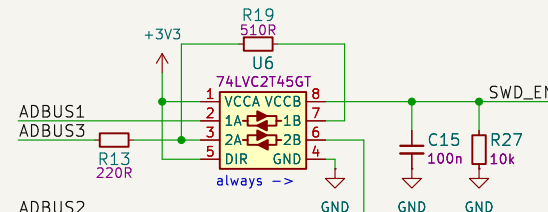
PIN	UART	JTAG	SPI	I2C	SWD
ADBUS0	TXD	JTAG_TCK	SPL_SCK		SW_CLK
ADBUS1	RXD	JTAG_TDI	SPL_MOSI		SW_IO(o)
ADBUS2	RTS	JTAG_TDO	SPL_MISO		SW_IO(i)
ADBUS3	CTS	JTAG_TMS	SPL_CS		
BDBUS0	TXD	JTAG_TCK	SPL_SCK	I2C_SCL	
BDBUS1	RXD	JTAG_TDI	SPL_MOSI	I2C_SDA(o)	
BDBUS2	RTS	JTAG_TDO	SPL_MISO	I2C_SDA(i)	
BDBUS3	CTS	JTAG_TMS	SPL_CS		

Mode selector

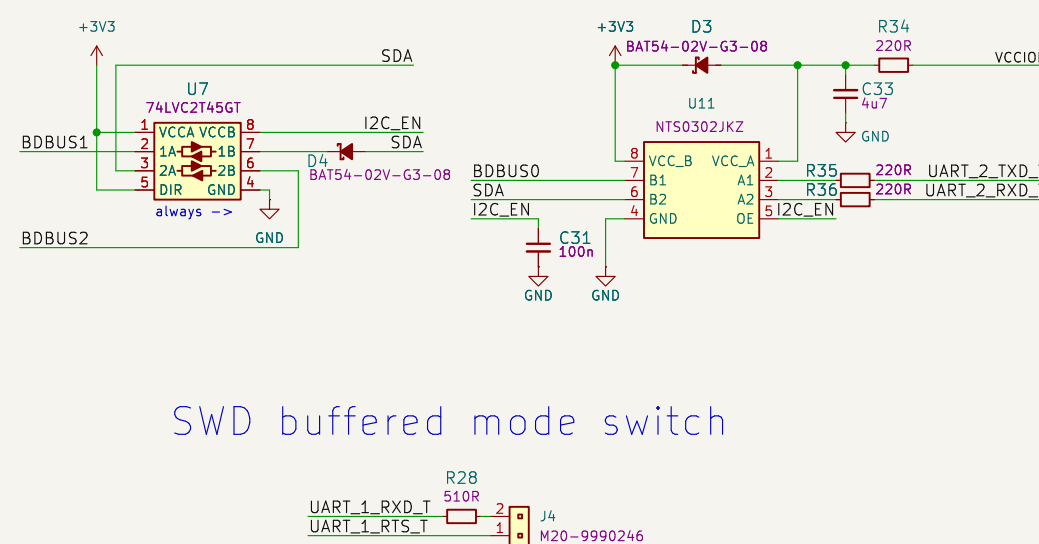


MPSSE mode = JTAG/SPI, connector selected by JTAG_VCC

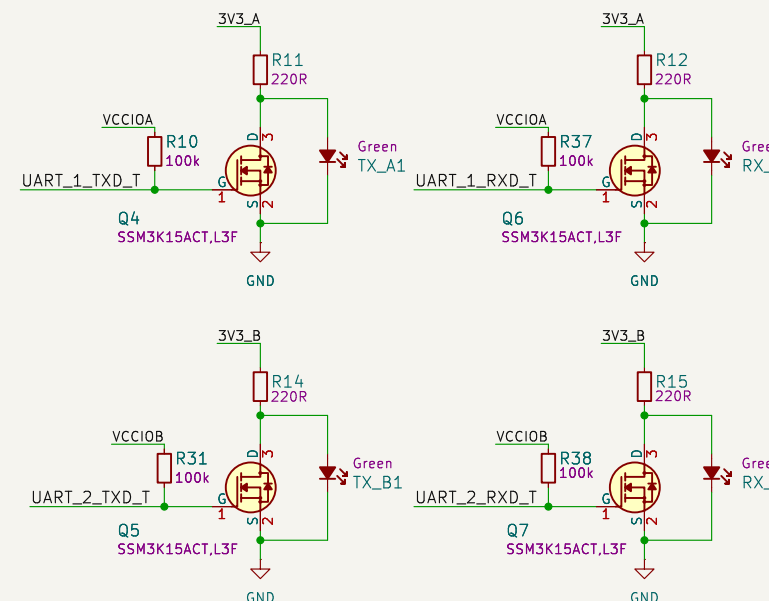
IFA SWD mode switch



SWD buffered mode switch



Line LED'S



Antmicro Ltd.
www.antmicro.com

Sheet: /
File: debug-toolkit.kicad_sch

Title: Debug Toolkit

Size: A2 Date: 2022-08-03

KiCad E.D.A. kicad-cli 7.0.11

Rev: 1.3.8:ae891

Id: 1/1