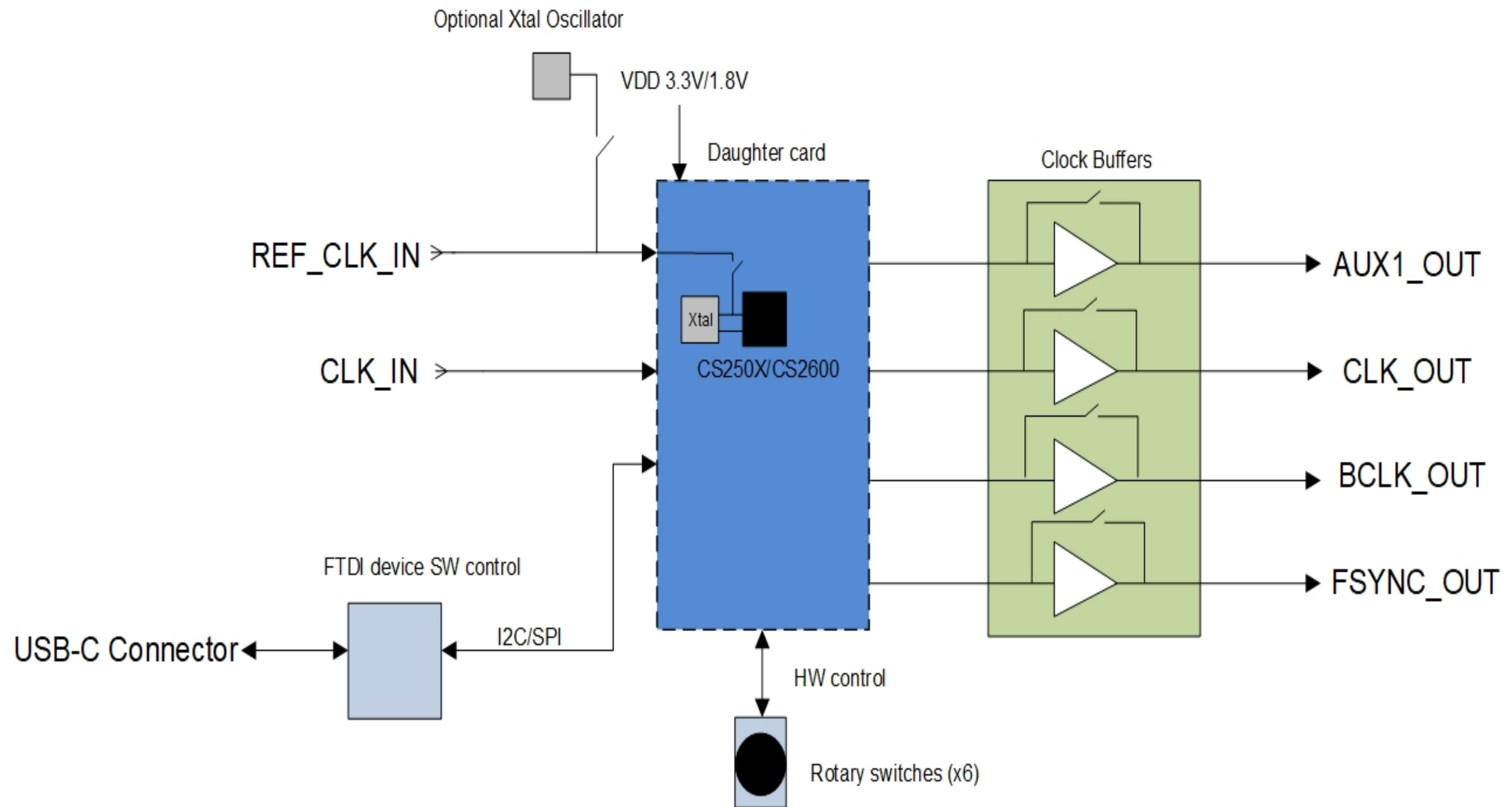


# CDB-CLOCKING-MB

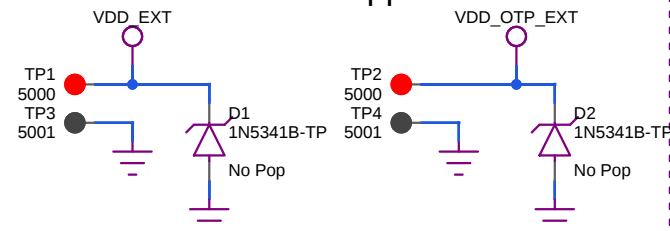
Motherboard for:

- CDB2600-DC-SD
- CDB2500-DC-SD
- CDB2501-DC-SD

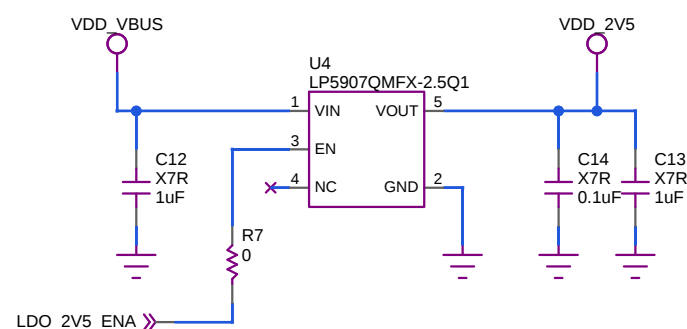
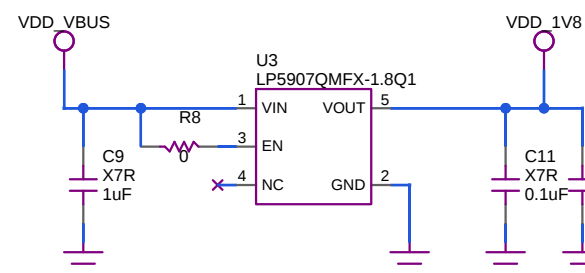
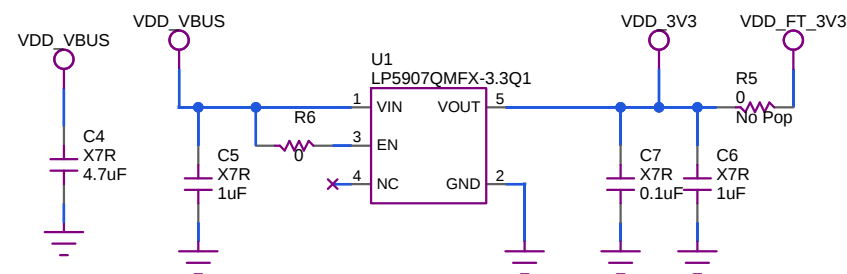
## Block Diagram



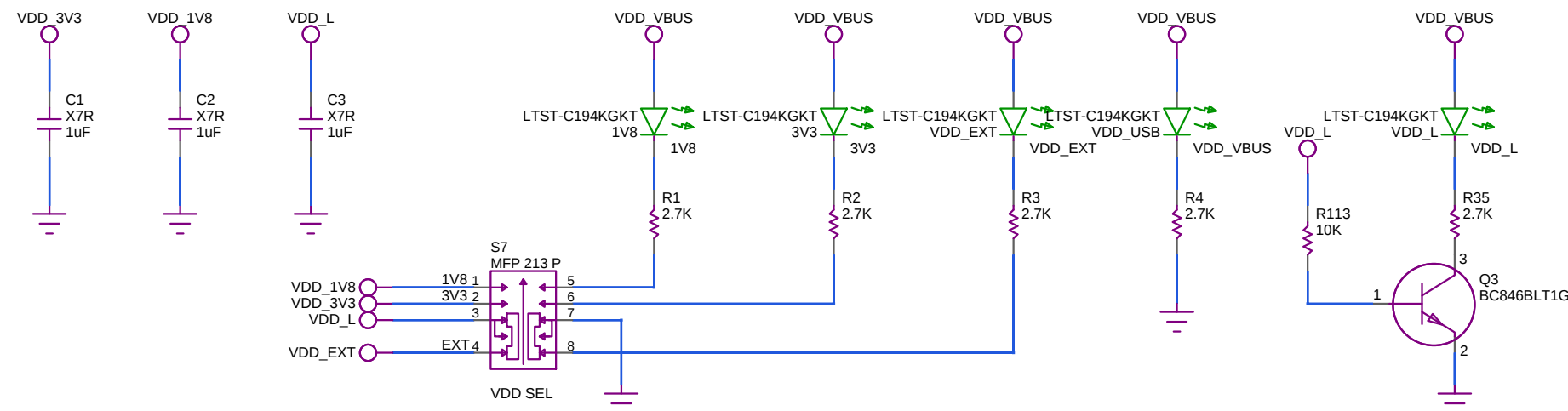
## External Supplies



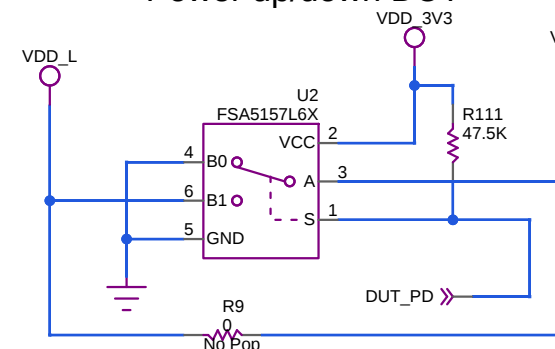
## Voltage Regulators



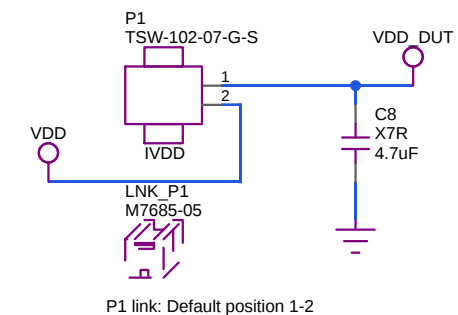
## VDD Slider Switch Mux with LEDs



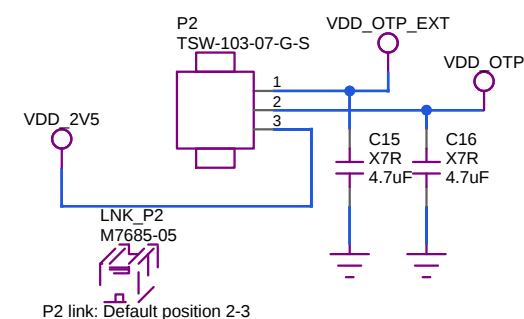
## Power up/down DUT



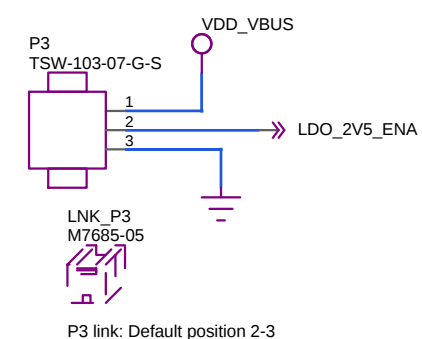
## VDD current measurement



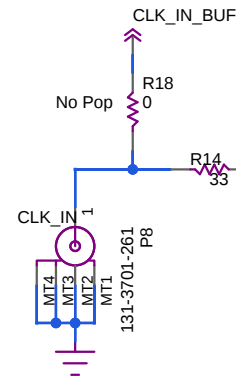
## 2V5 regulator / External supply



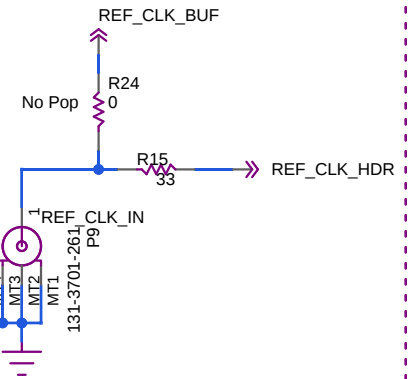
## 2.5V regulator enabled



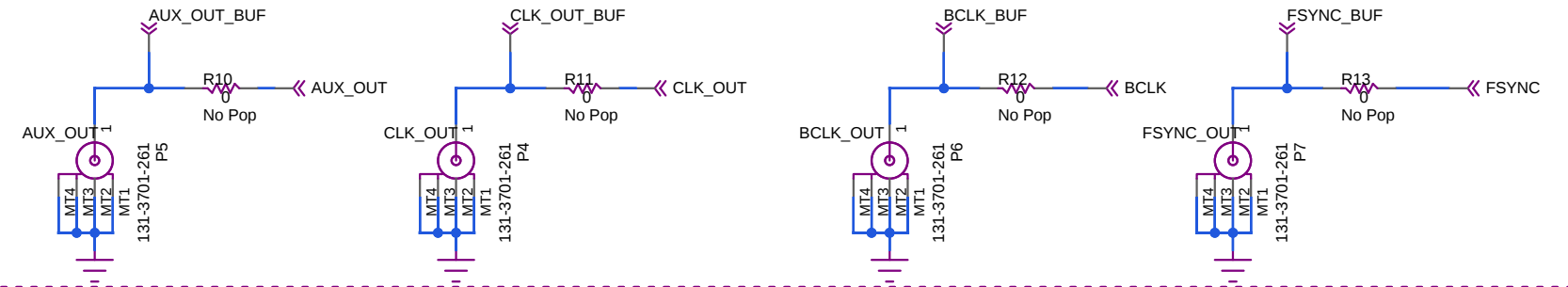
## External CLK\_IN



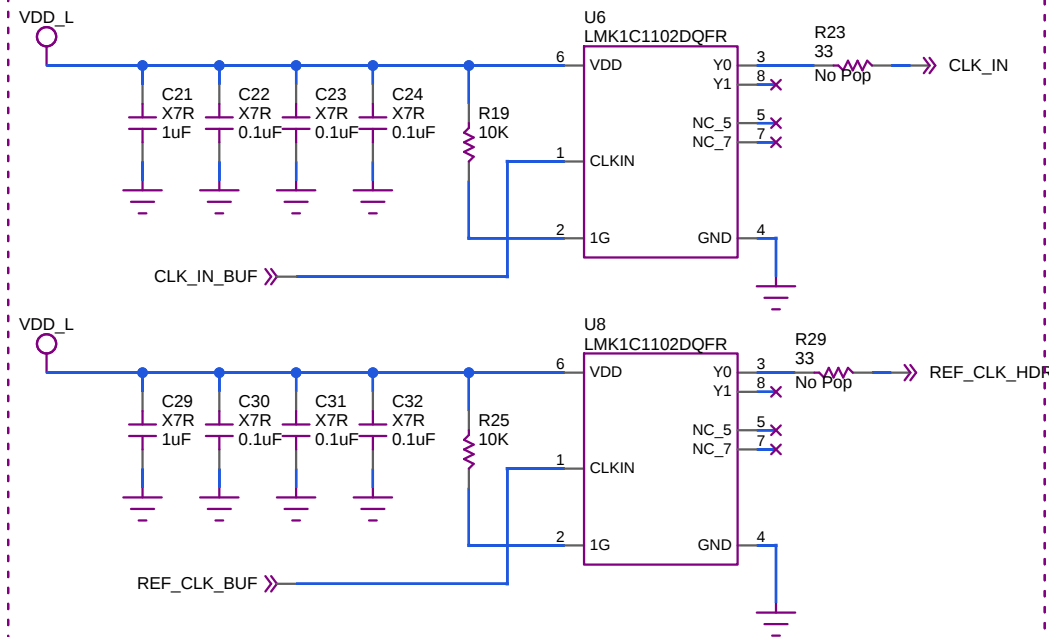
## External REF\_CLK



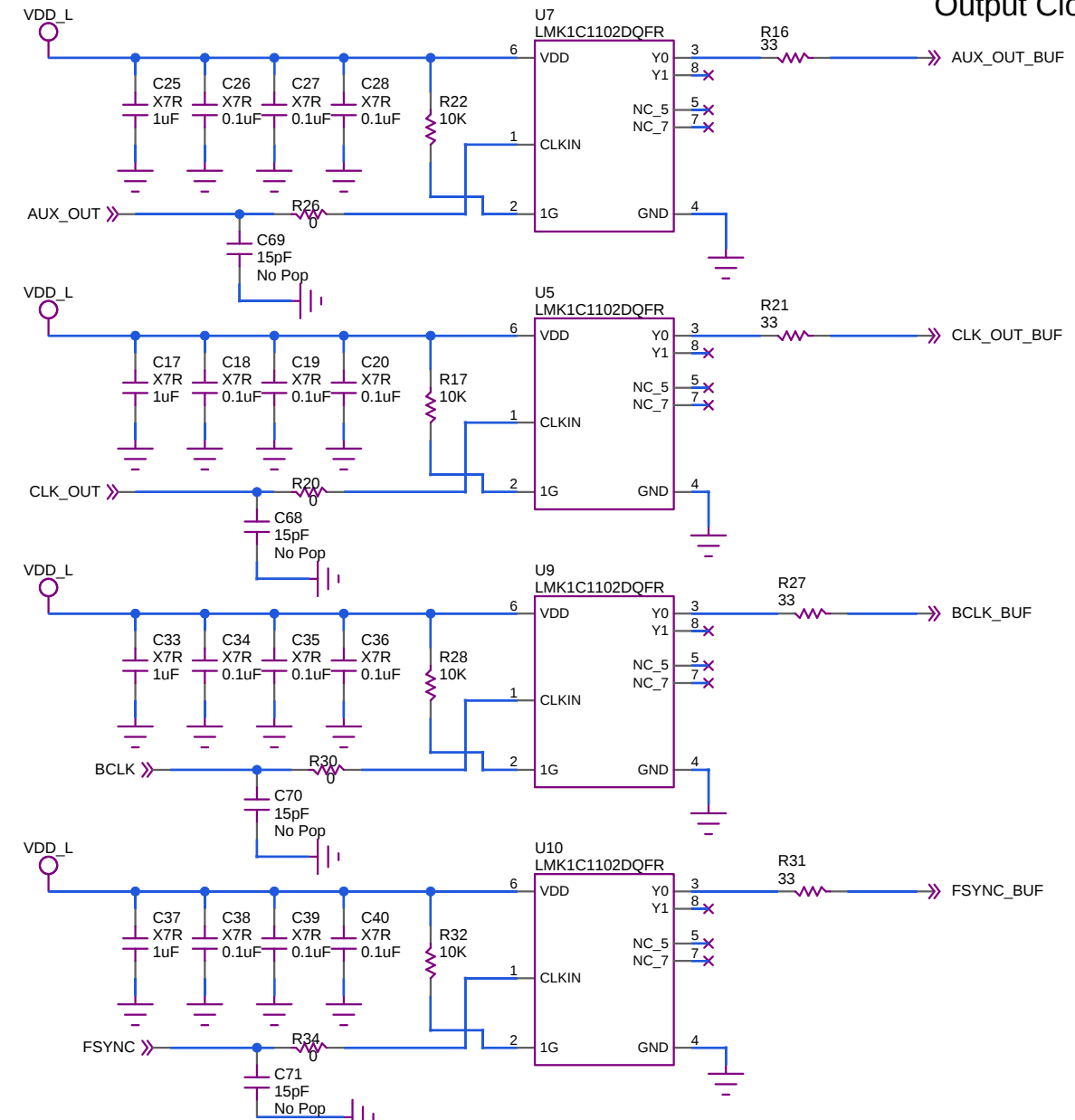
## Clock Outputs



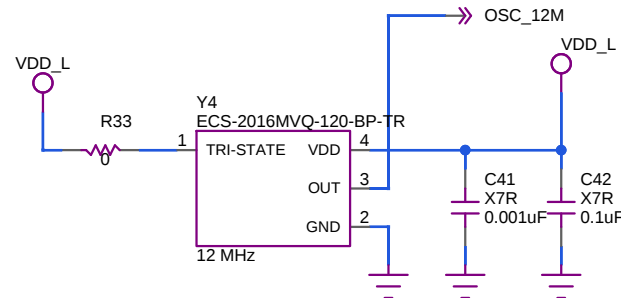
## Input Clock Buffers



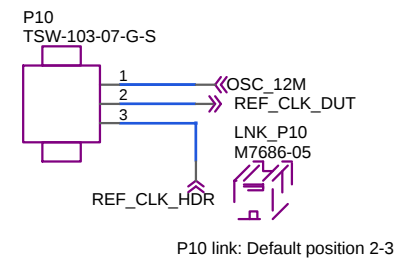
## Output Clock Buffers



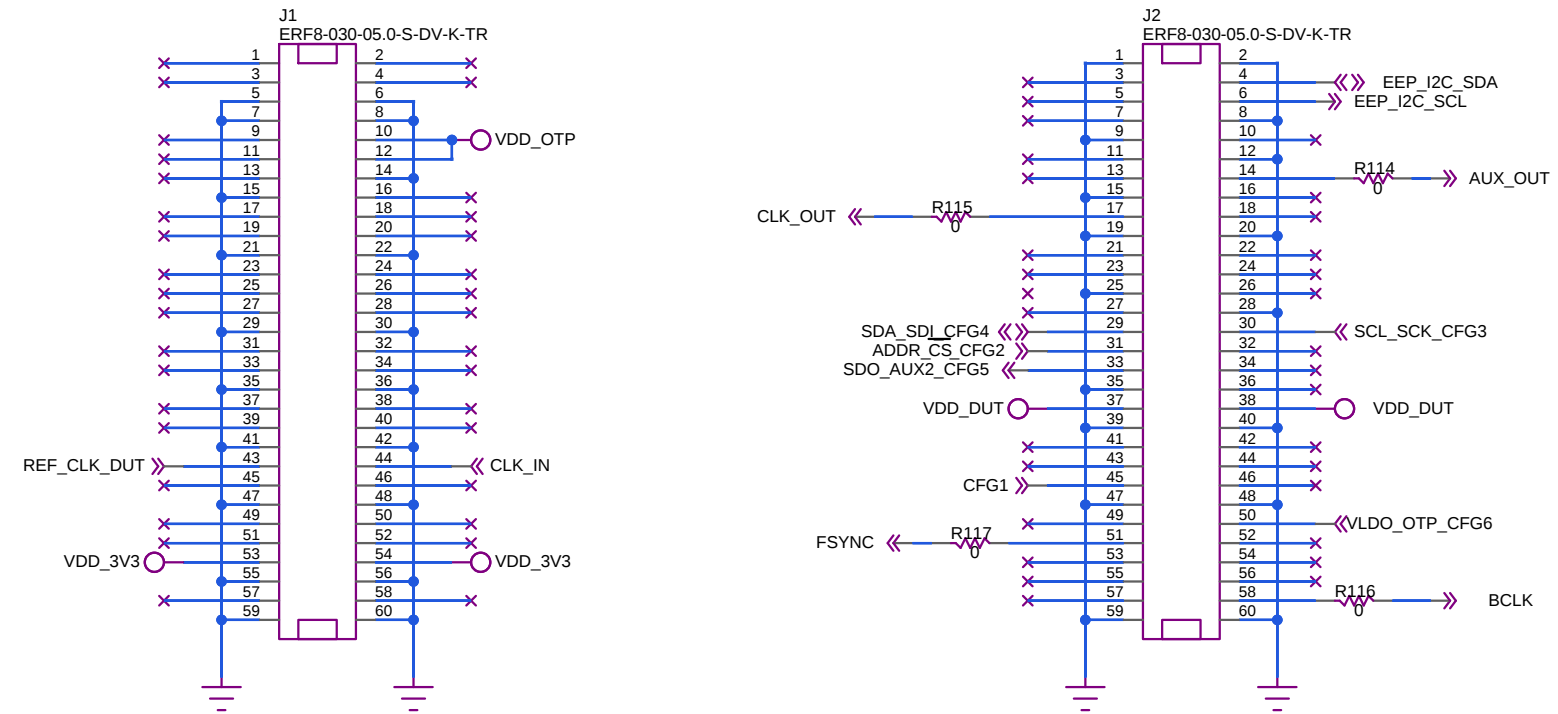
## Xtal Oscillator REF\_CLK



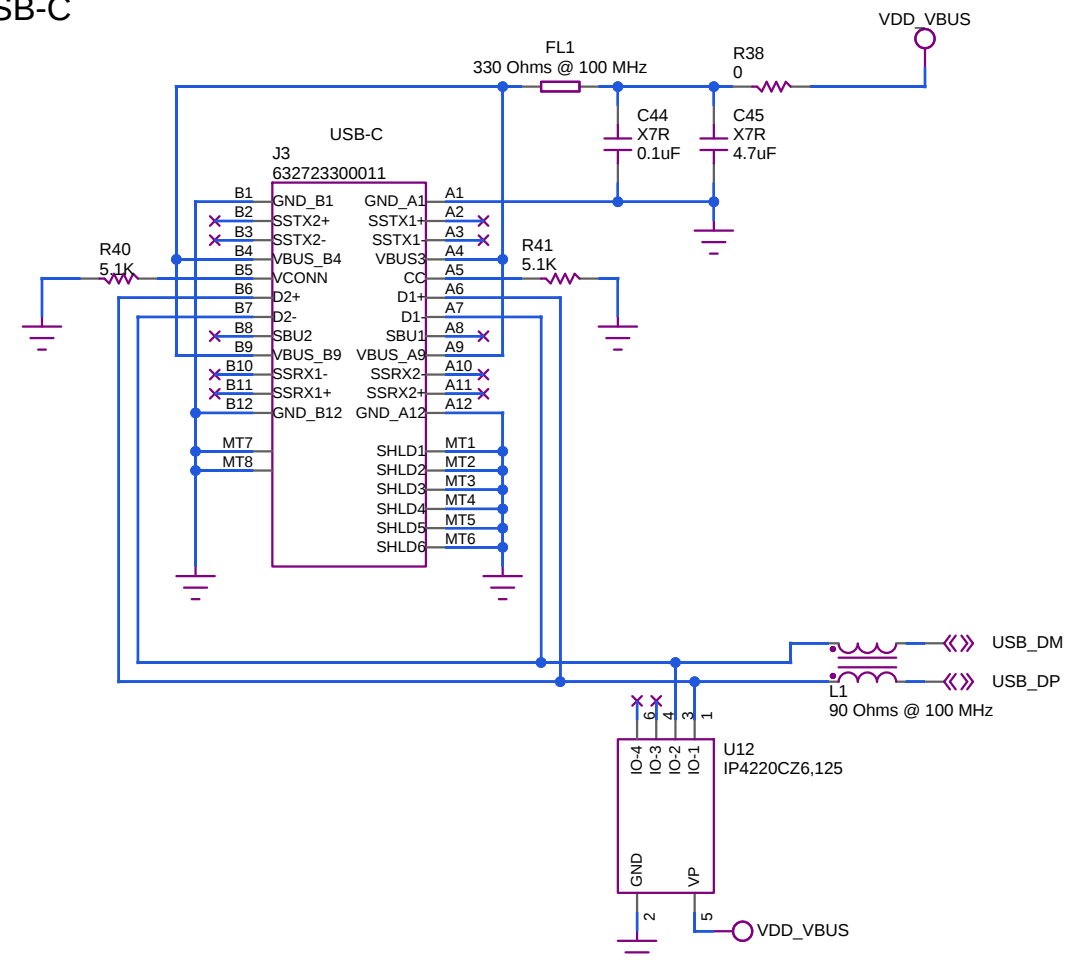
## Select REF\_CLK



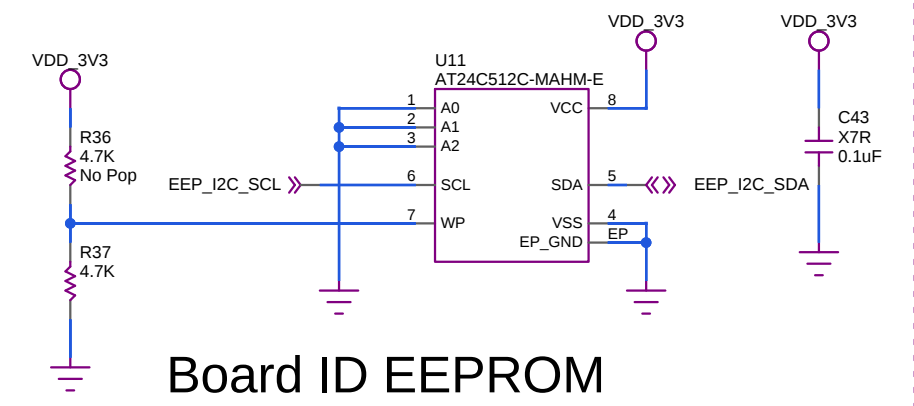
## Connectors to/from daughter card

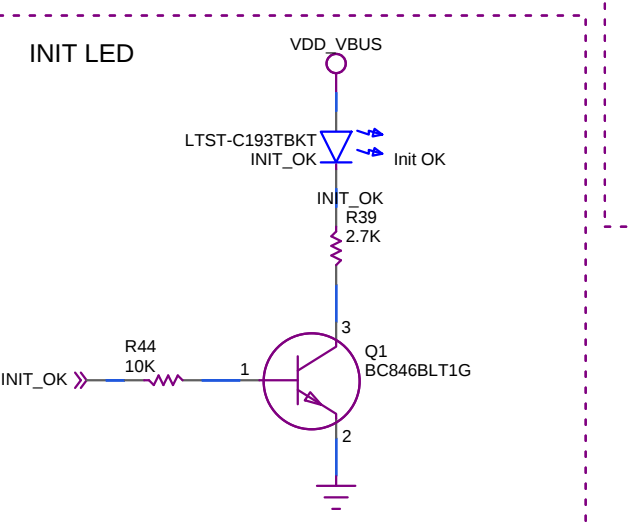
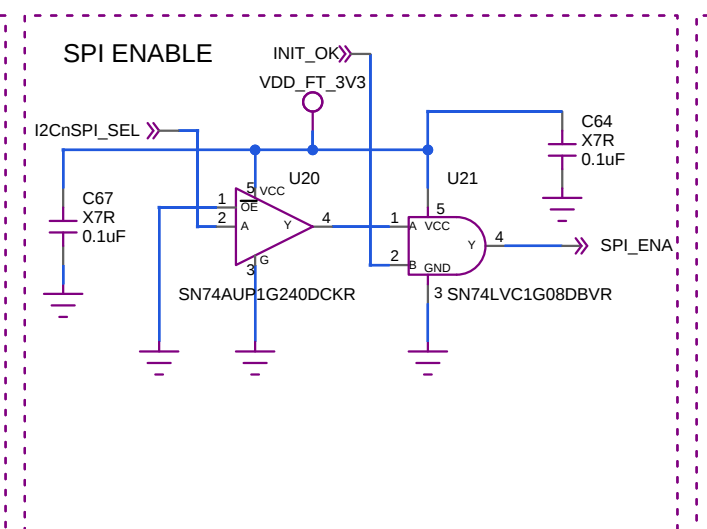
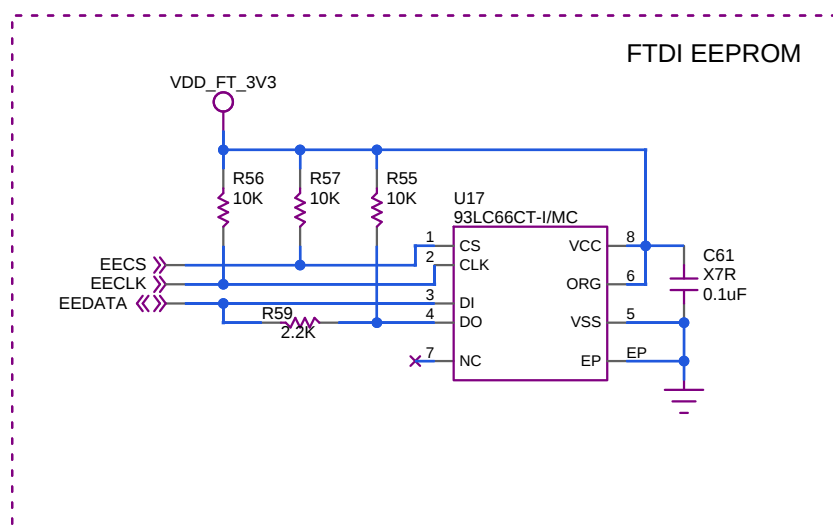
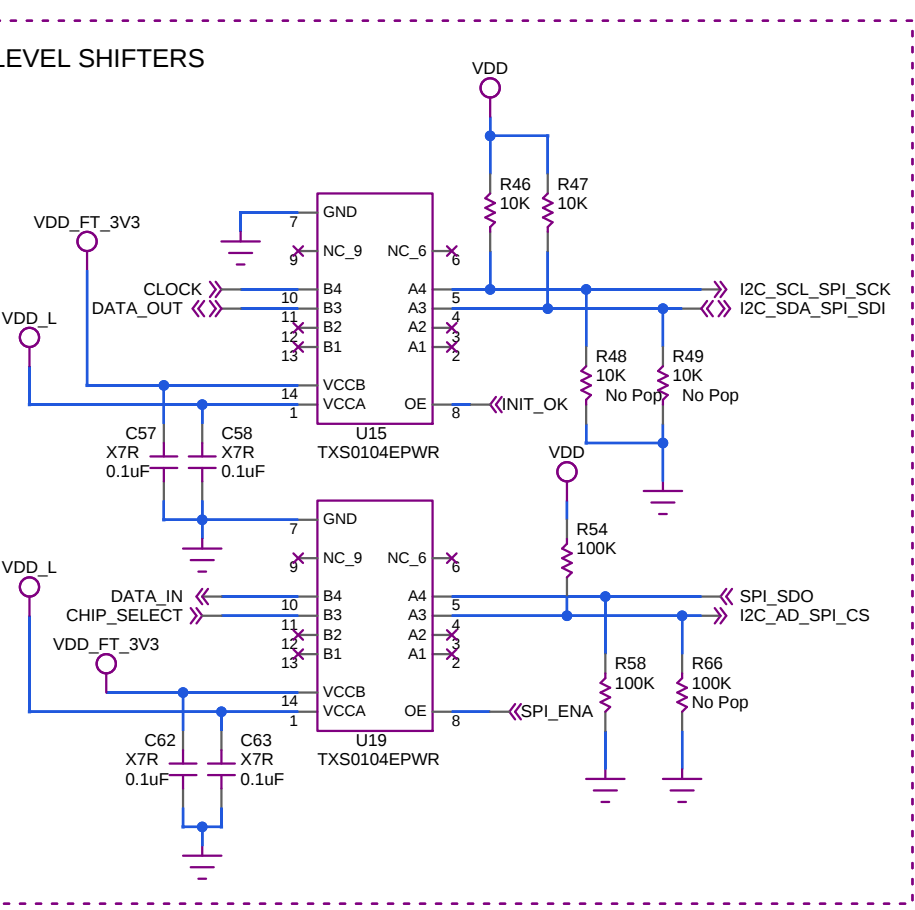
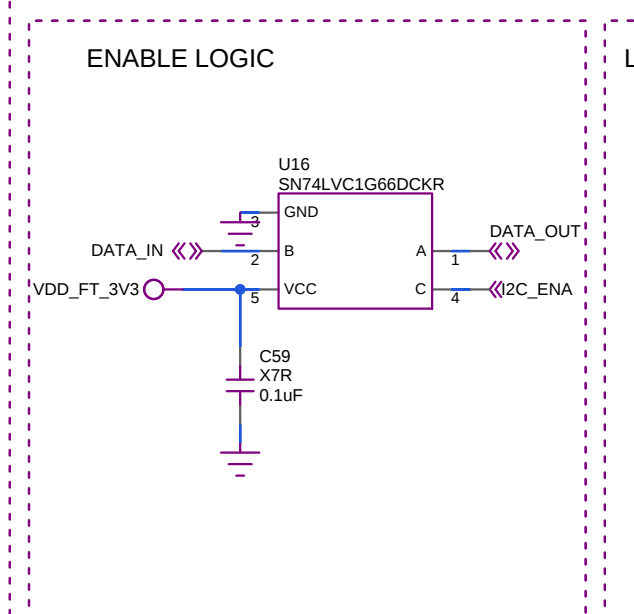
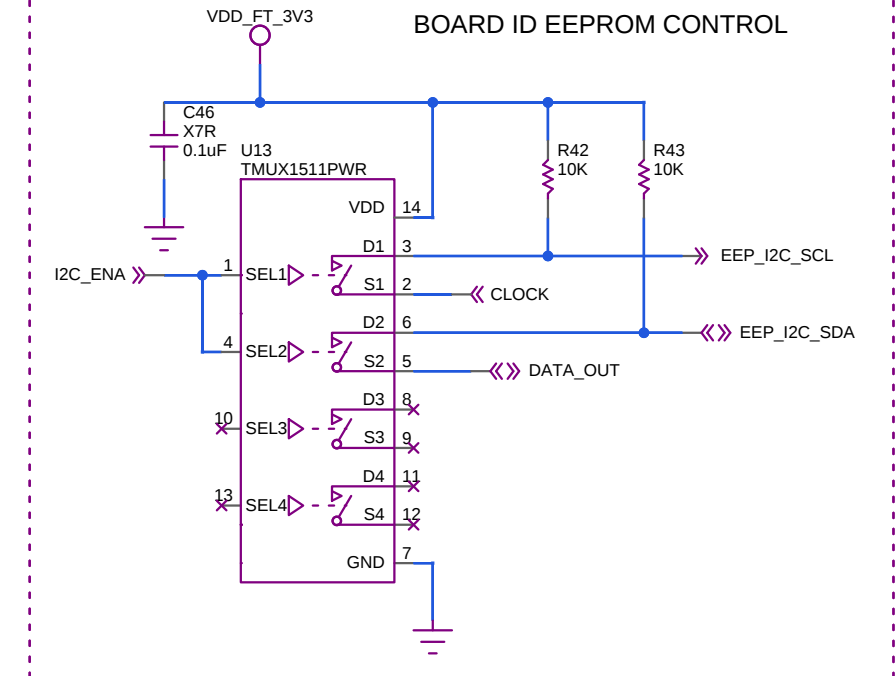
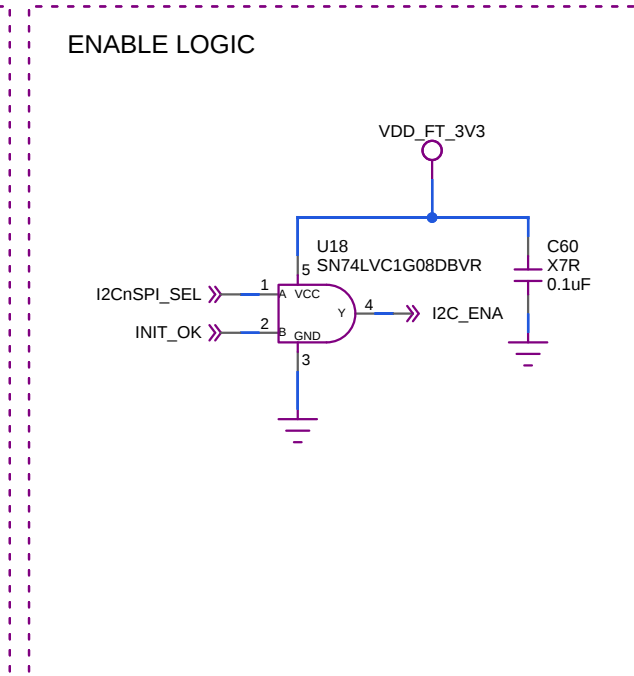
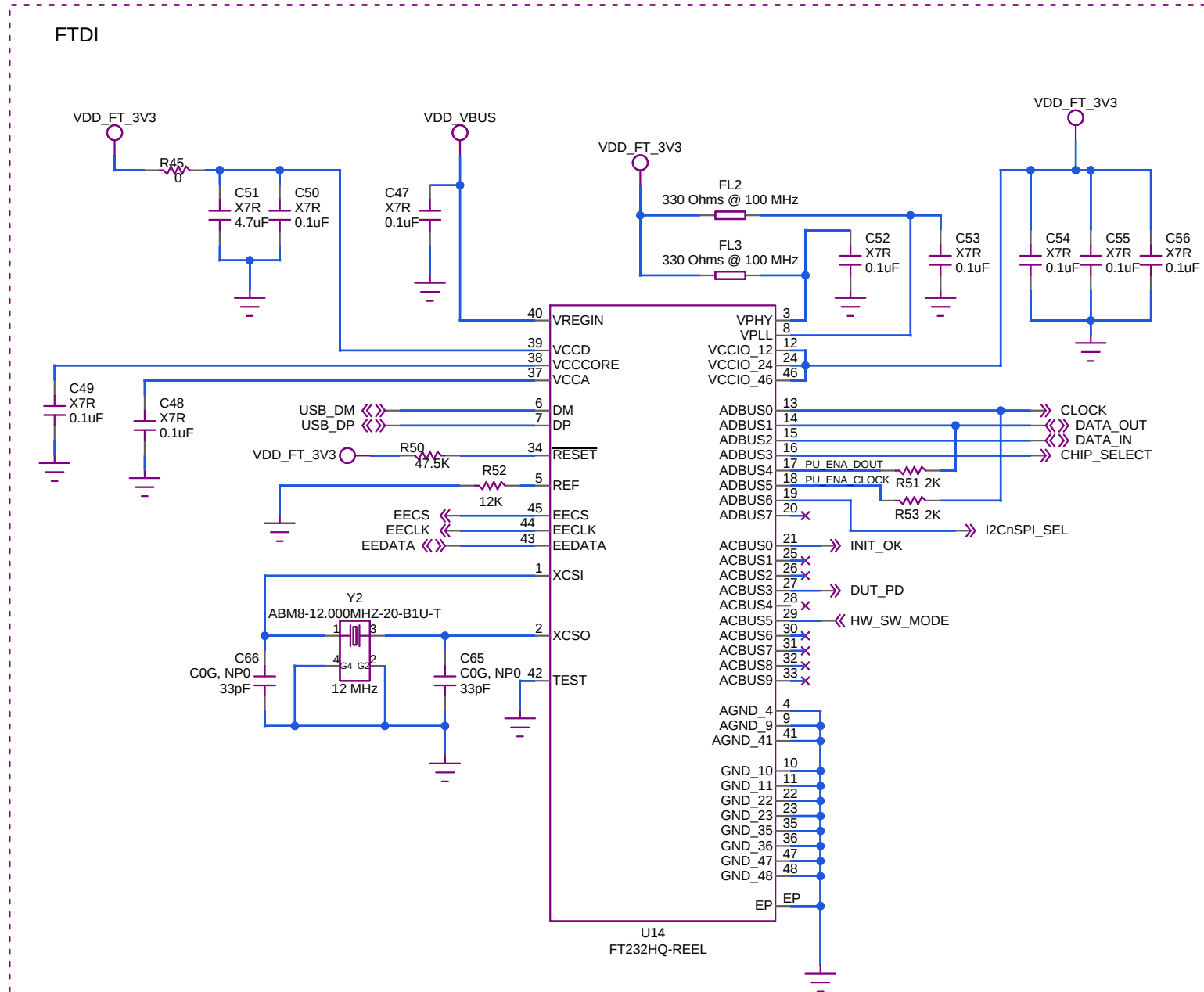


## USB-C

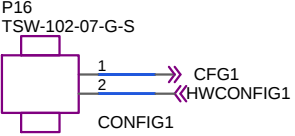
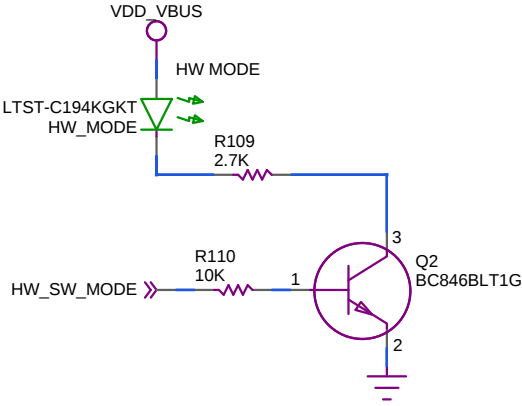


## Board ID EEPROM

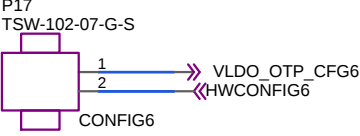




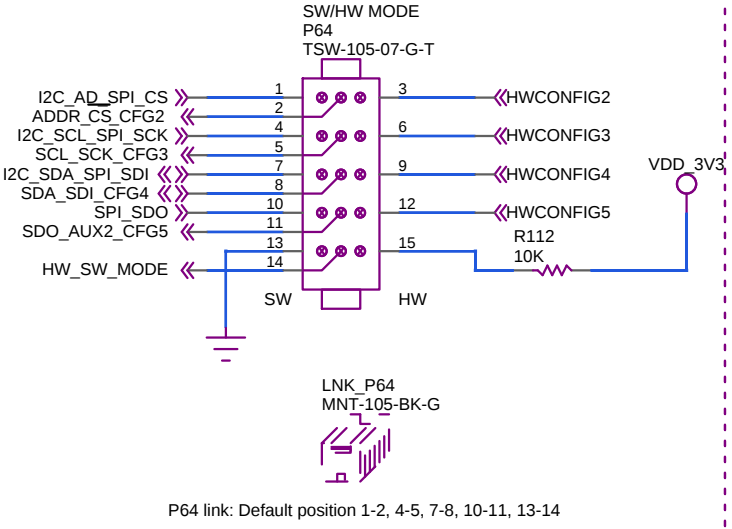
# HW Mode / SW Mode select



LNK\_P16  
M7686-05  
P16 link: Default position 1-2

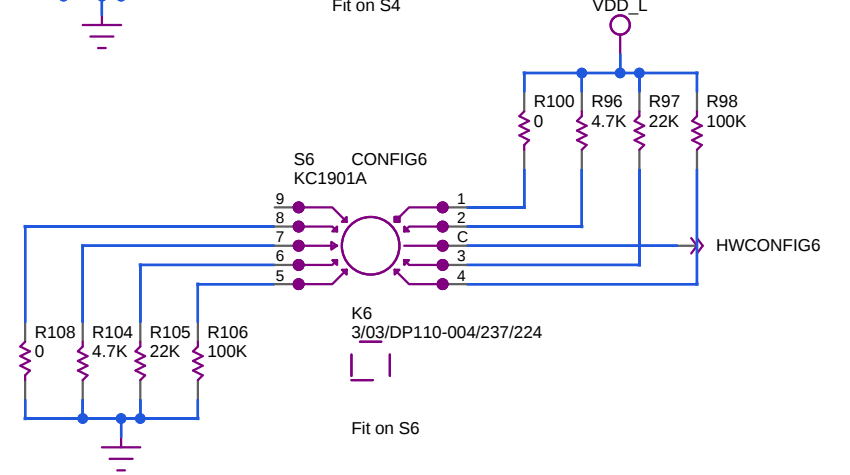
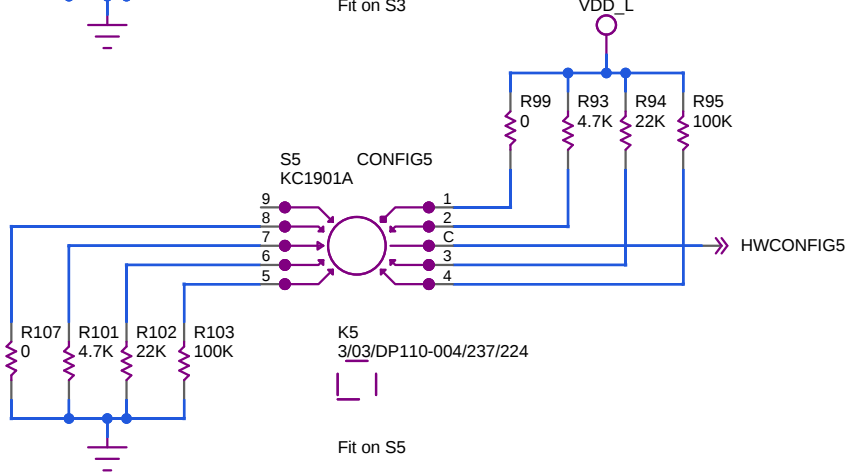
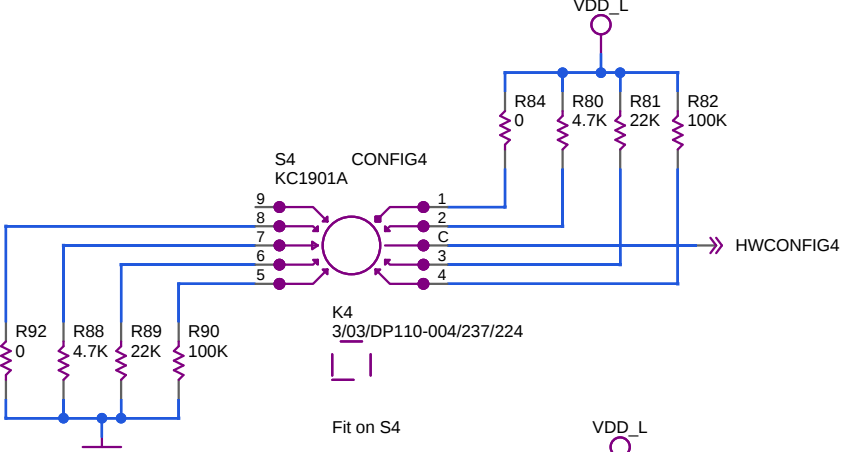
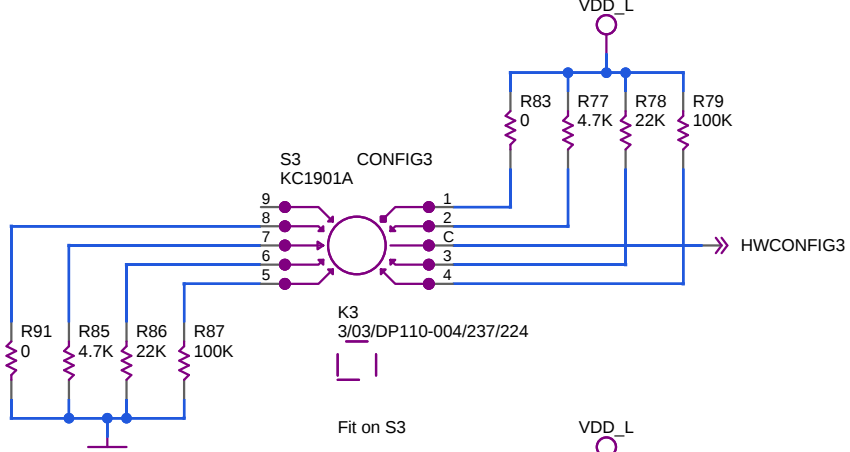
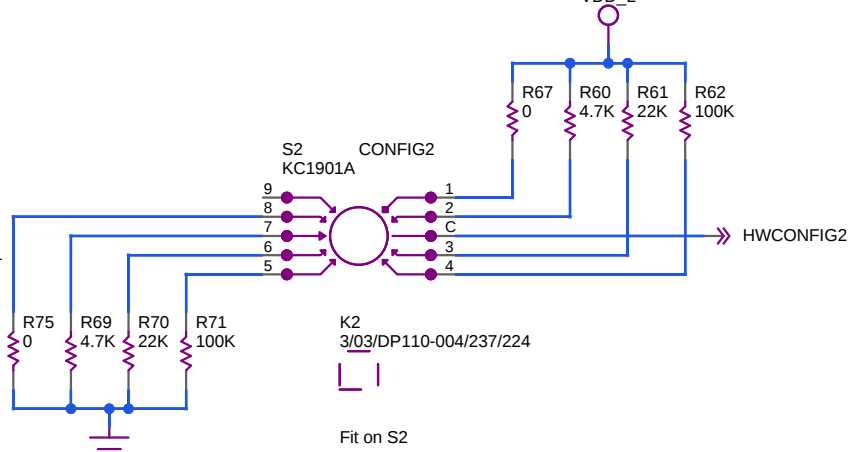
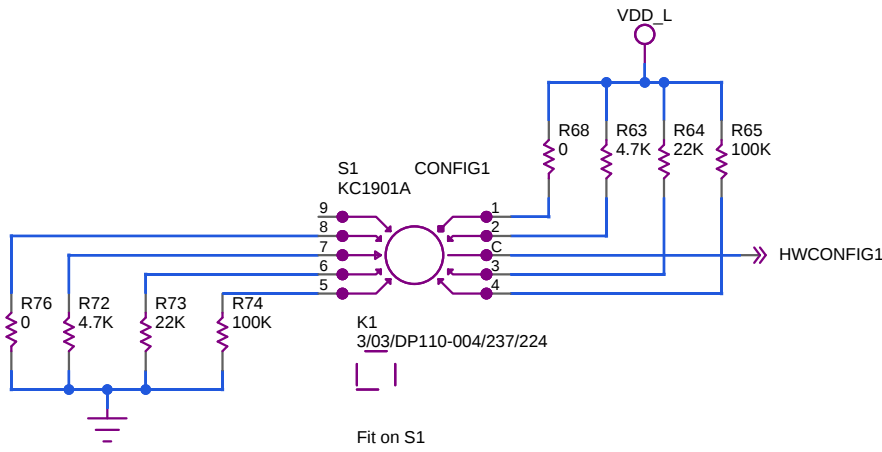


LNK\_P17  
M7686-05  
P17 link: Default position 1-2



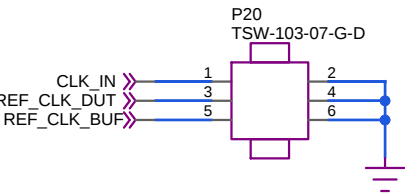
LNK\_P64  
MNT-105-BK-G  
P64 link: Default position 1-2, 4-5, 7-8, 10-11, 13-14

# HW Control Mode configuration

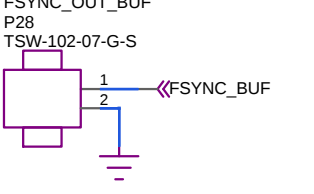
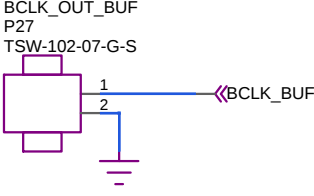
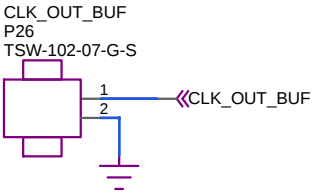
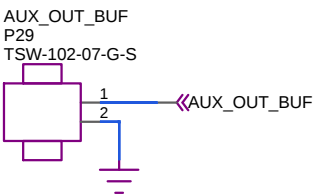


Test Points

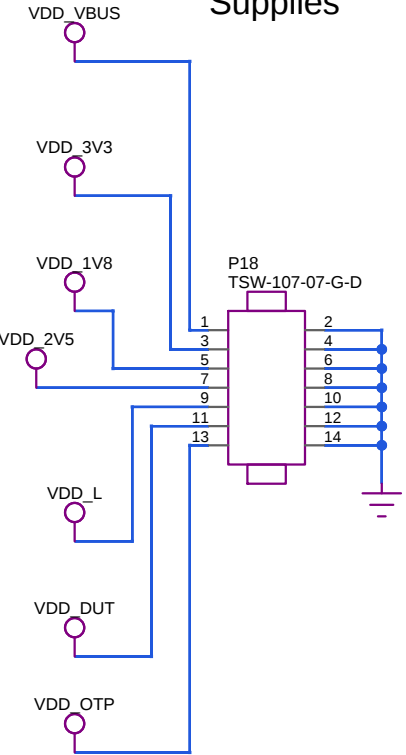
Input Clocks



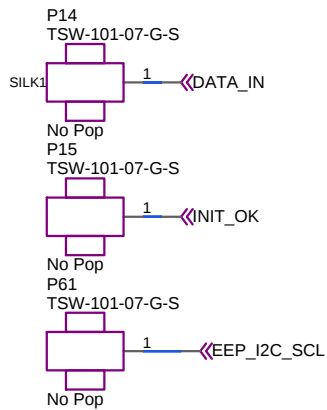
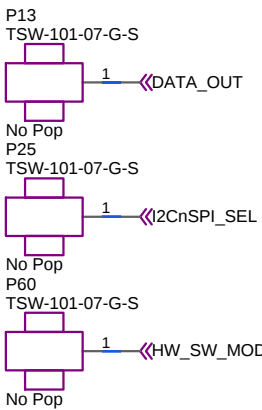
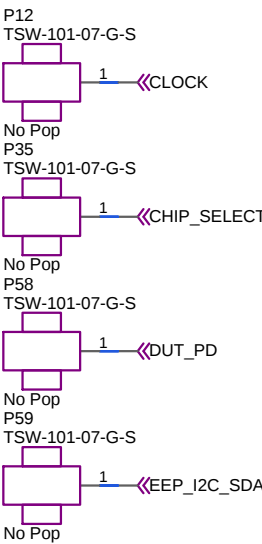
Output Clocks buffers out



Supplies



FTDI, no pop



Control SPI/I2C/HWMODE

