Edge Connector

POWER

MCU Module Headers

ESD Projection

USB Serial
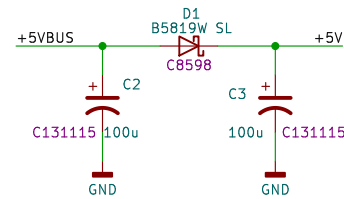
If possible. have a SWD connector at the top of the card.
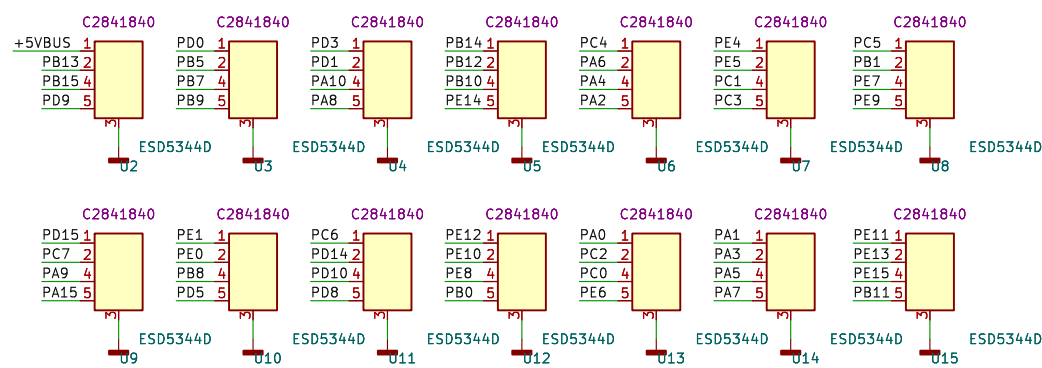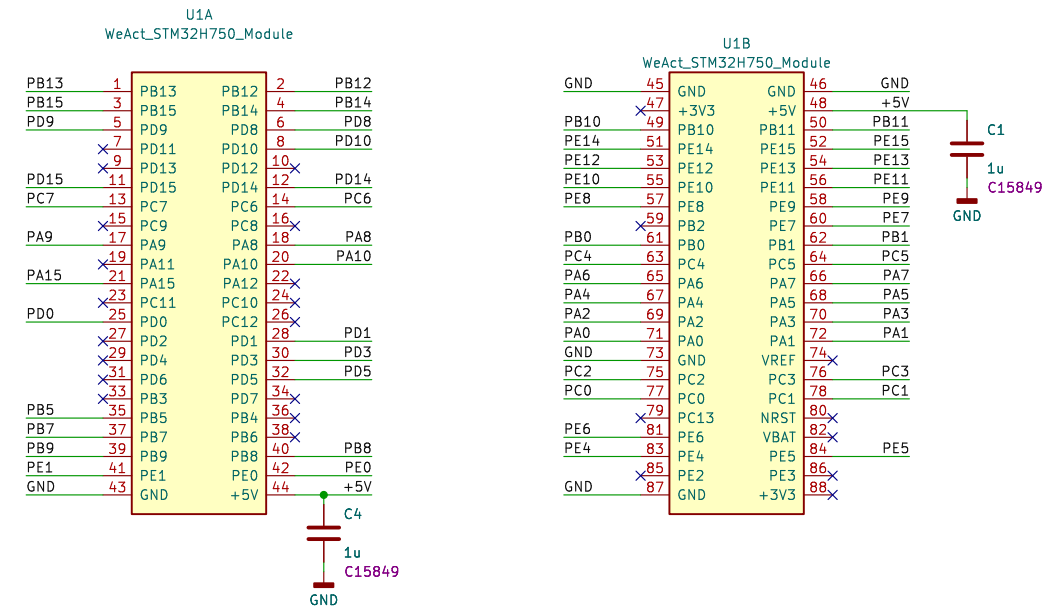
TODO: Extend the pads of electrolitic caps and protection diodes

Do not populate C2

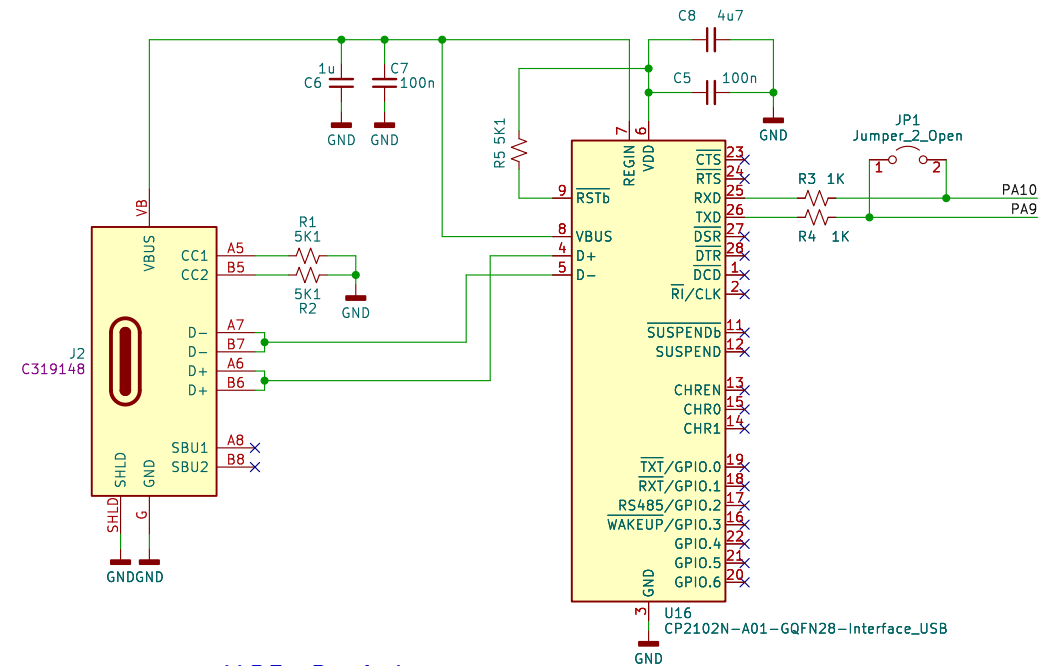TODO: route reset switch at card edge

TODO: Add LEDs for data link RX/TX

J1
Pcie_98

PWR_FLAG   PWR_FLAG
+5VBUS

GND

U1A
WeAct_STM32H750_Module

U1B
WeAct_STM32H750_Module

D1
B5819W SL
+5VBUS   +5V
C8598

C2
C131115 100u   C3   100u C131115

GND   GND

C4
1u
C15849
GND

C1
1u
C15849
GND

C2841840 (ESD5344D)

J2
C31914B

U16
CP2102N-A01-GQFN28-Interface_USB

C6 1u   C7 100n
GND GND

C8 4u7
C5 100n
GND

R5 5K1
RSTb

JP1
Jumper_2_Open
R3 1K
R4 1K
PA10
PA9

R1 5K1
R2 5K1
GND