Edge Connector

POWER

MCU Module Headers

ESD Projection

USB Serial

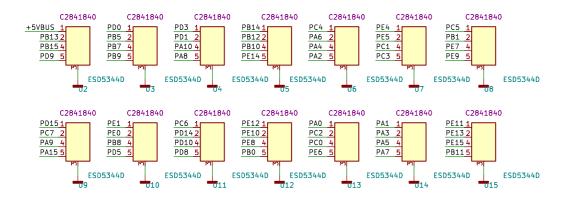If possible. have a SWD connector at the top of the card.
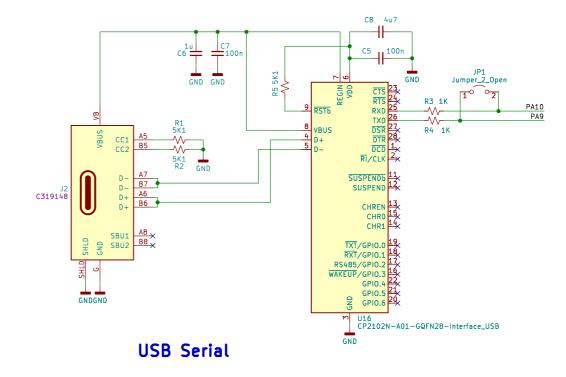
TODO: Extend the pads of electrolitic caps and protection diodes

Do not populate C2

TODO: route reset switch at card edge

PWR_FLAG   PWR_FLAG

+5VBUS

GND

J1
Pcie_98

U1A
WeAct_STM32H750_Module

U1B
WeAct_STM32H750_Module

D1
B5819W SL
+5VBUS   +5V

C2
C131115 100u

C3
100u C131115

GND   GND

C4
1u
C15849
GND

C1
1u
C15849
GND

C2841840
ESD5344D

U16
CP2102N-A01-GQFN28-Interface_USB

J2
C31914B

JP1
Jumper_2_Open

R3 1K
R4 1K
PA10
PA9

R5 5K1
R1 5K1
R2 5K1

C6 1u
C7 100n
C8 4u7
C5 100n
GND

REGIN VDD
RSTb
VBUS
D+
D-
CTS
RTS
RXD
TXD
DSR
DTR
DCD
RI/CLK
SUSPENDb
SUSPEND
CHREN
CHR0
CHR1
TXT/GPIO.0
RXT/GPIO.1
RS485/GPIO.2
WAKEUP/GPIO.3
GPIO.4
GPIO.5
GPIO.6
GND