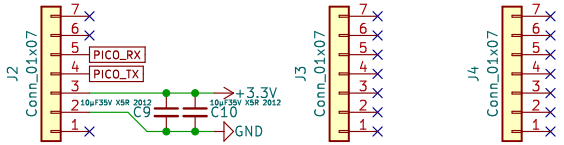
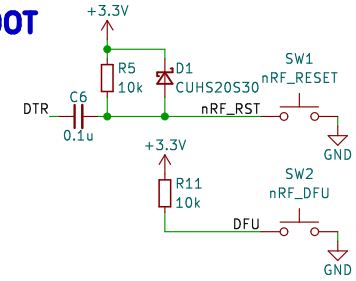
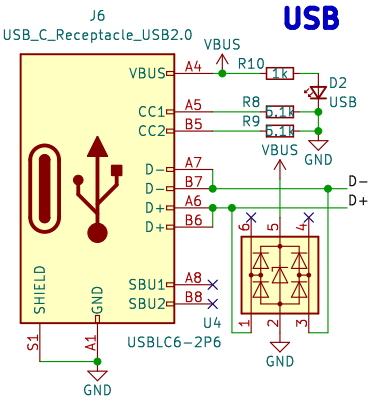
Interface



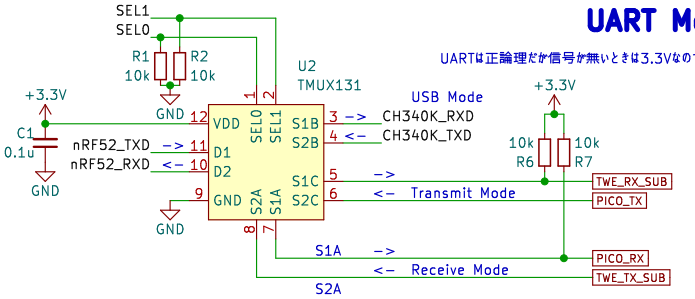
BOOT



USB



UART Mode



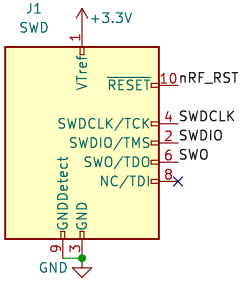
SEL1	SEL0		
Low	Low	B	USB Mode
Low	High	C	Transmit Mode
High	Low	A	Receive Mode
High	High	Disable	Disable

D:nRF側送信端だけダンピング
B:CH340K側送信端だけダンピング
C:PICO側ダンピングなし
A:TWE側ダンピングなし
TMUX131側送信端のダンピングは全て省略

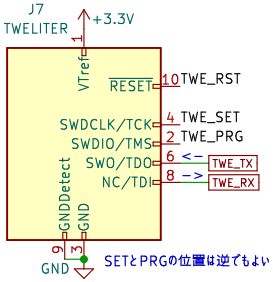
AとCを逆にする場合は
SELに繋がるBaseModeとRoverModeを逆にする
BaseModeがHighのときに送信するのは変わらないので
REとDEはそのまま

SEL0とSEL1の内部プルダウンは6MΩ

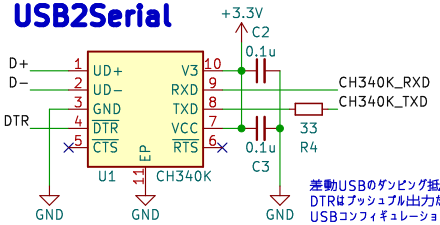
Debug



TWELITE R3

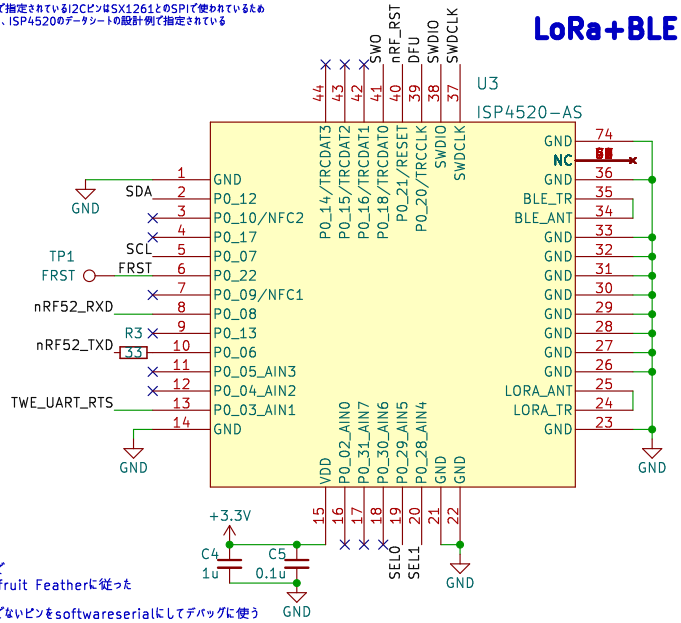


USB2Serial



LoRa+BLE

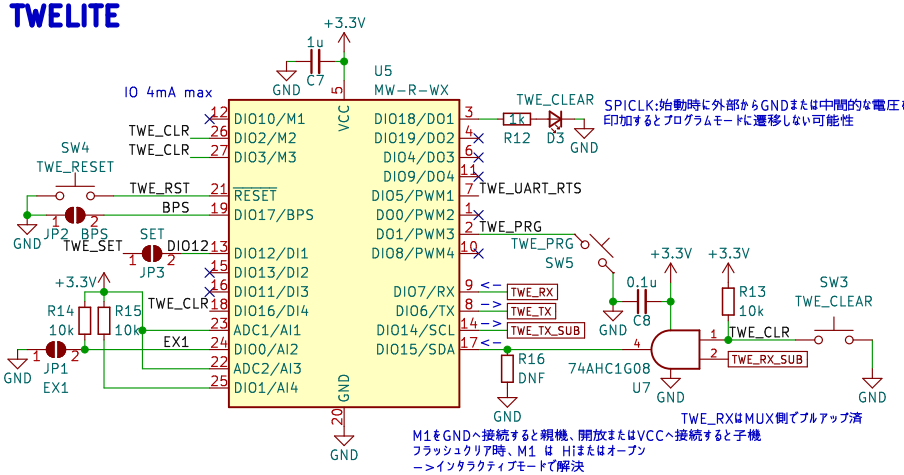
Adafruit Featherで指定されているI2CピンはSX1261とのSPIで使われているため
variant.hを編集して、ISP4520のデータシートの設計例で指定されている
SCL:P0_07
SDA:P0_12
に変更



UARTは1chまで
割り当てはAdafruit Featherに従った

Low freq属性でないピンをsoftwareserialにしてデバッグに使う

TWELITE



U.E.C.wings		
Sheet: /		
File: CommunicationBoard.kicad_sch		
Title: CLAS_Combo_Breakout_MovingBase−HAT		
Size: A4	Date: 2024−02−01	Rev:
KiCad E.D.A. eeschema (6.0.9)		Id: 1/1