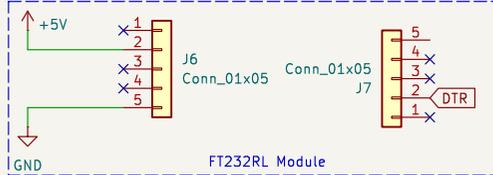
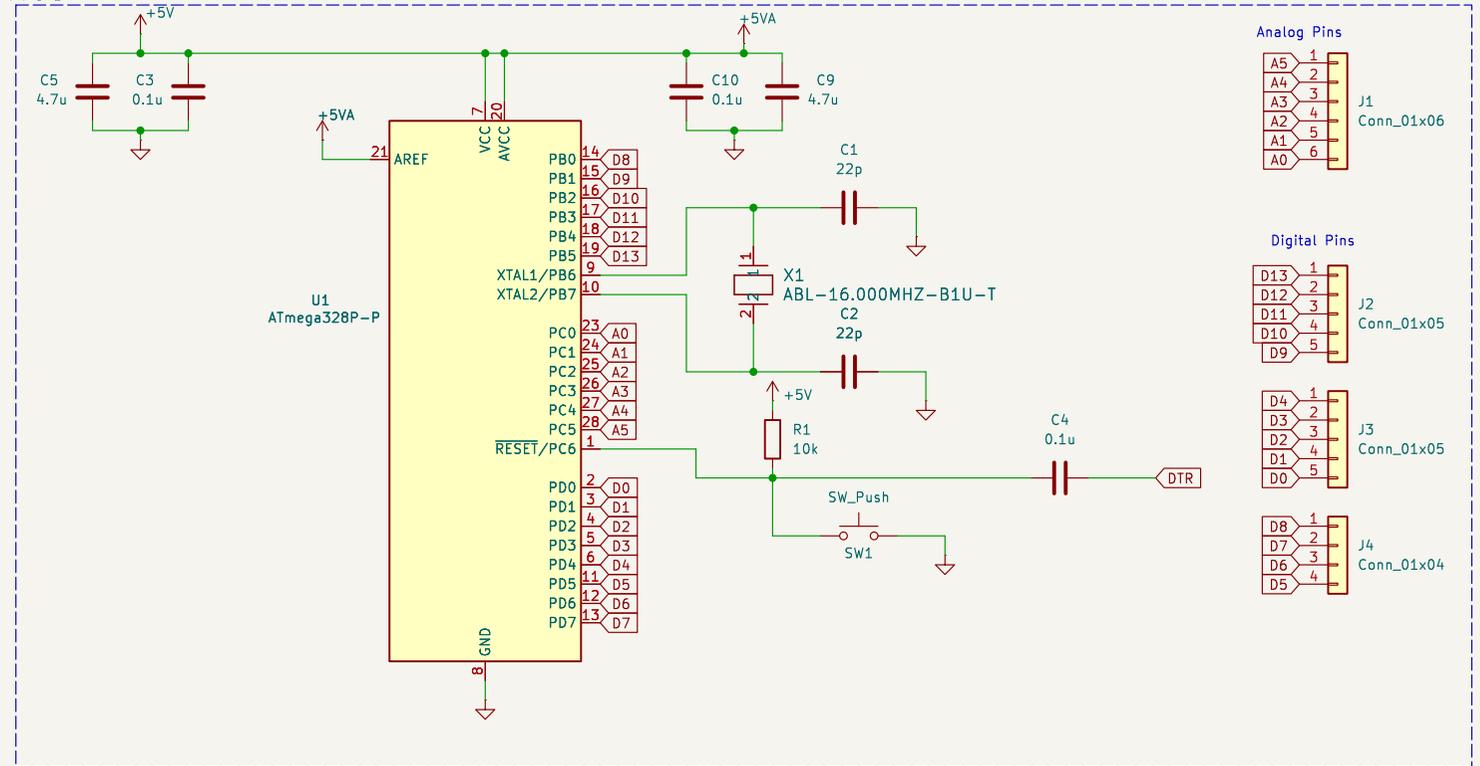


USB to Serial Communication

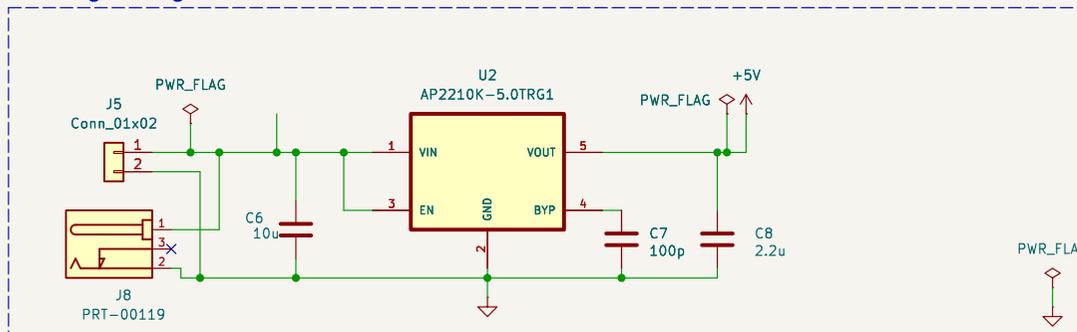


MCU



- Decoupling Capacitors on the VCC and AVCC PINS
- VCC and AVCC PINS are directly connected together. Had no issues with this direct connections so far.

Voltage Regulation



1. C_IN needs to be atleast 1uF
2. C_OUT needs to be 2.2uF when bypass is used
3. Bypass capacitor needs to be no more than 100pF
4. $V_{JN} = (150C - 50C) / (0.3A * 200C/W) + 3.3 = 4.97V$, for $I_{OUT} = 300mA$ and $T_A = 50C$

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