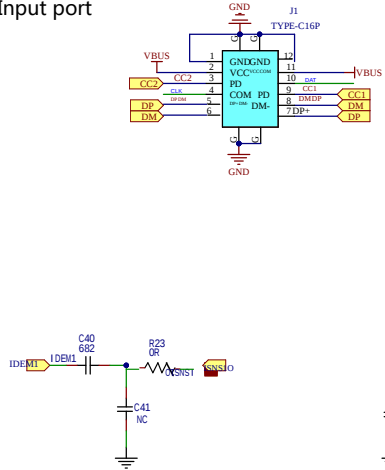


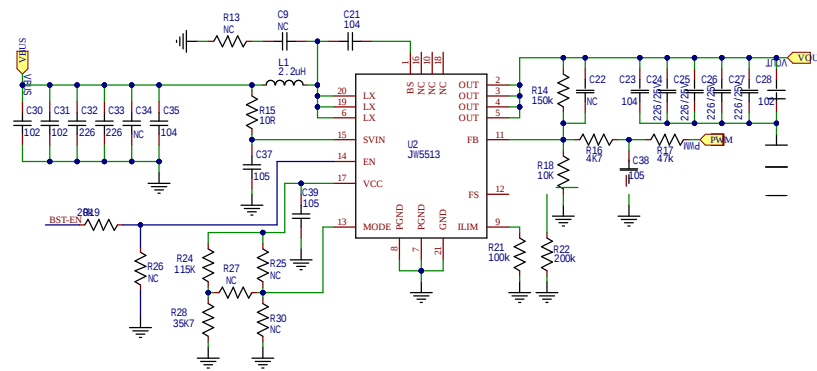
If there is no C port, VBUS, DP, DM, and GND pad interfaces need to be added for upgrade

Input port

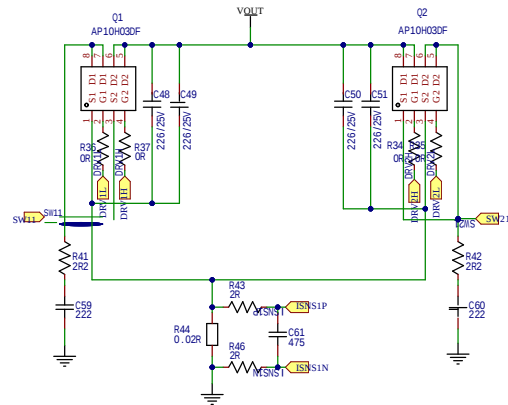


Place the small capacitor near the IC

Boost chip



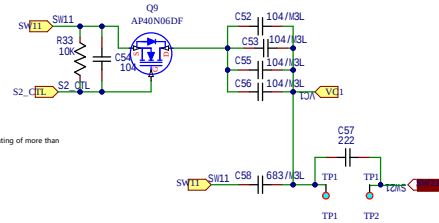
H-bridge control circuit



MPP commutation circuit

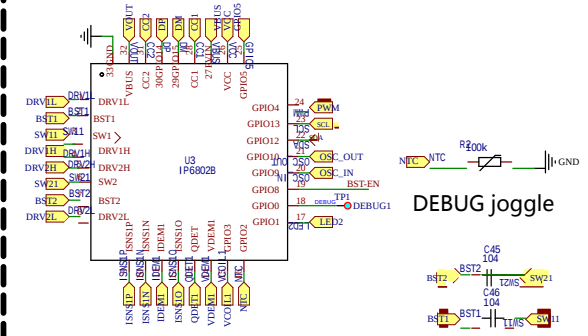
- Q1 is on, and the resonant capacitor is 468nf
- Q4 is closed, and the resonant capacitor is 68nf

Path switching MOS (Q4) requires a MOS with a voltage rating of more than 60V



Master chip

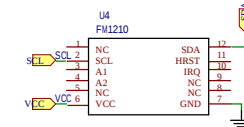
VBUS and VOUT are sampled separately



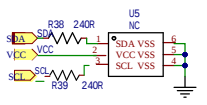
Q12: 0-bit encryption IC is selected and I2C pull-up resistor is reserved



Fudan Micro encrypted IC



Purple light same core encryption IC



Voltage decoding circuit

