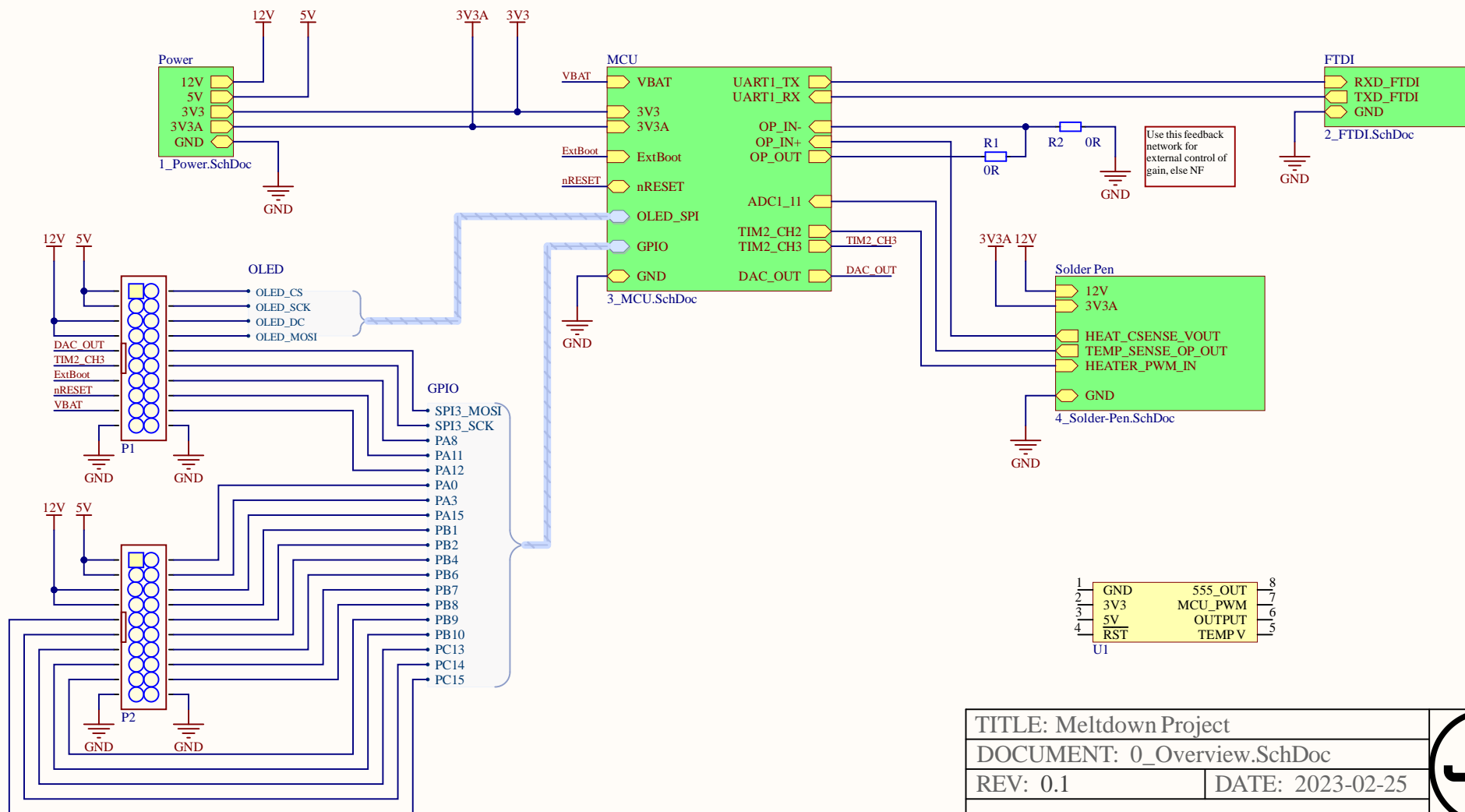
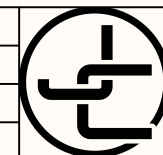


Meltdown Solder Station

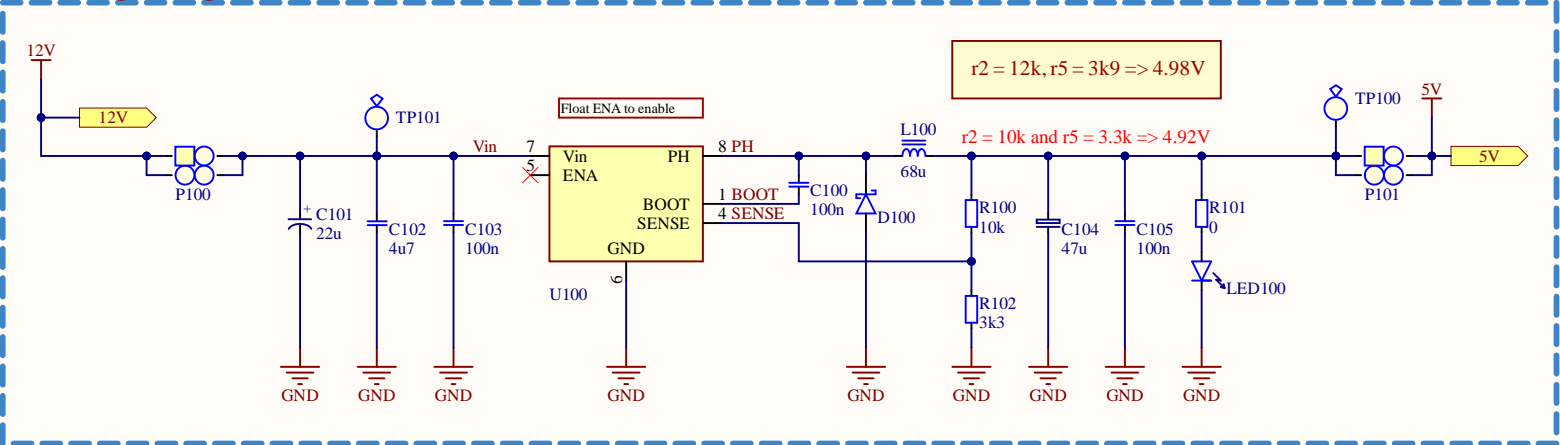


TITLE: Meltdown Project	
DOCUMENT: 0_Overview.SchDoc	
REV: 0.1	DATE: 2023-02-25

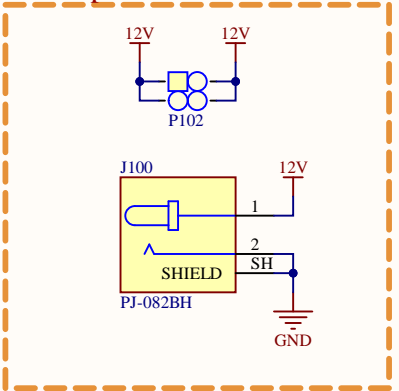


[1] Power

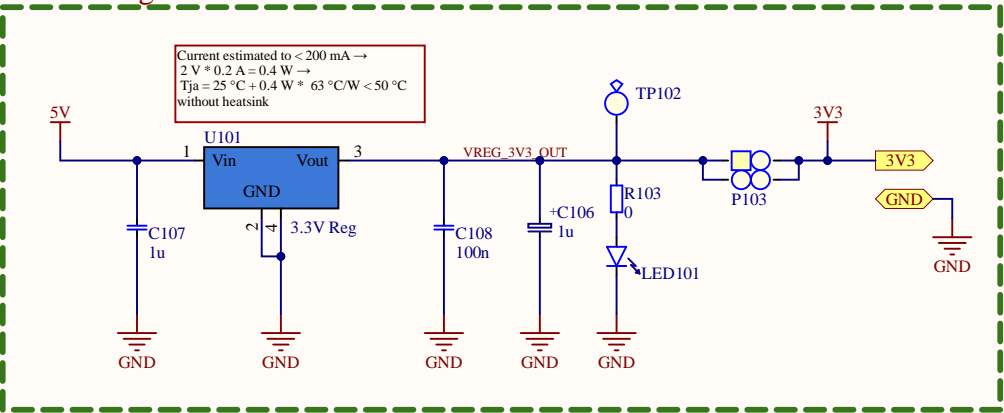
Switching V-Reg to 5V



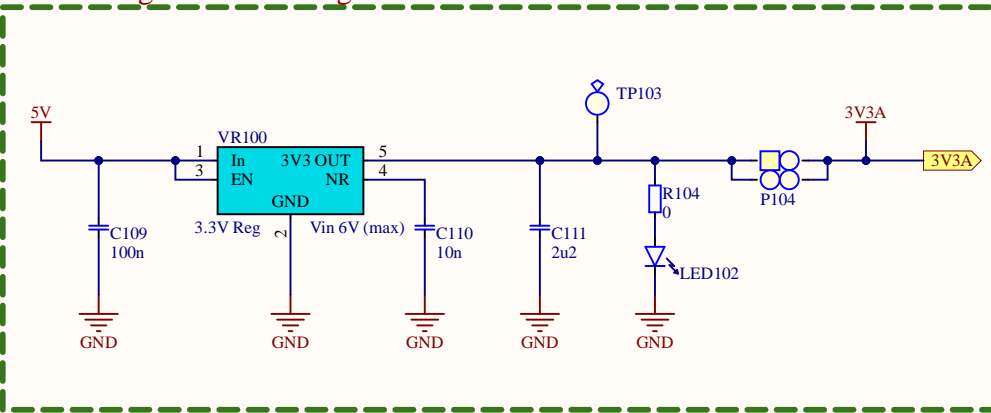
12V Input



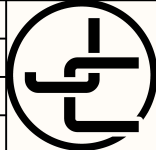
LDO V-Reg to 3.3V



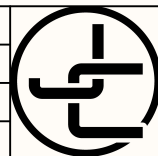
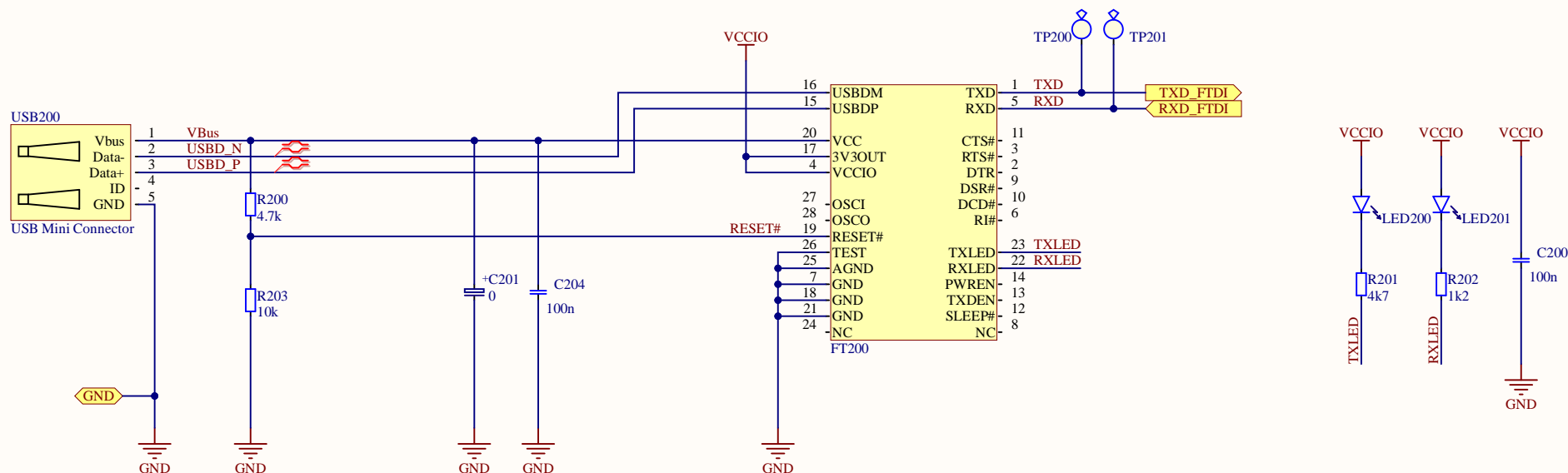
LDO V-Reg to 3.3V Analog



TITLE: Meltdown Project	
DOCUMENT: 1_Power.SchDoc	
REV: 0.1	DATE: 2023-02-25



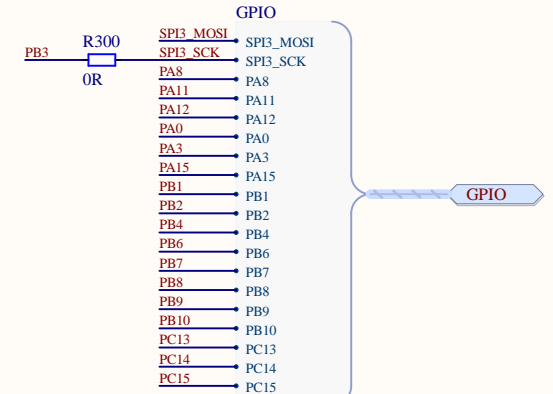
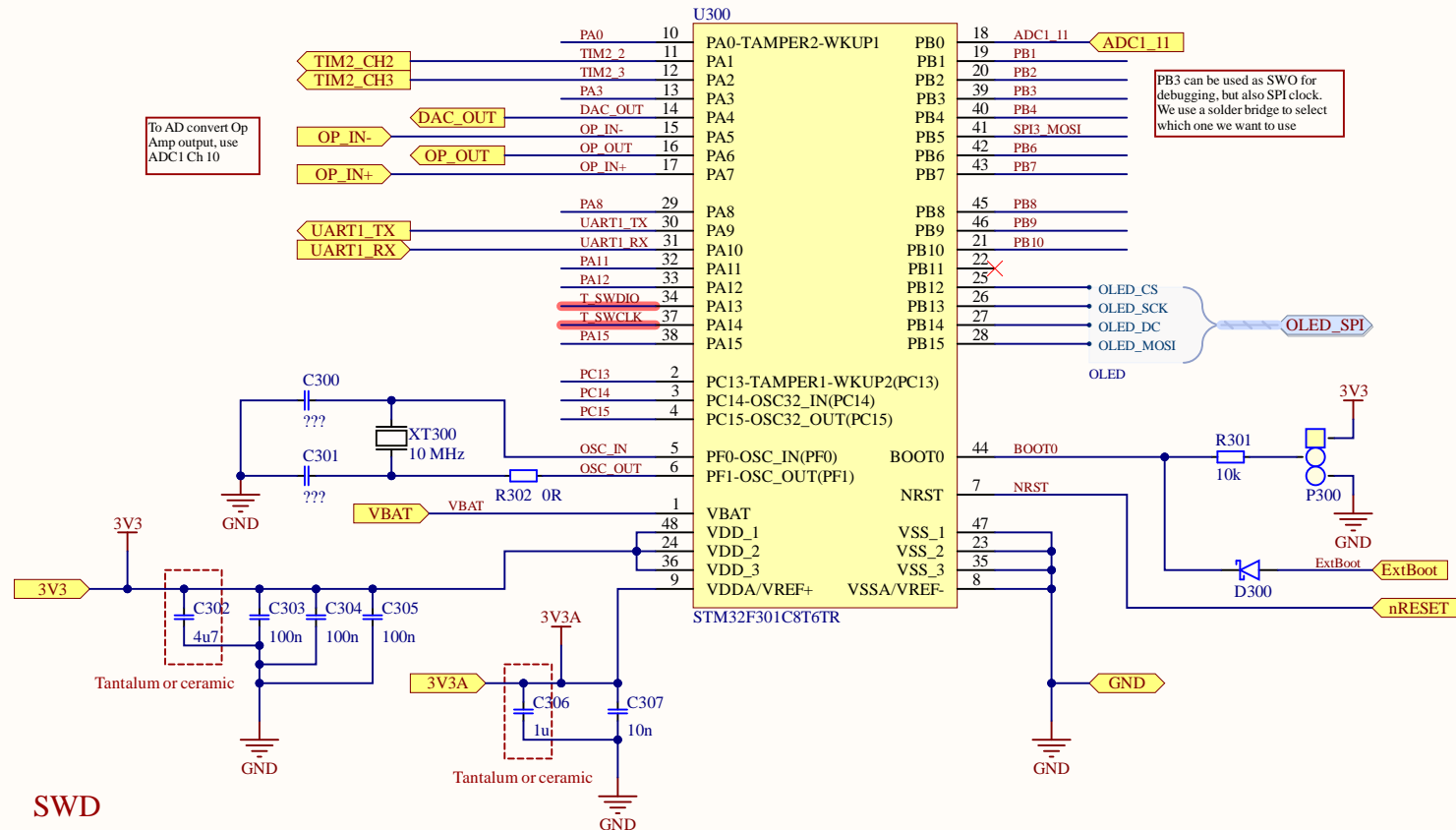
[2] FTDI



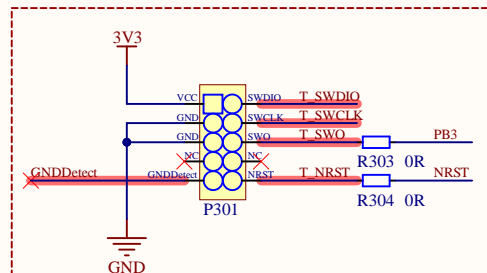
[3] MCU

TODO

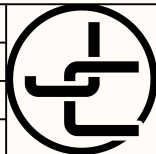
- Check nRST, might be driven from multiple? connect to interface board
- Use a Pi-filter for VDDA?



SWD



TITLE: Meltdown Project
DOCUMENT: 3_MCU.SchDoc
REV: 0.1
DATE: 2023-02-25

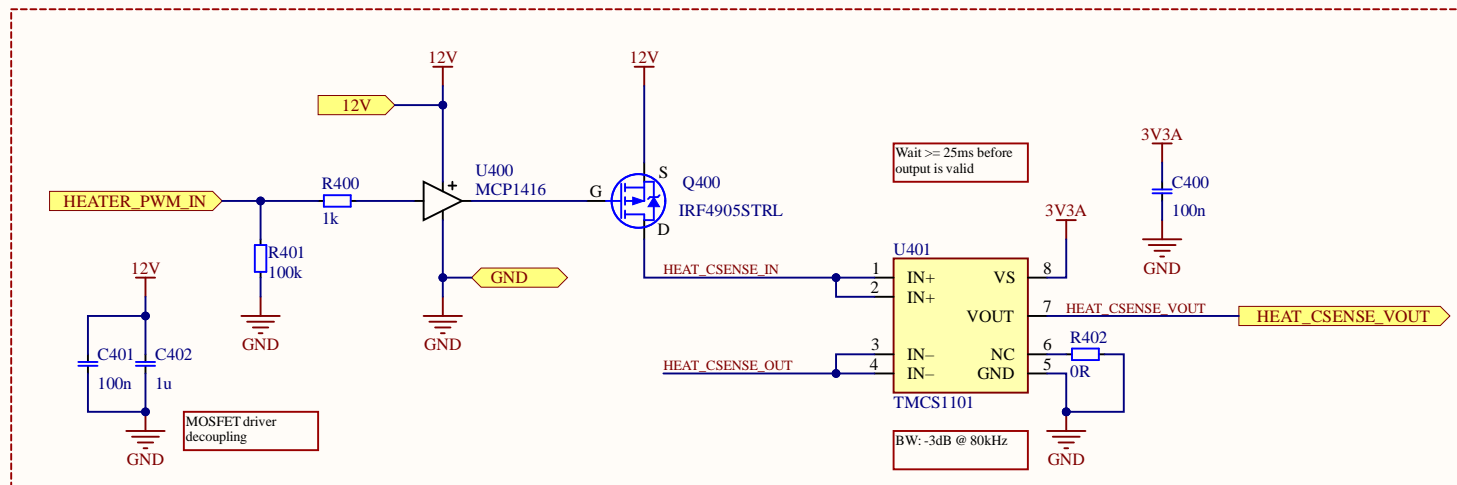


[4] Solder Pen

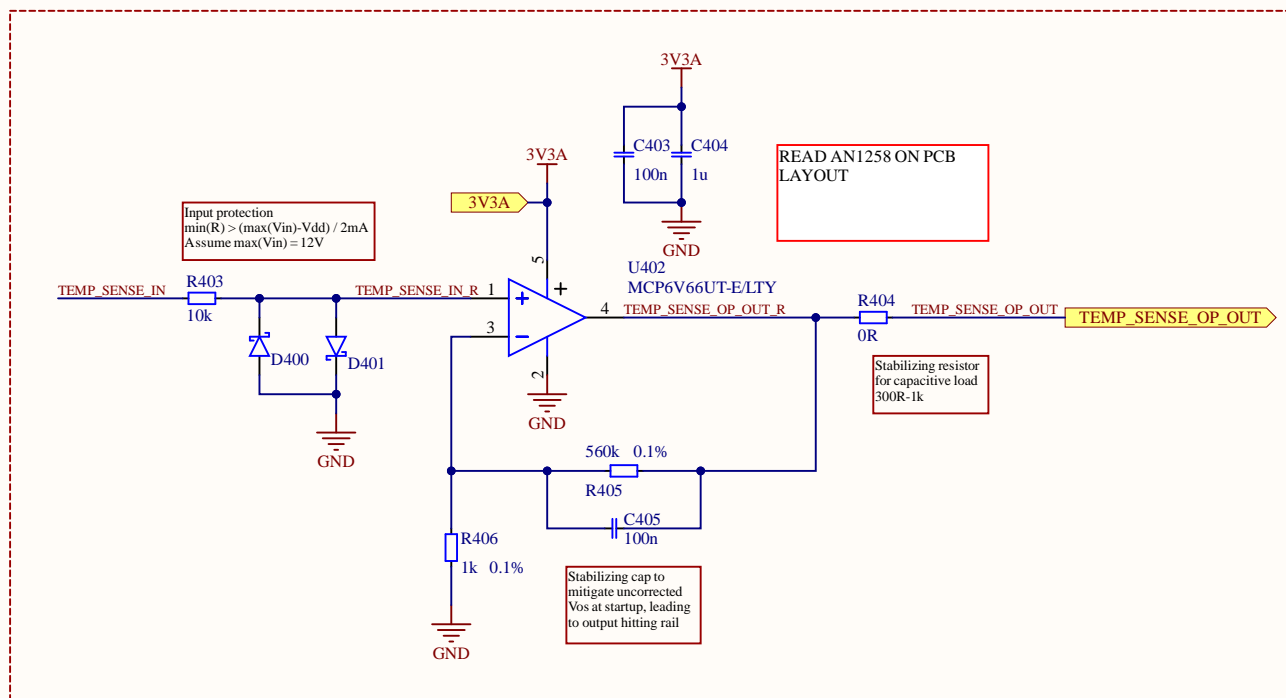
TODO

- Check solder pen connections
- Check if mosfet driver is 1416 or 1416R - we have 1416

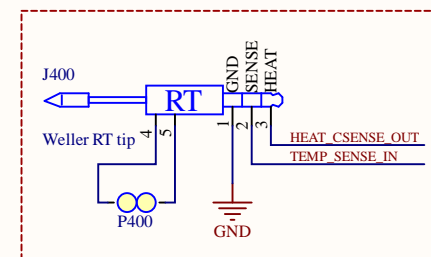
Driver circuit for solder tip, with current sensing



Temp sensor precision amplifier



Solder tip connector



TITLE: Meltdown Project
DOCUMENT: 4_Solder-Pen.SchDoc
REV: 0.1
DATE: 2023-02-25

