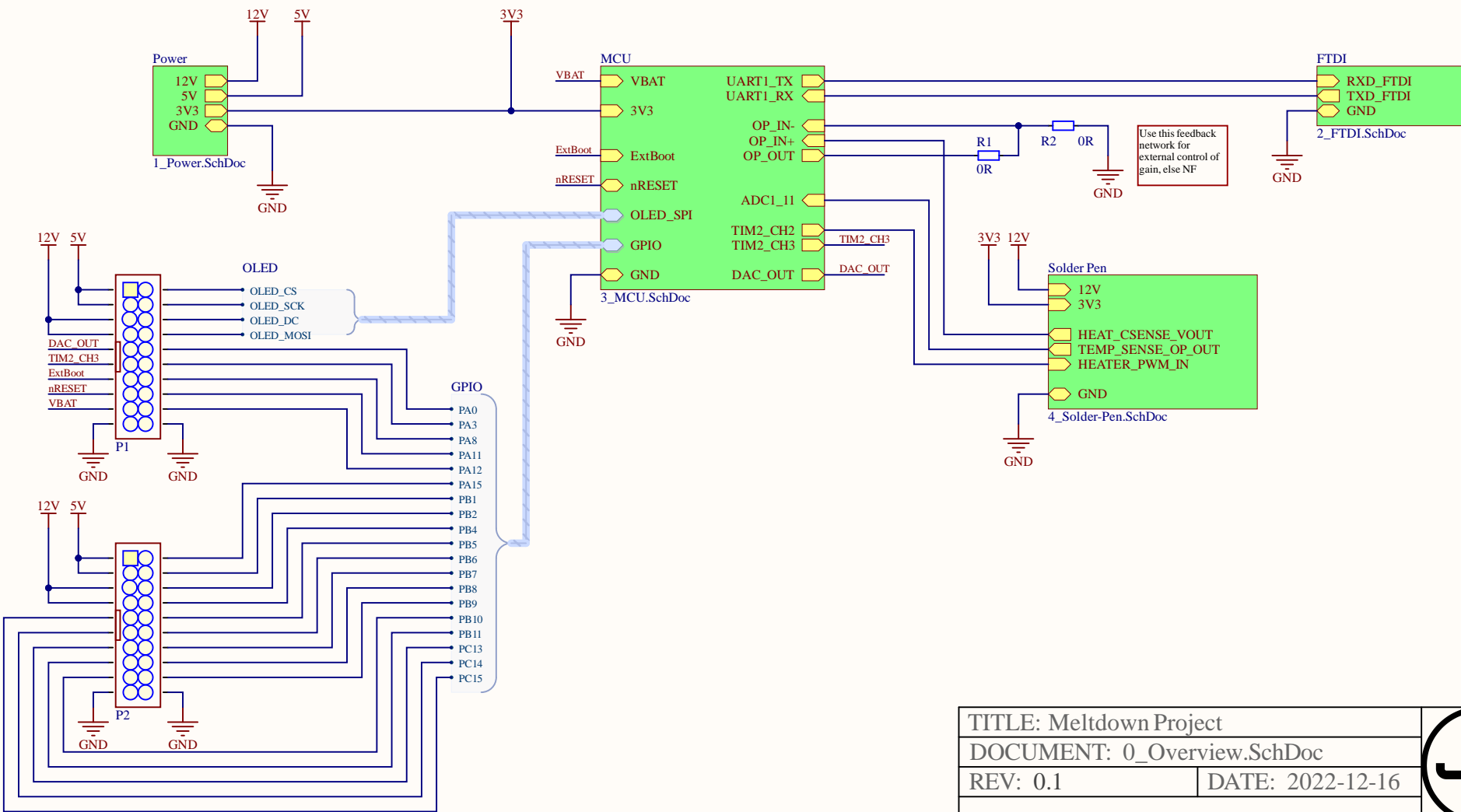
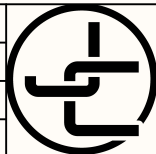


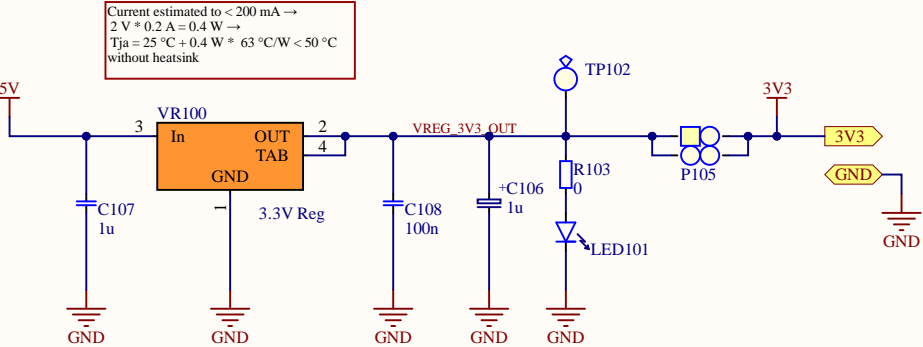
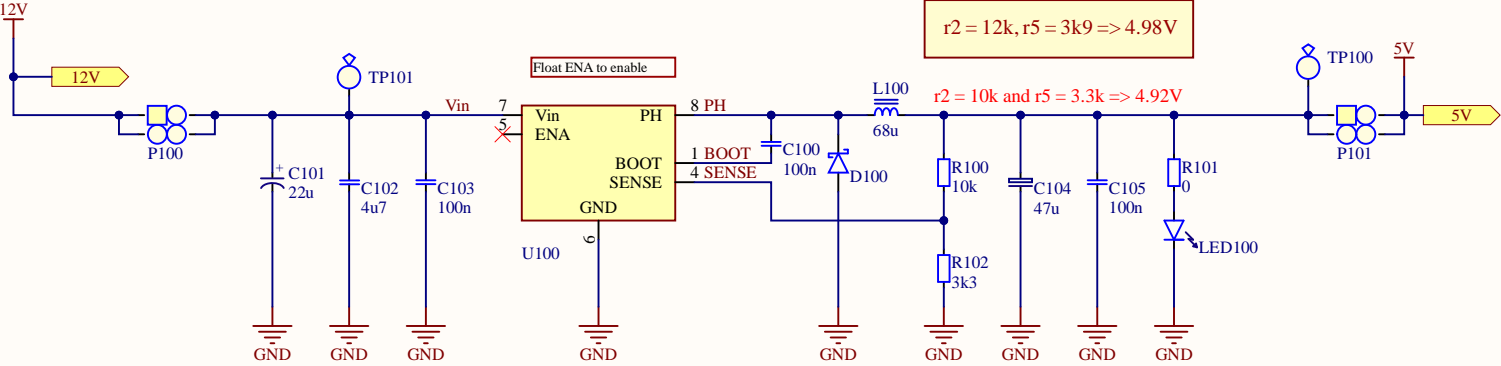
Meltdown Solder Station



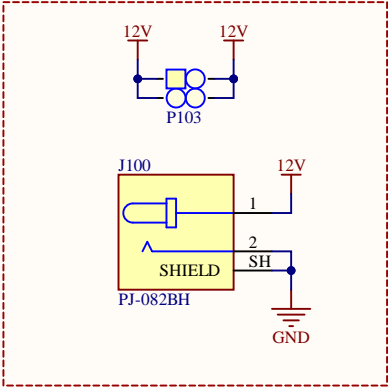
| | |
|-----------------------------|------------------|
| TITLE: Meltdown Project | |
| DOCUMENT: 0_Overview.SchDoc | |
| REV: 0.1 | DATE: 2022-12-16 |



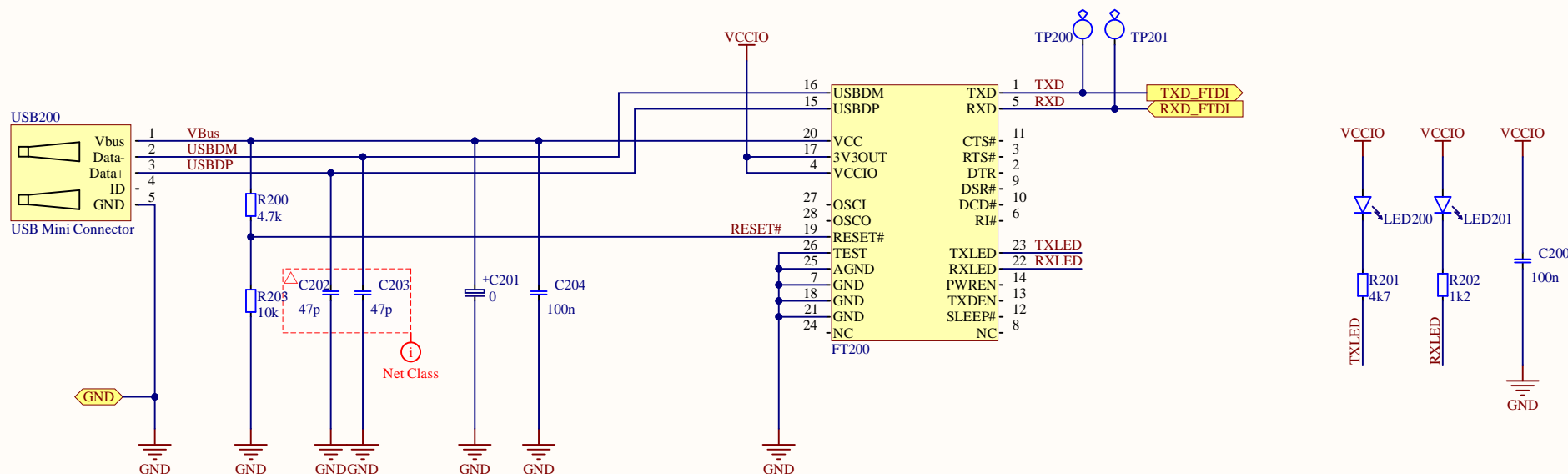
[1] Power



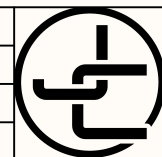
12V Input



[2] FTDI



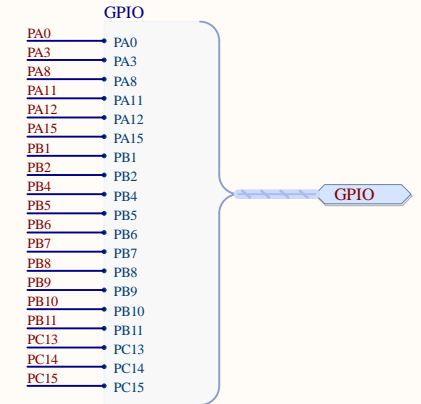
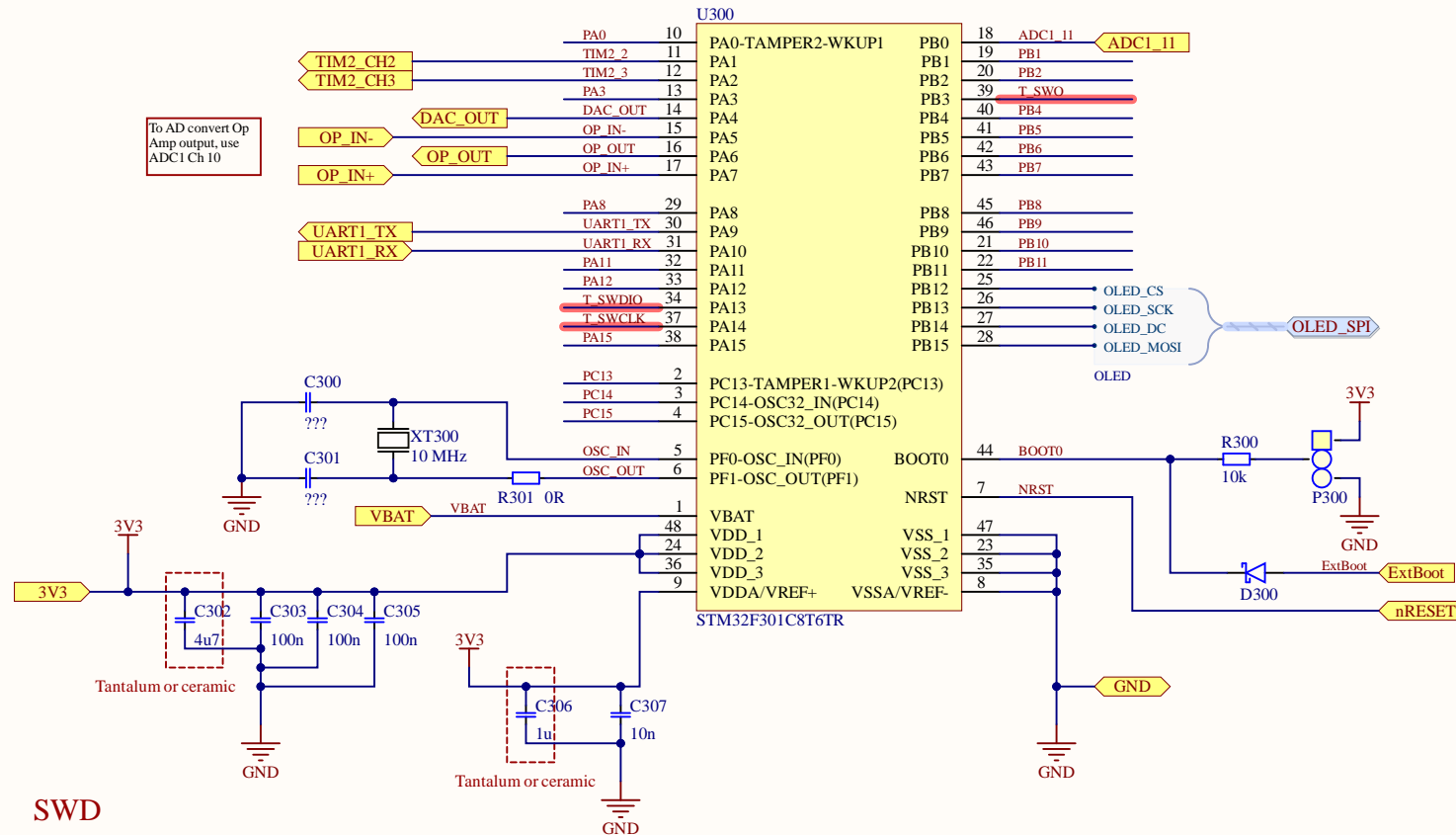
TITLE: Meltdown Project
DOCUMENT: 2_FTDI.SchDoc
REV: 0.1
DATE: 2022-12-16



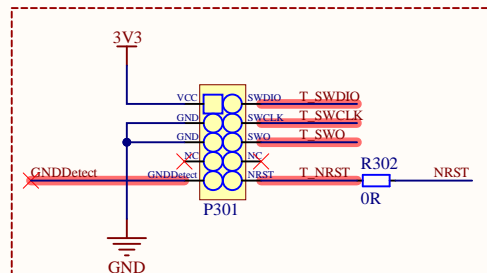
[3] MCU

TODO

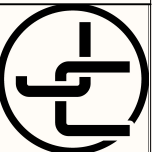
- Check nRST, might be driven from multiple? connect to interface board
- Use a Pi-filter for VDDA?



SWD



| | |
|-------------------------|------------------|
| TITLE: Meltdown Project | |
| DOCUMENT: 3_MCU.SchDoc | |
| REV: 0.1 | DATE: 2022-12-16 |

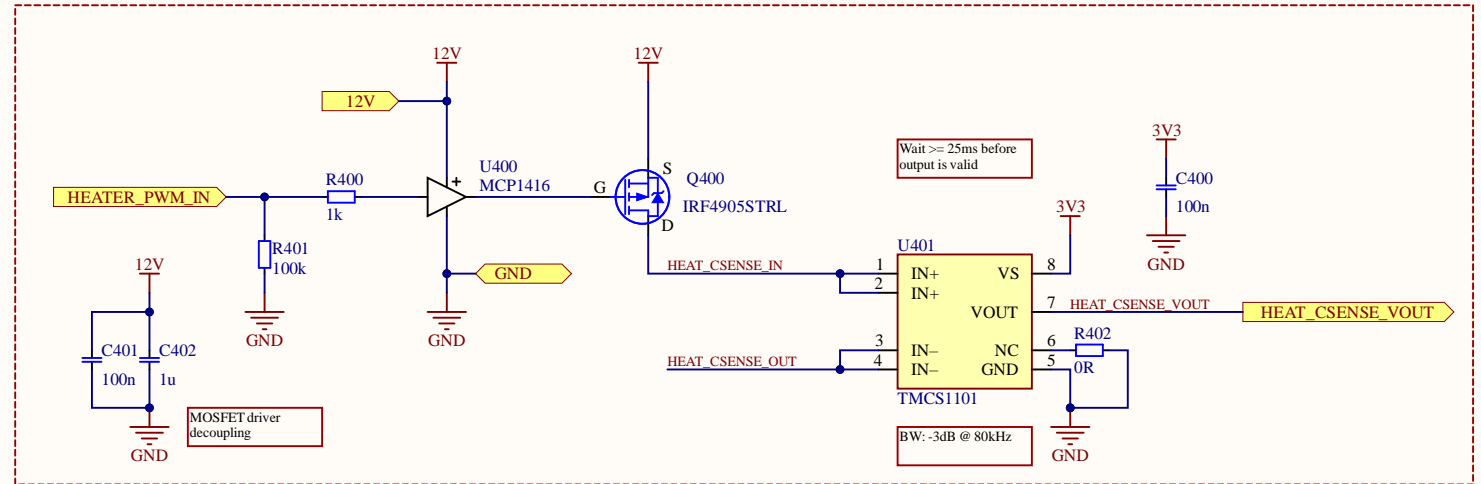


[4] Solder Pen

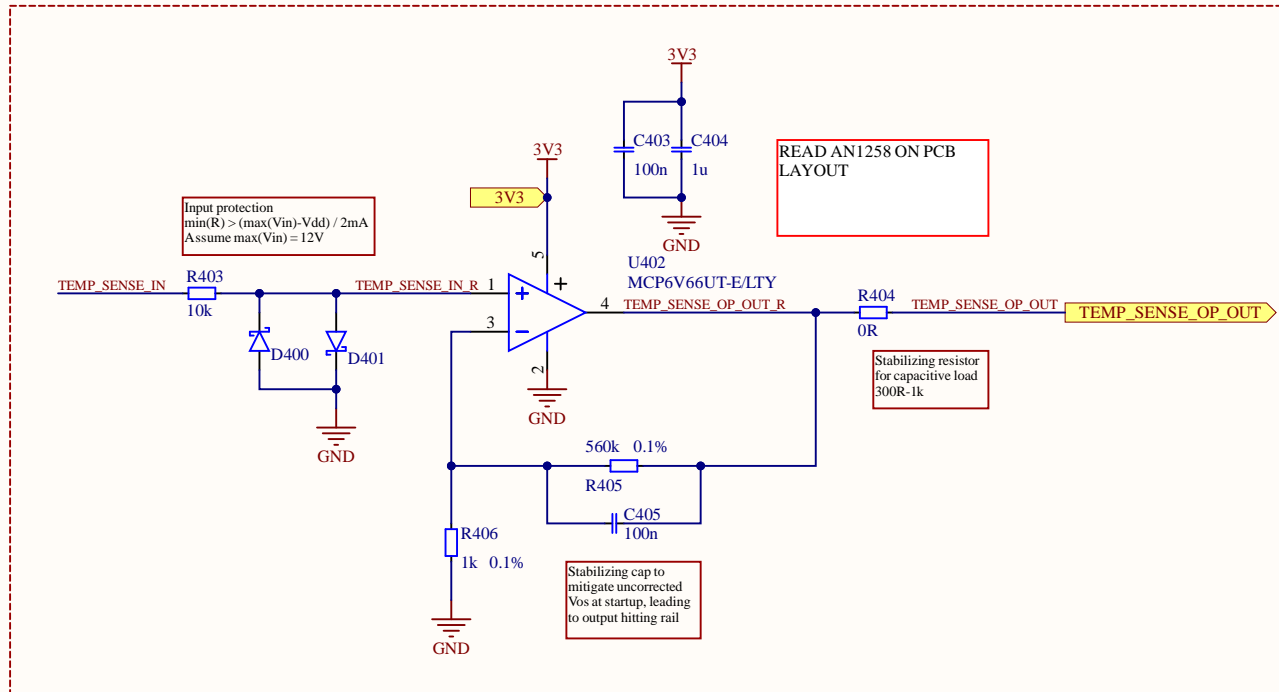
TODO

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

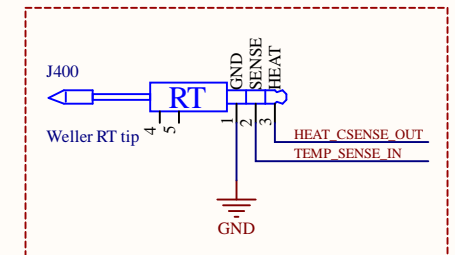
Driver circuit for solder tip, with current sensing



Temp sensor precision amplifier



Solder tip connector



TITLE: Meltdown Project
DOCUMENT: 4_Solder-Pen.SchDoc
REV: 0.1
DATE: 2022-12-16

