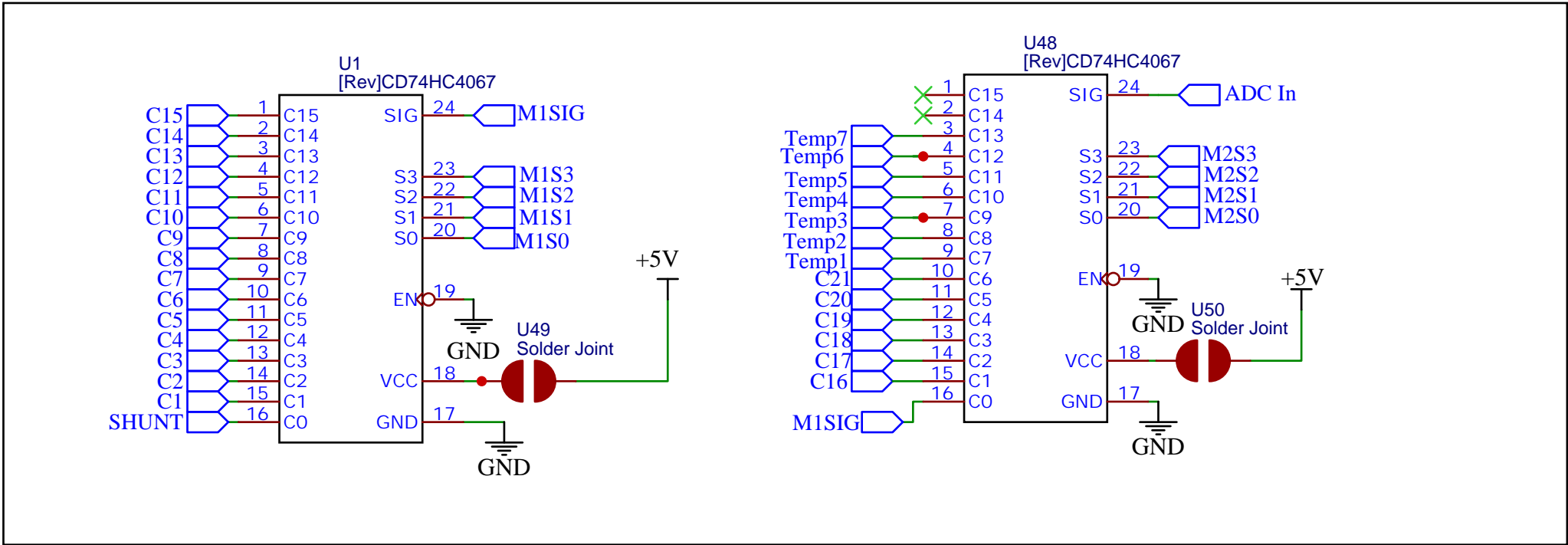
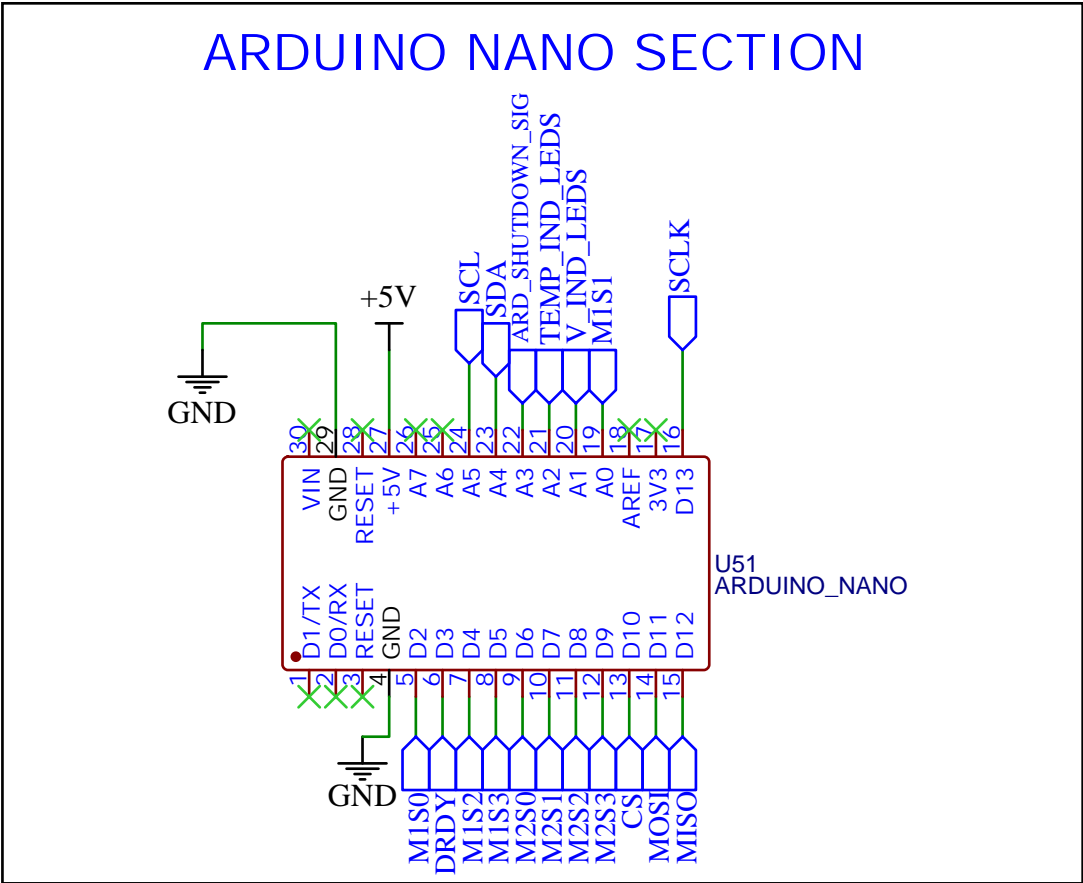


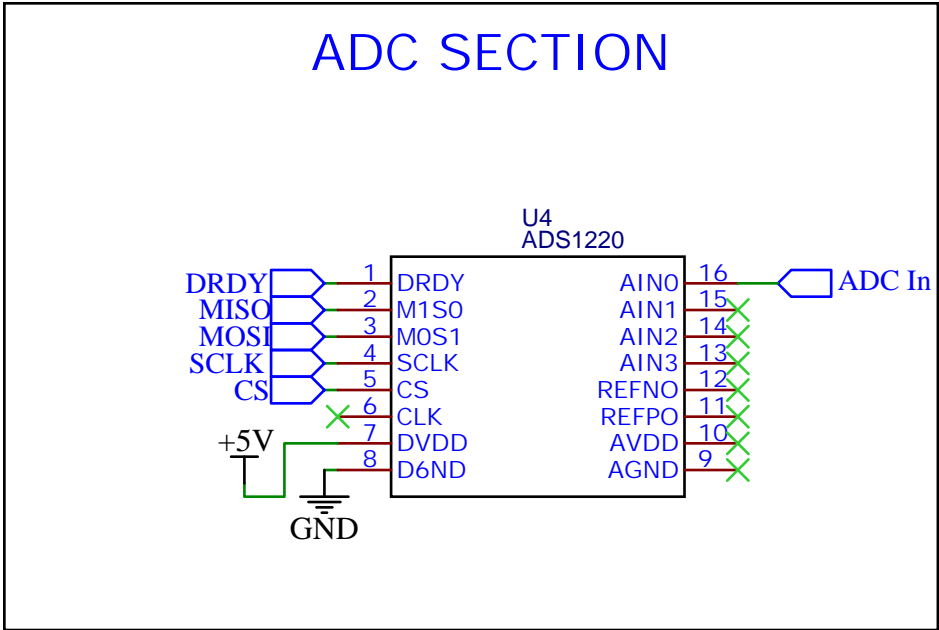
MUX SECTION

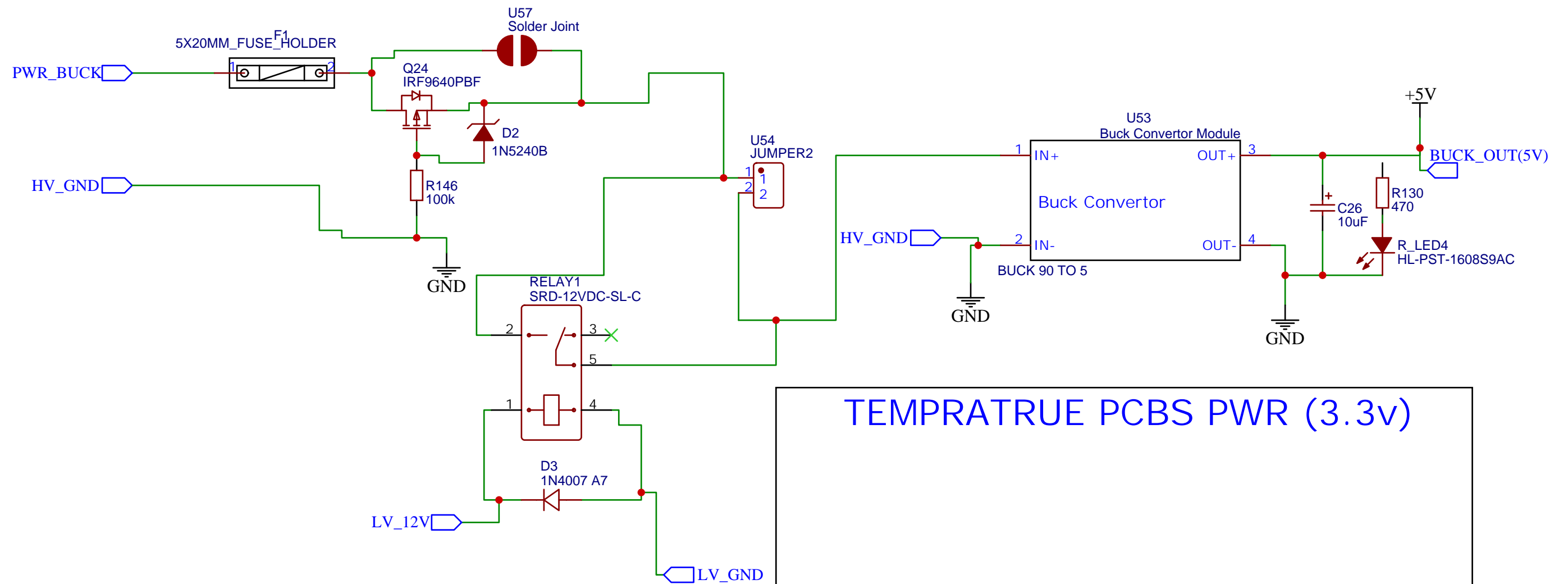


ARDUINO NANO SECTION

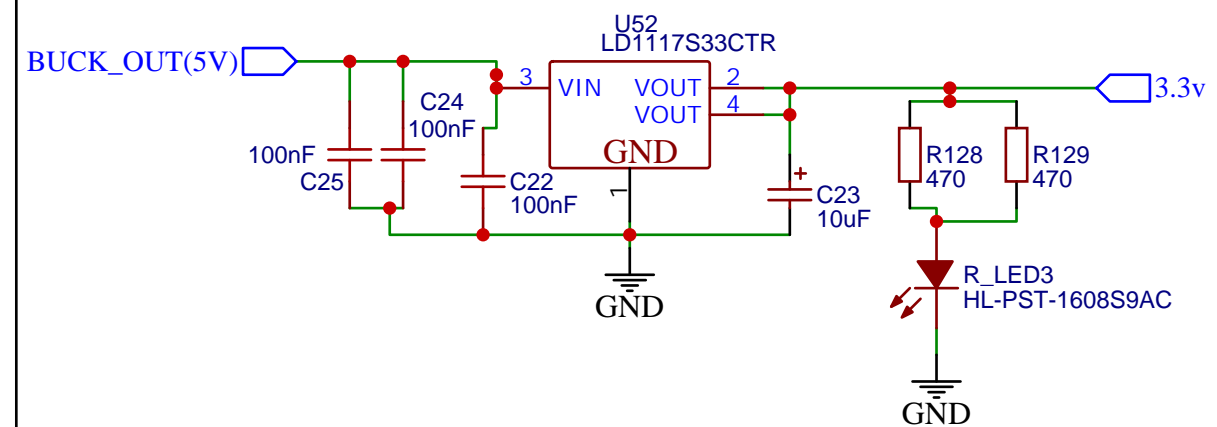


ADC SECTION





TEMPRATRU PCBS PWR (3.3v)

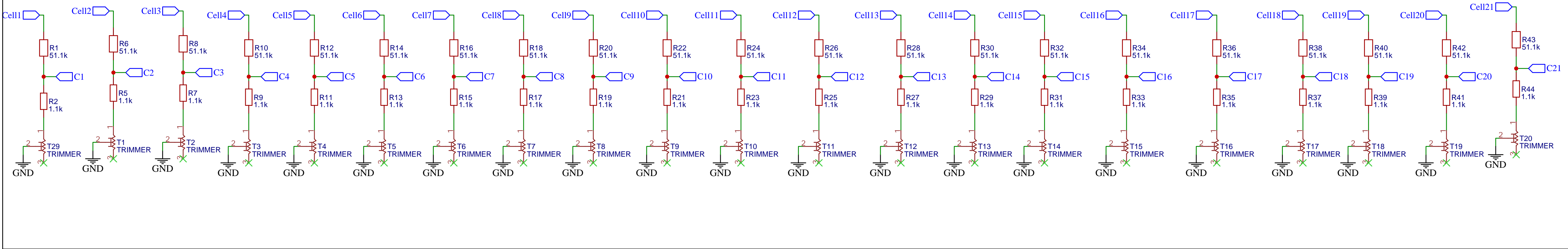


NOTE:

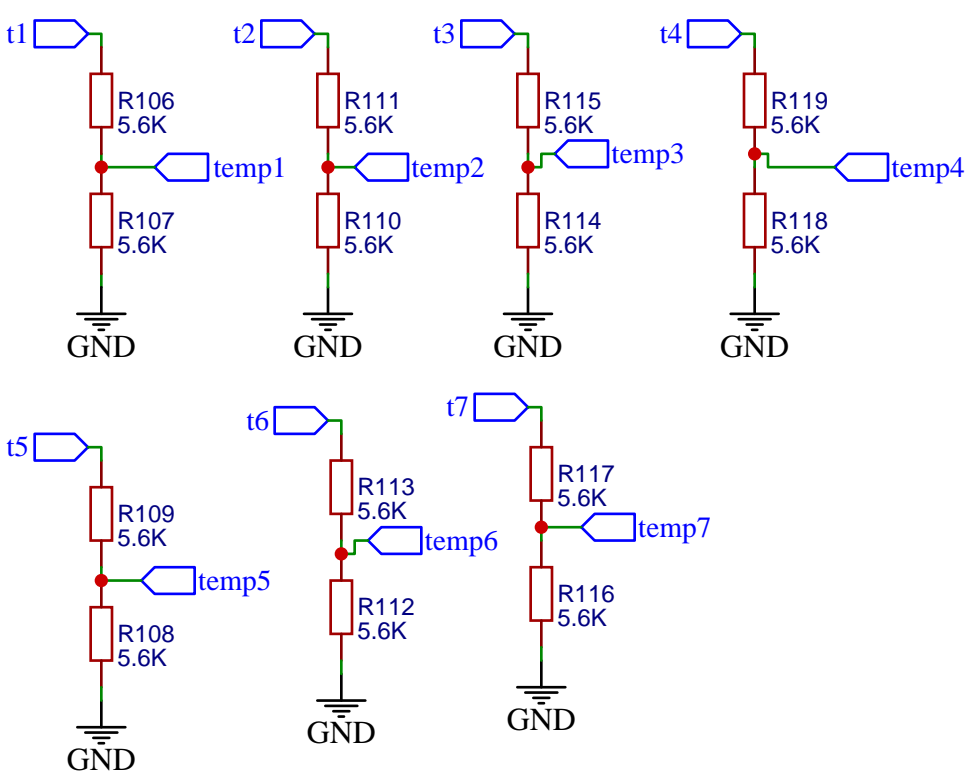
- 1: LV driven relay switch HV to buck input
- 2: fuse rating to be selected
- 3: reverse polarity protection , can be bypassed
- 4: 3.3v used for powering up TEMP PCBs (mux issue)

TITLE: POWER INPUT SECTION		REV: 1.0
嘉立创EDA	Company: FERN (BMS)	Sheet: 1/8
	Date: 2023-01-29	Drawn By: hammad safer

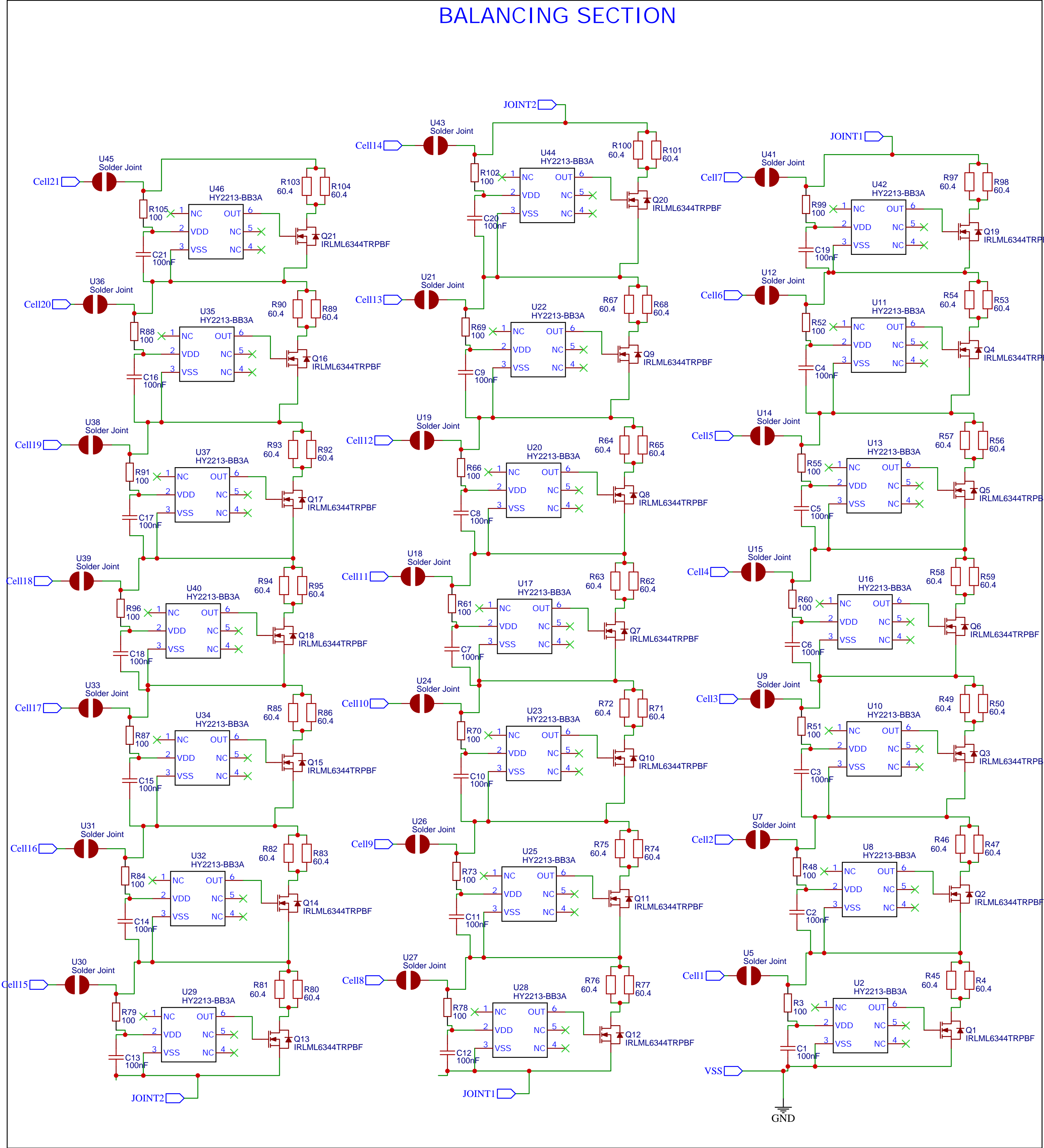
V DIVIDER SECTION



temp v dividers



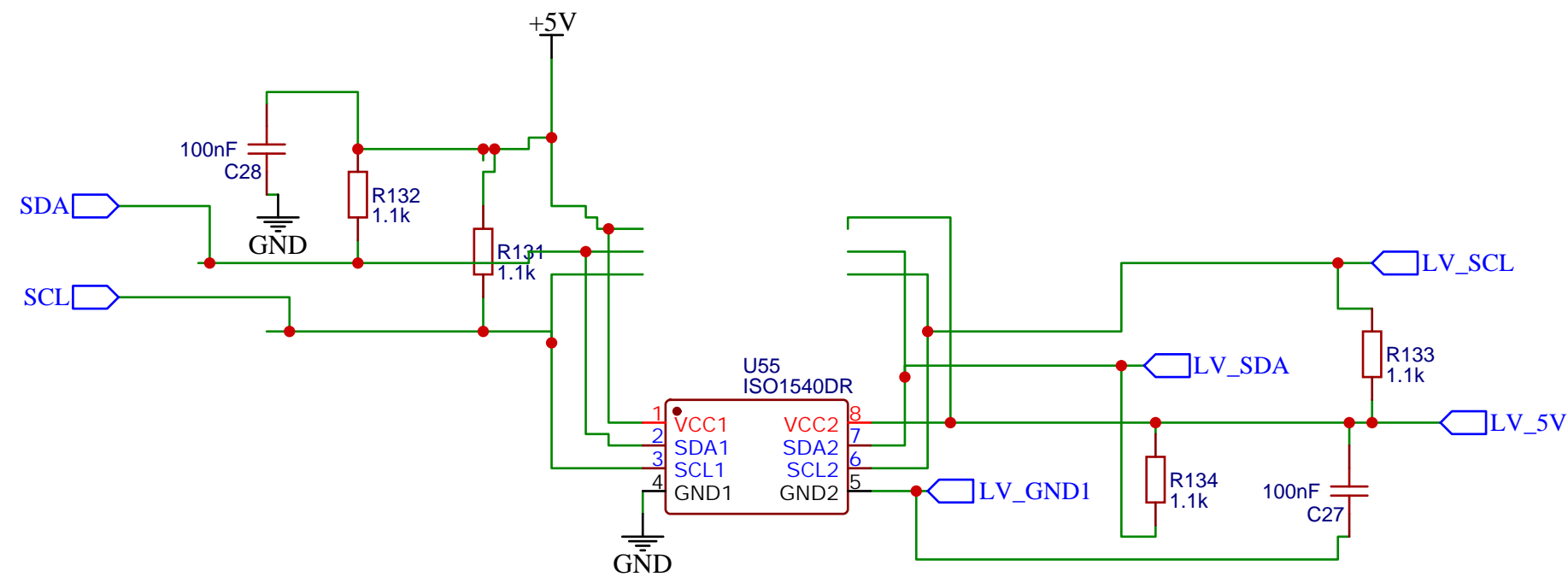
BALANCING SECTION




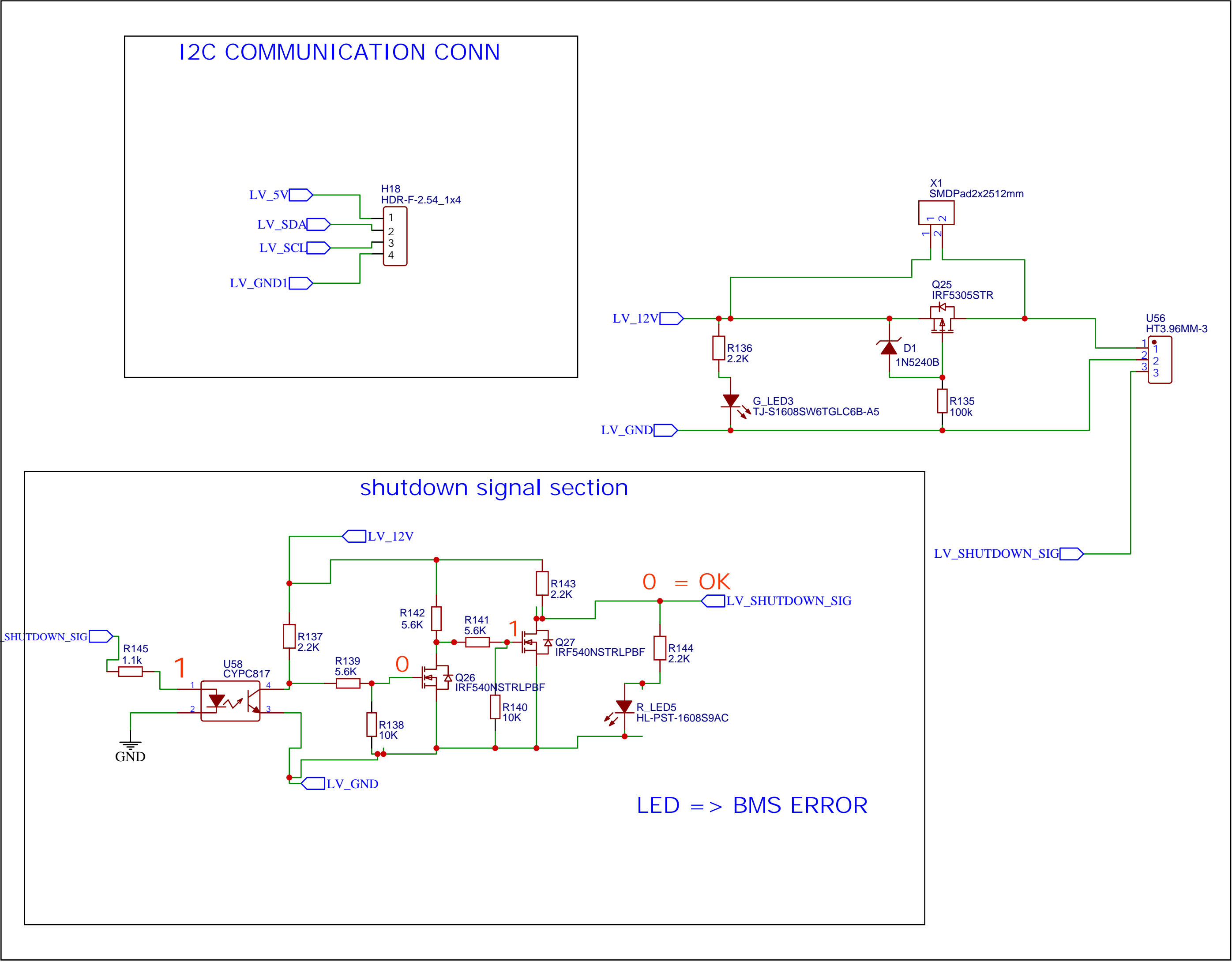
NOTE:


IF CELL VOLTAGE INCREASES ABOVE 4.2
IT WILL START DISCHARGING THROUGH RESISTOR
IC USED HAS INTERNAL REFERENCE FOR COMPARING FOR 4.2.

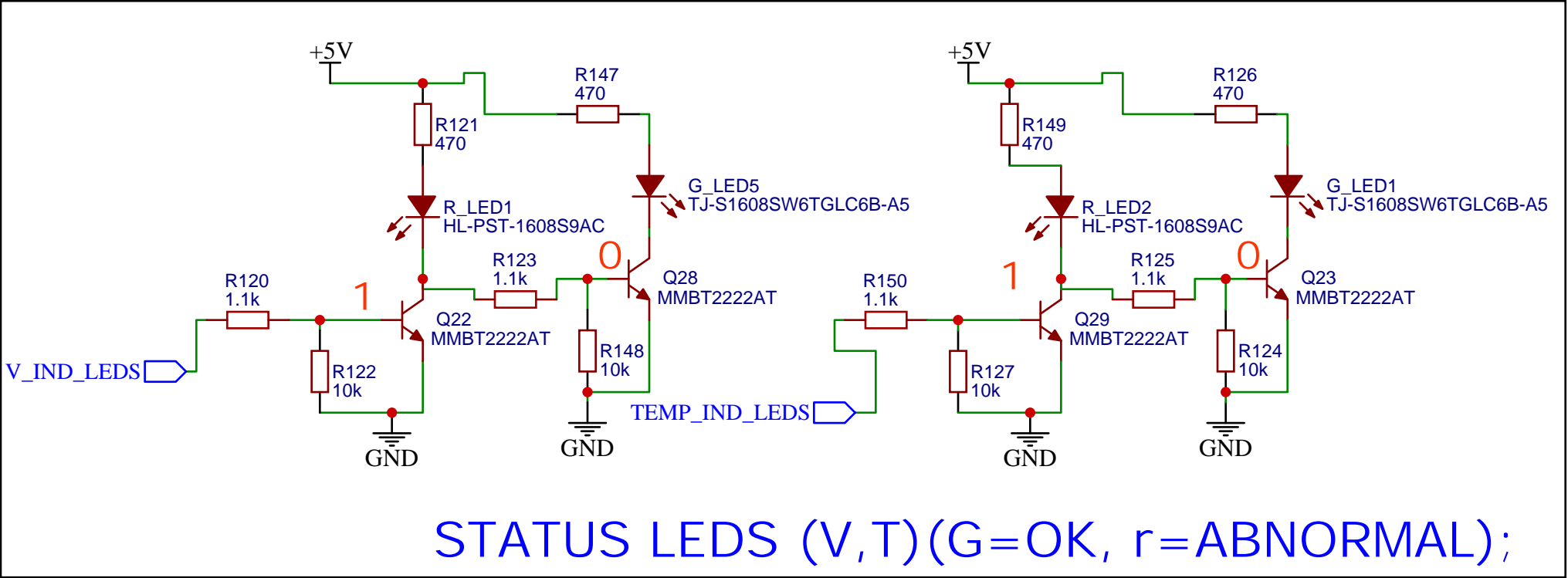
I2C COMMUNICATION SECTION



TITLE: I2C COMMUNICATION SECTION		REV: 1.0
	Company: FERN (BMS)	Sheet: 5/8
	Date: 2023-01-29	Drawn By: hammad safeer



TITLE: LV SECTION		REV: 1.0
	Company: FERN (BMS)	Sheet: 6/8
	Date: 2023-01-29	Drawn By: hammad safeer



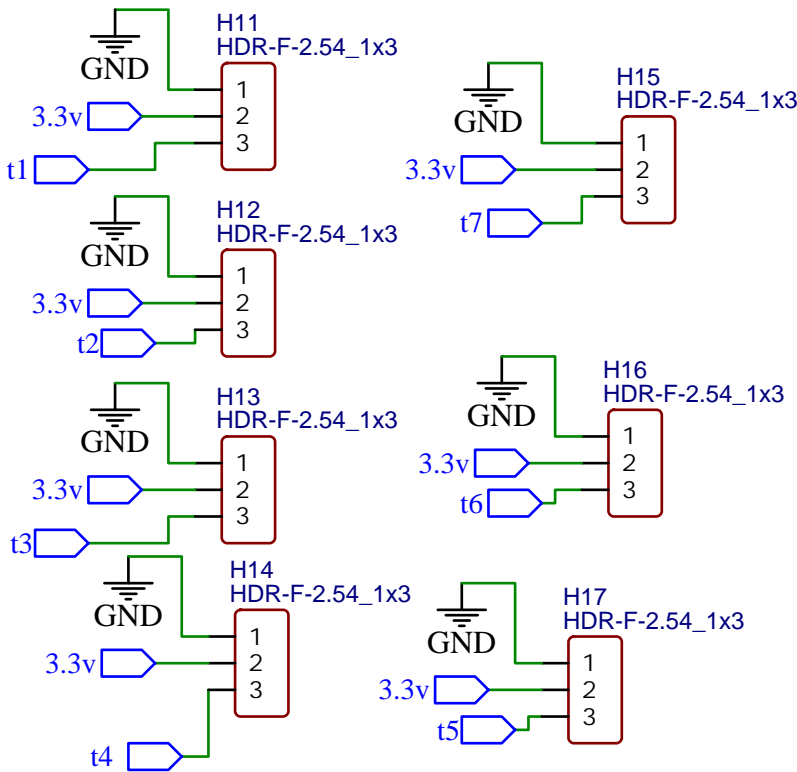
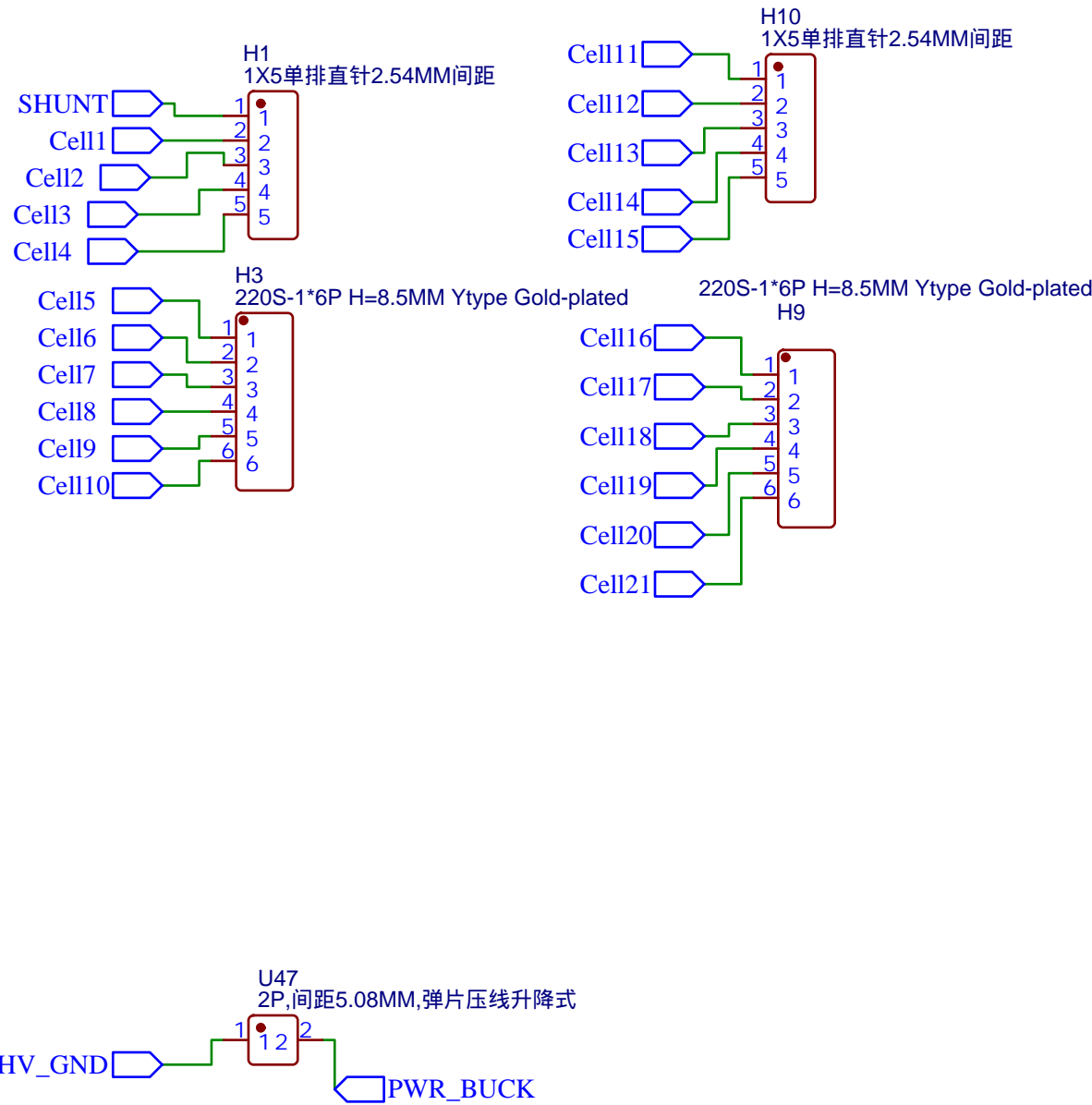
NOTE:

GREEN LEDS WILL LIGHT UP IF TEMPRATURE AND VOLTAGE IS NORMAL (OK STATE)

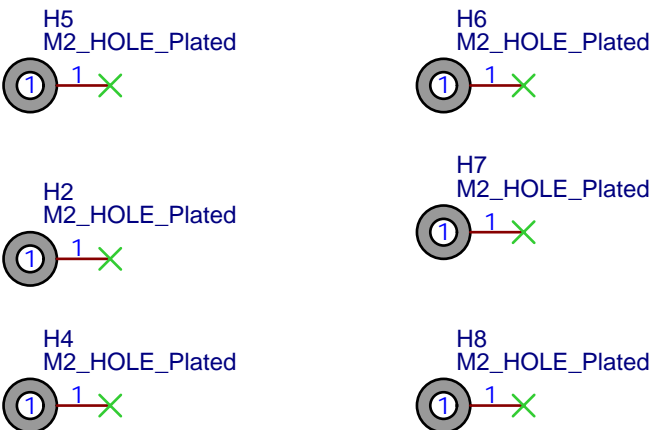
RED LEDS WILL LIGHT UP IF TEMPRATURE AND VOLTAGE ARE EITHER HIGH OR TOO LOW (ERROR STATE)

TITLE: INDICATION LEDS		REV: 1.0
	Company: FERN (BMS)	Sheet: 7/8
	Date: 2023-01-29	Drawn By: hammad safeer

HV CONNECTORS



MOUNTING HOLES



TITLE: CONNECTORS AND MOUNTING HOLES SECTION		REV: 1.0
嘉立创EDA	Company: FERN	Sheet: 8/8
	Date: 2023-01-29	Drawn By: hammad safeer

