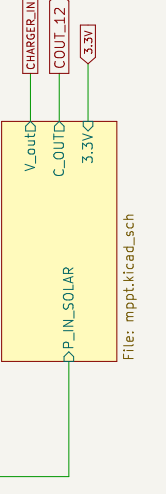
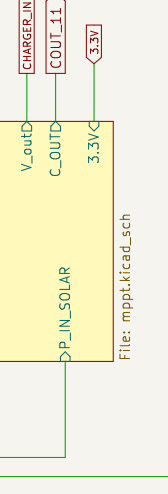
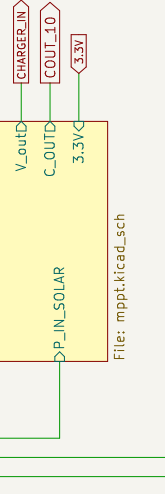
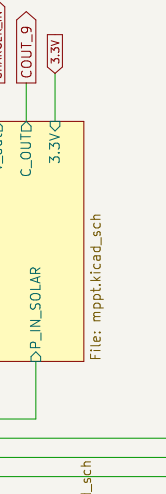
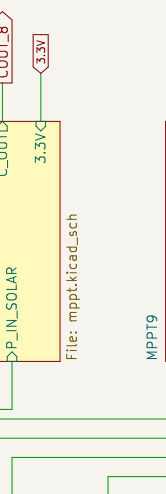
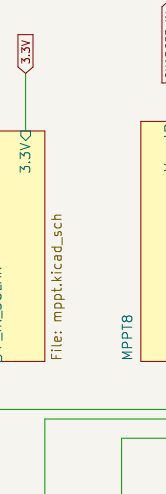
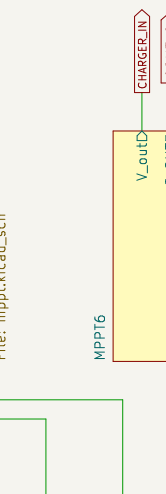
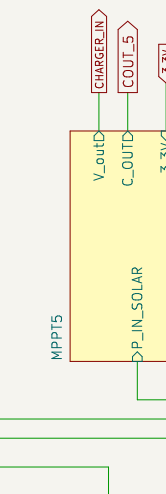
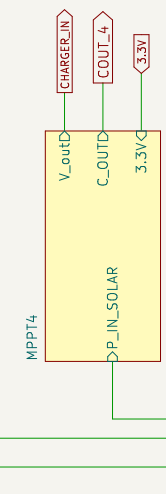
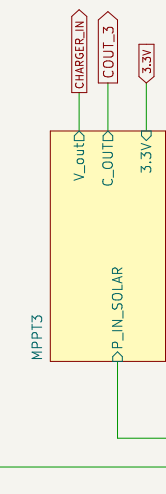
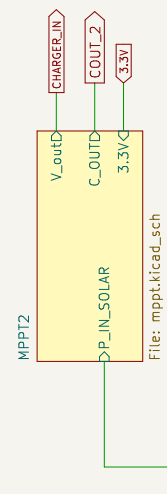
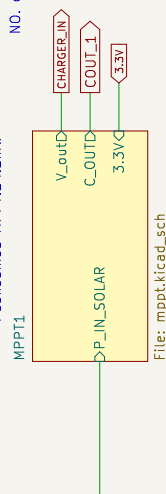
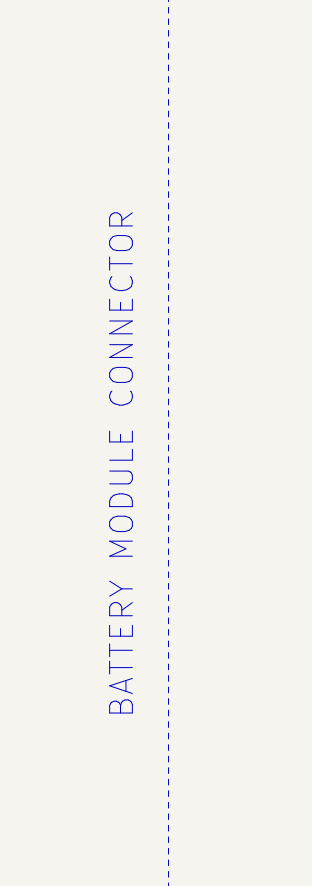
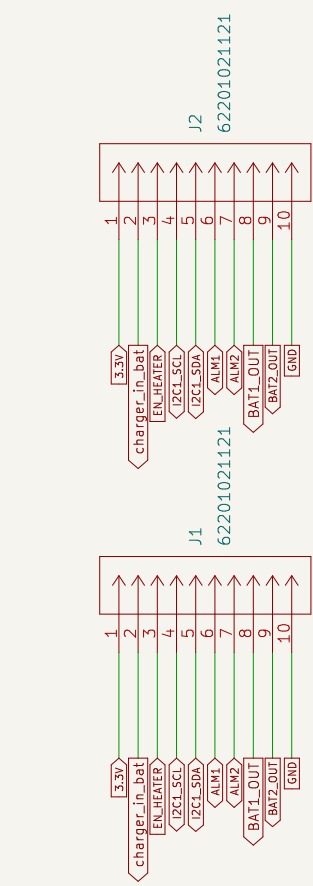
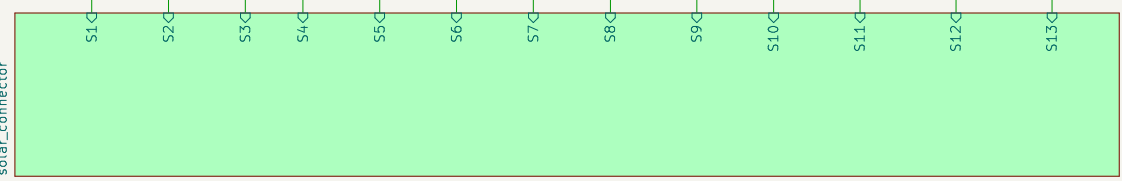


Vout : 5V  
Pout:1.5909W  
Consumed MPPT:14.1mW

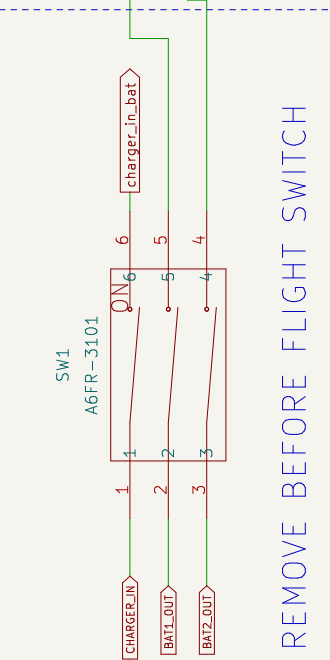
NO. of solar cells=96



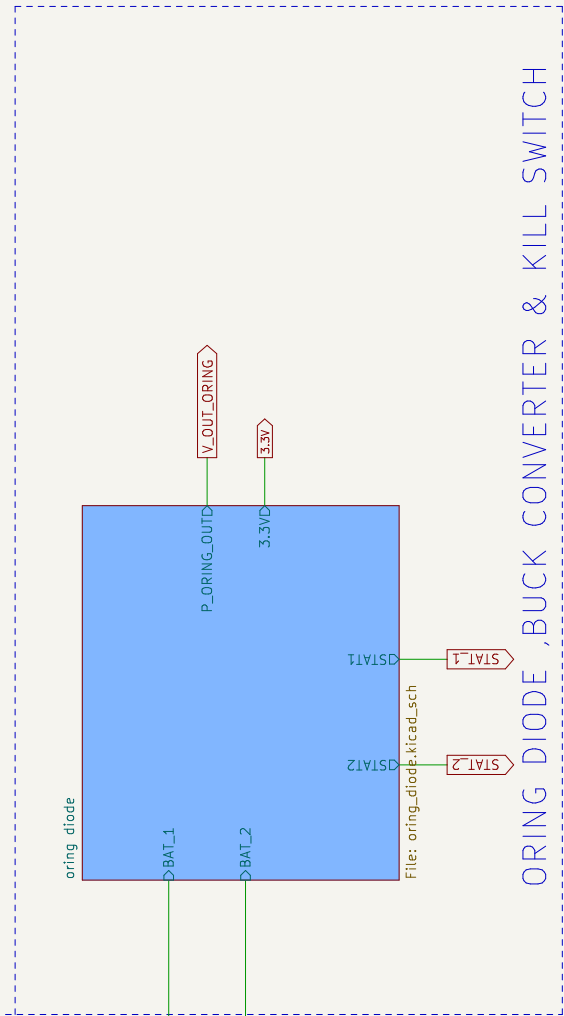
I<sub>max</sub> solar =0.315amp  
V<sub>max</sub> solar = 4.460V  
Solar cell power output : 1.405 watts



## BATTERY MODULE CONNECTOR

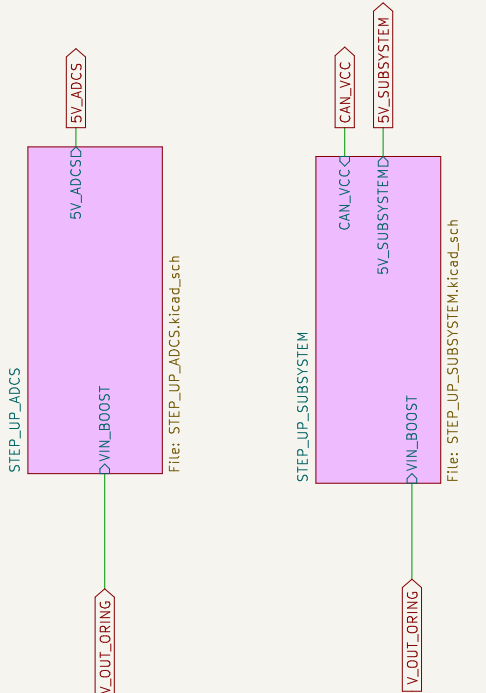


REMOVE BEFORE FLIGHT SWITCH

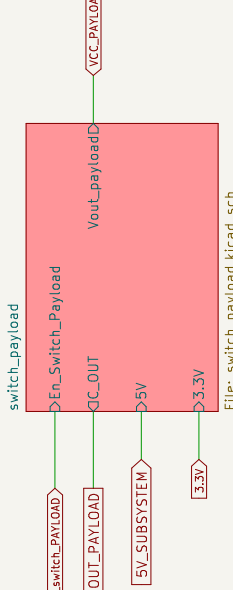
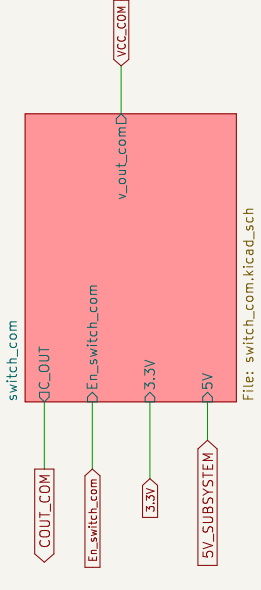
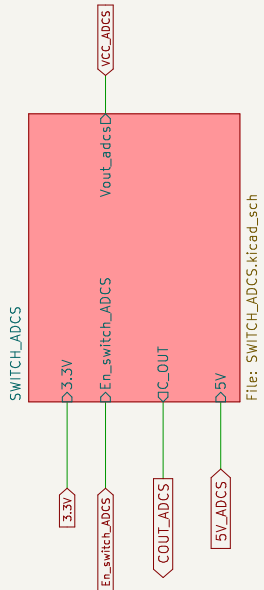


## ORING DIODE BUCK CONVERTER & KILL SWITCH

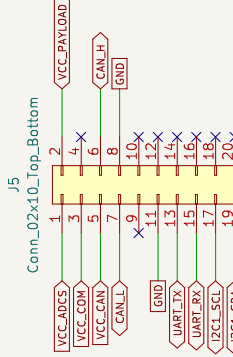
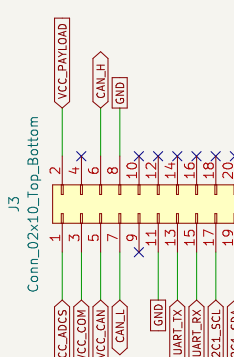
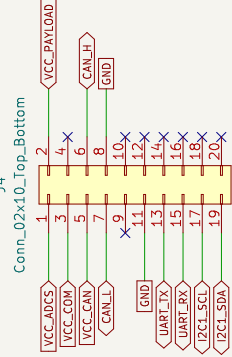
## BOOST CONVERTER



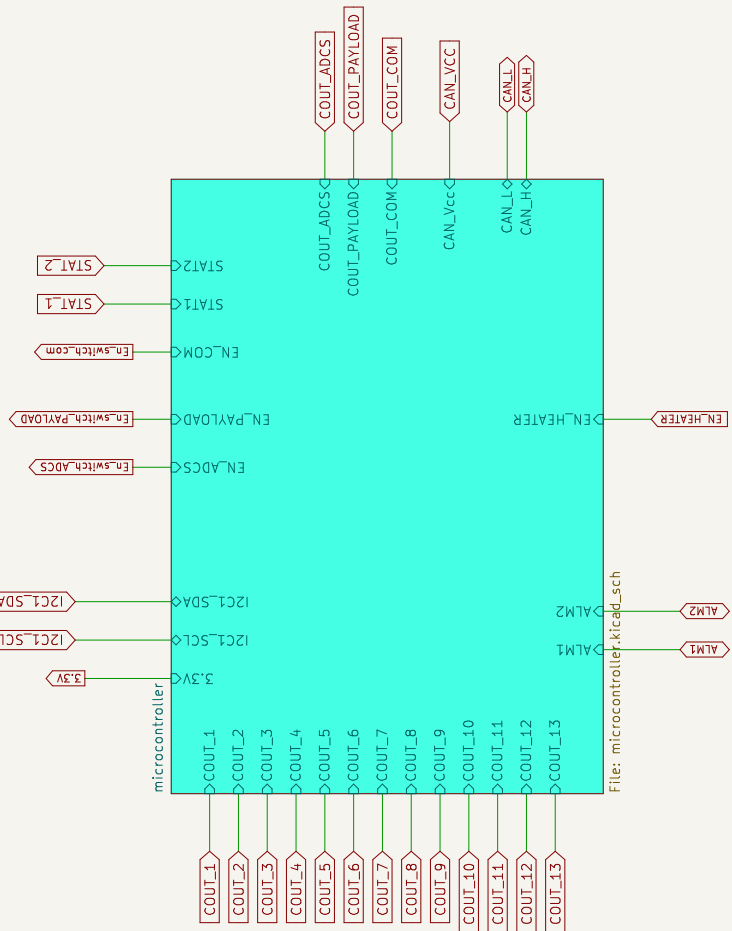
## STEP\_UP\_SUBSYSTEM



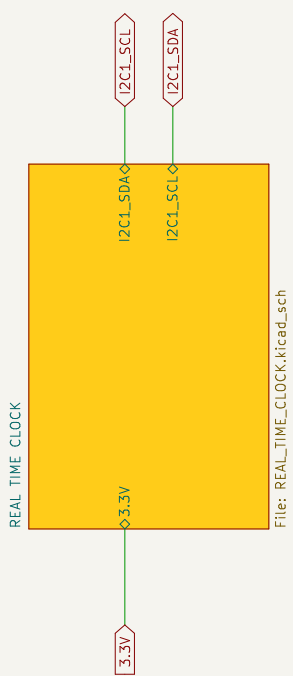
## SUBSYSTEM SWITCHES



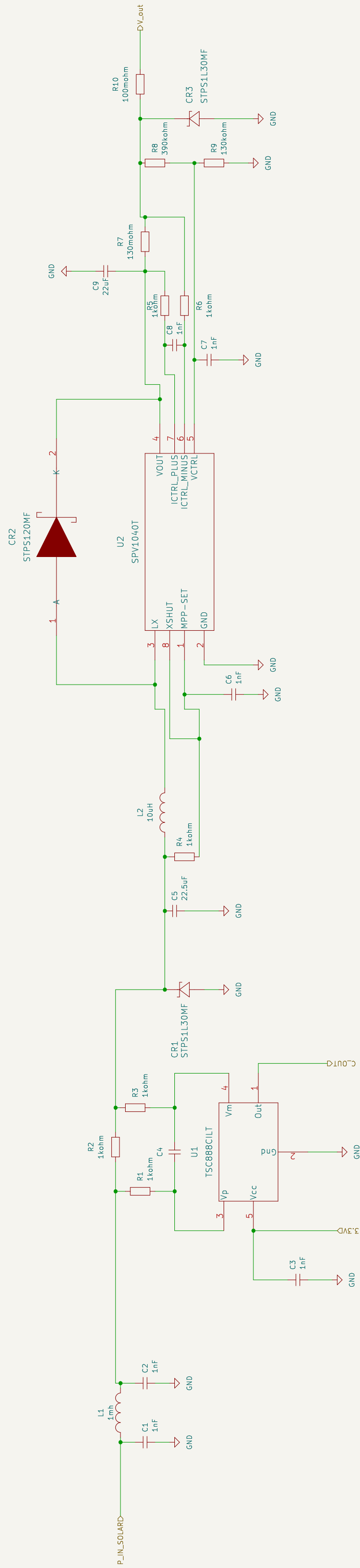
## SUBSYSTEM CONNECTORS



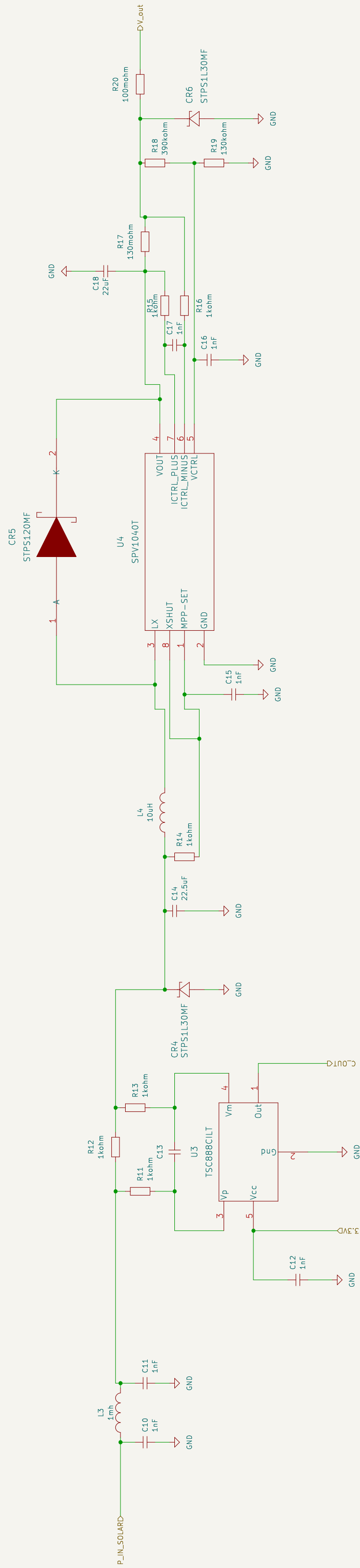
## MICRO CONTROLLER & ITS PERIPHERALS



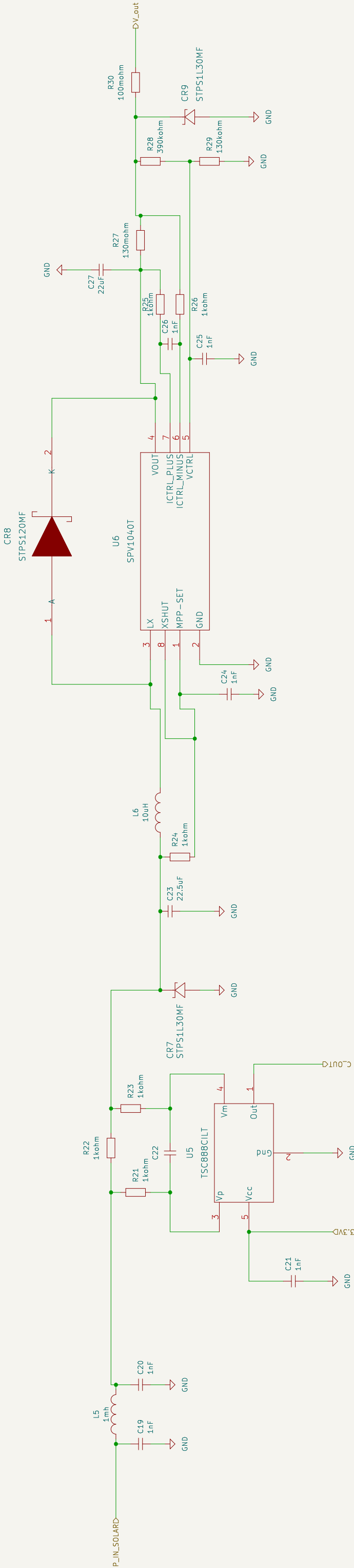
## CURRENT SENSOR & MPPT



## CURRENT SENSOR & MPPT

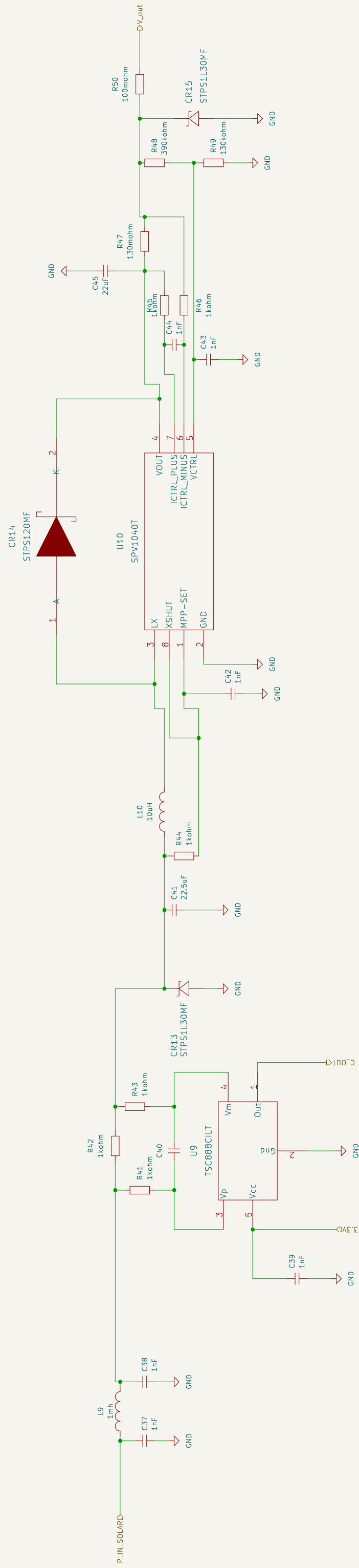


CURRENT SENSOR & MPPT

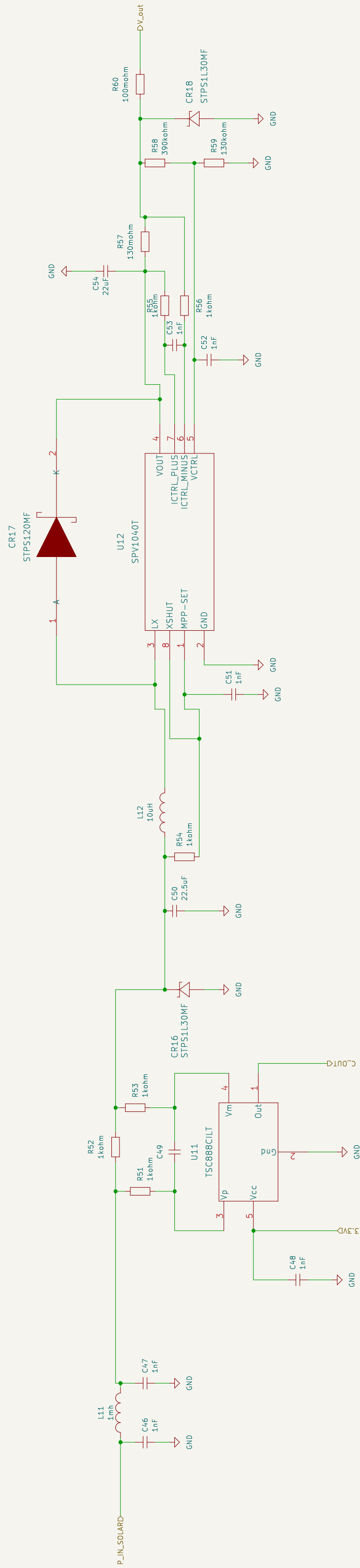




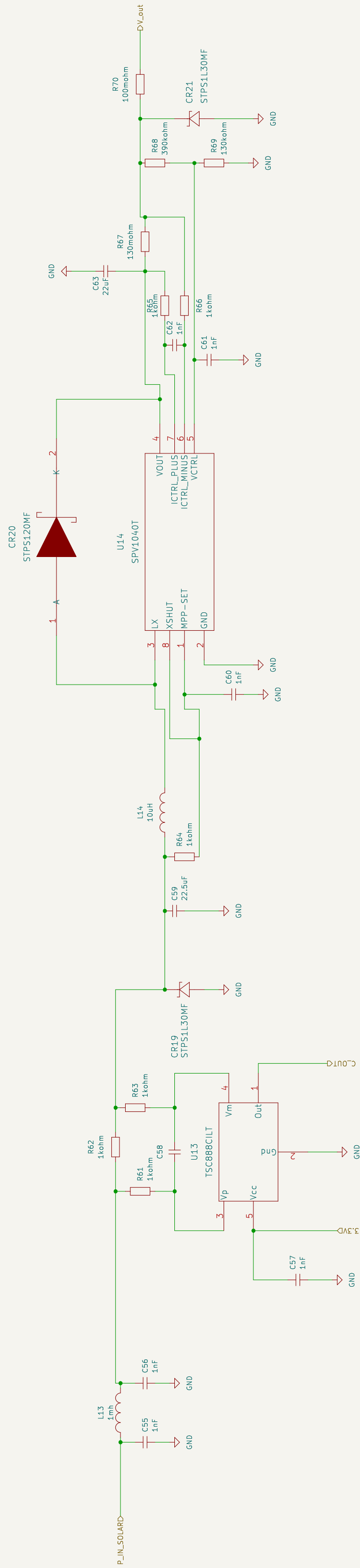
## CURRENT SENSOR & MPPT



## CURRENT SENSOR & MPPT

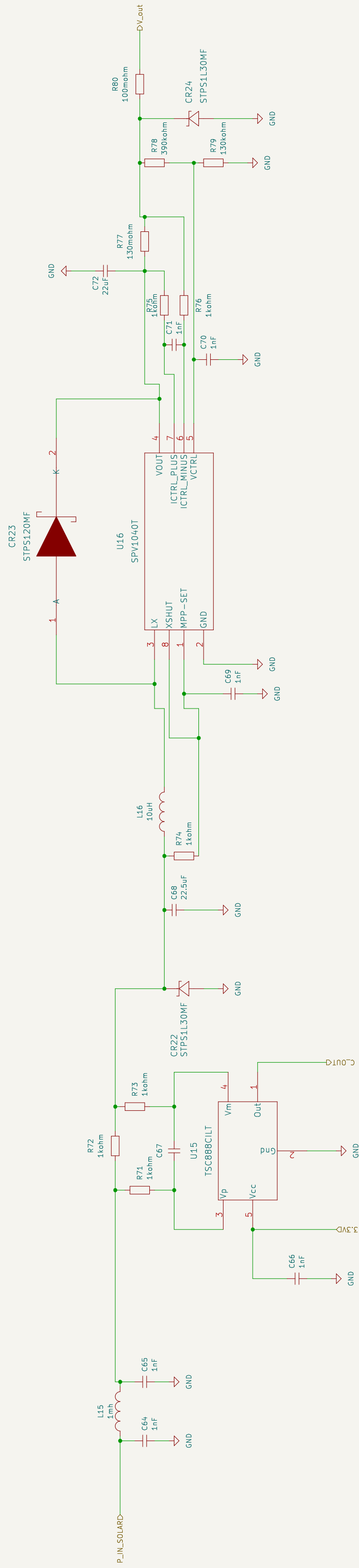


## CURRENT SENSOR & MPPT

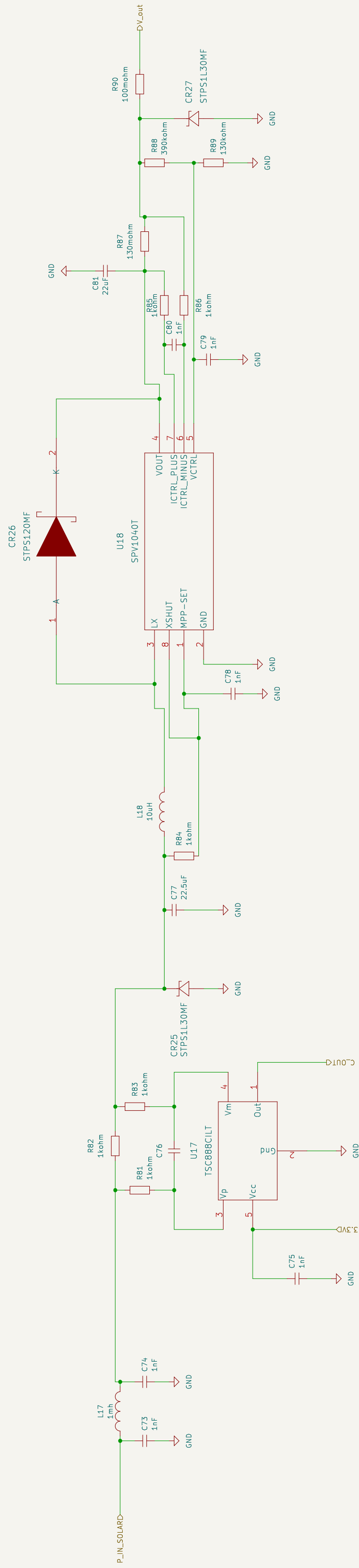




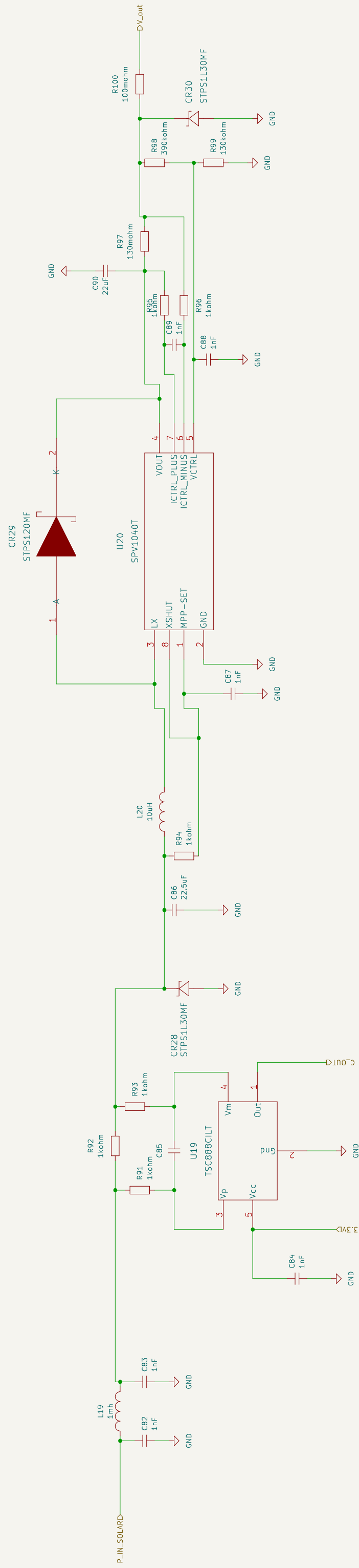
## CURRENT SENSOR & MPPT



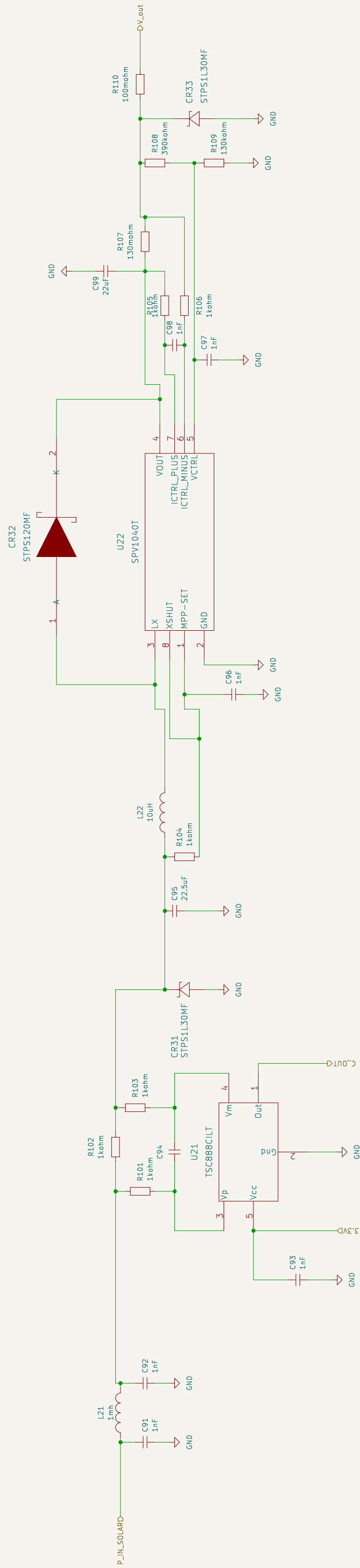
## CURRENT SENSOR & MPPT



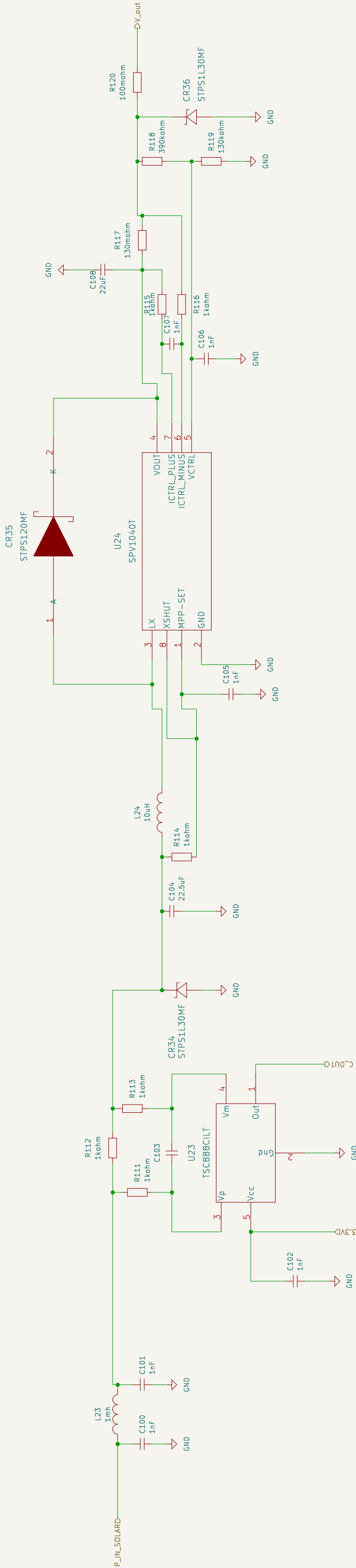
## CURRENT SENSOR & MPPT



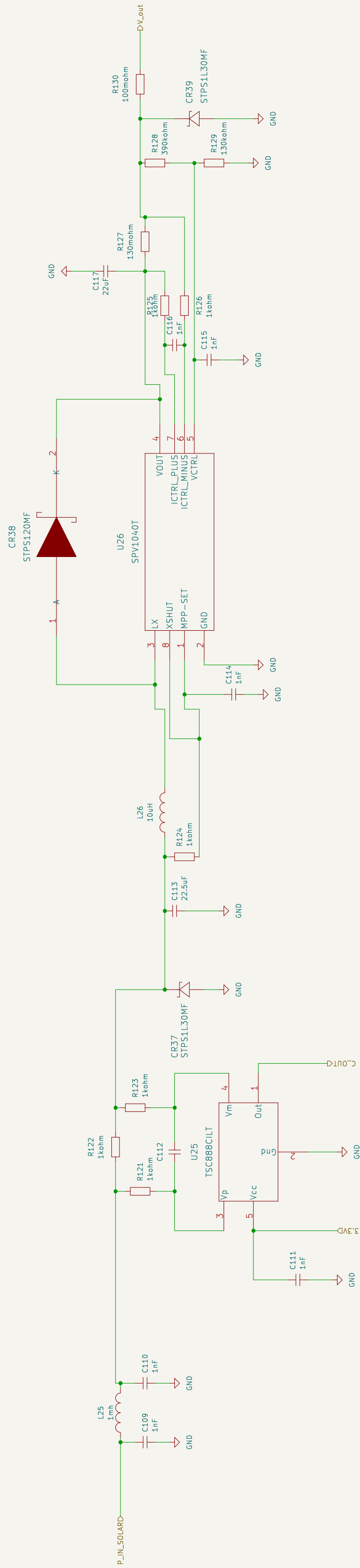
## CURRENT SENSOR & MPPT



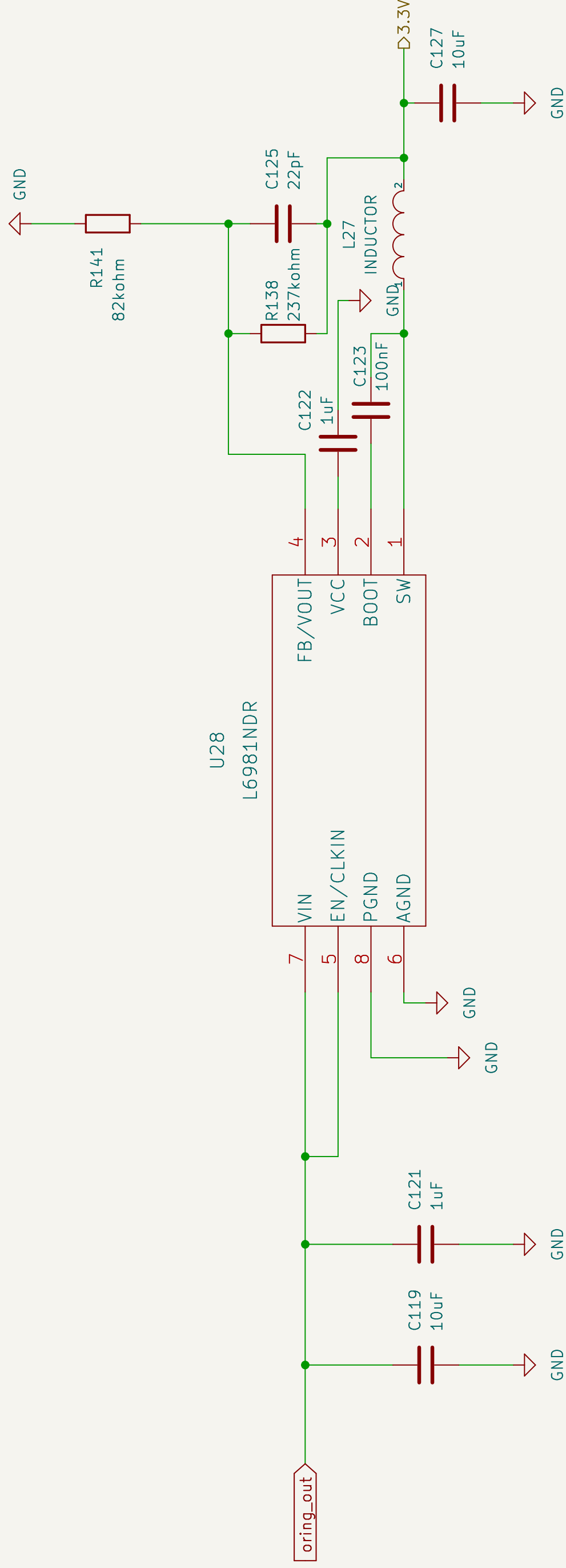
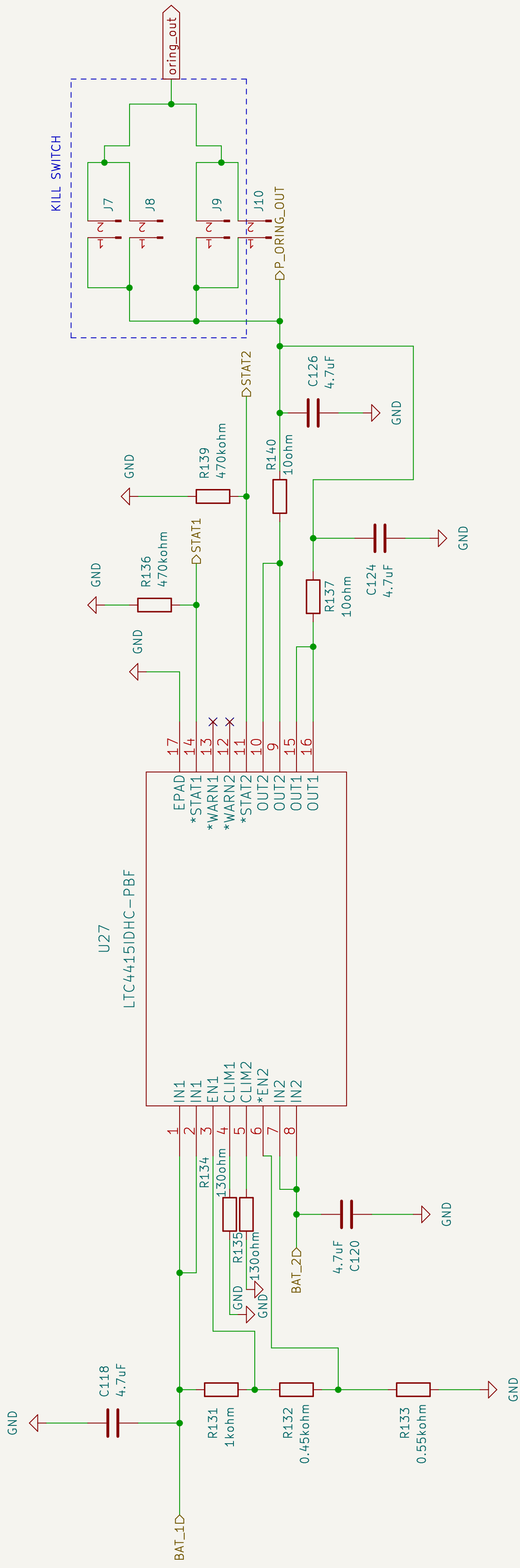
CURRENT SENSOR & MPPT



## CURRENT SENSOR & MPPT







# ORING DIODE & BUCK CONVERTER(3.3V)

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File: oring\_diode.kicad\_sch

**Title:**

Size: A4	Date:
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KiCad E.D.A. kicad (6.0.11)

Rev:

Id: 18/23















