

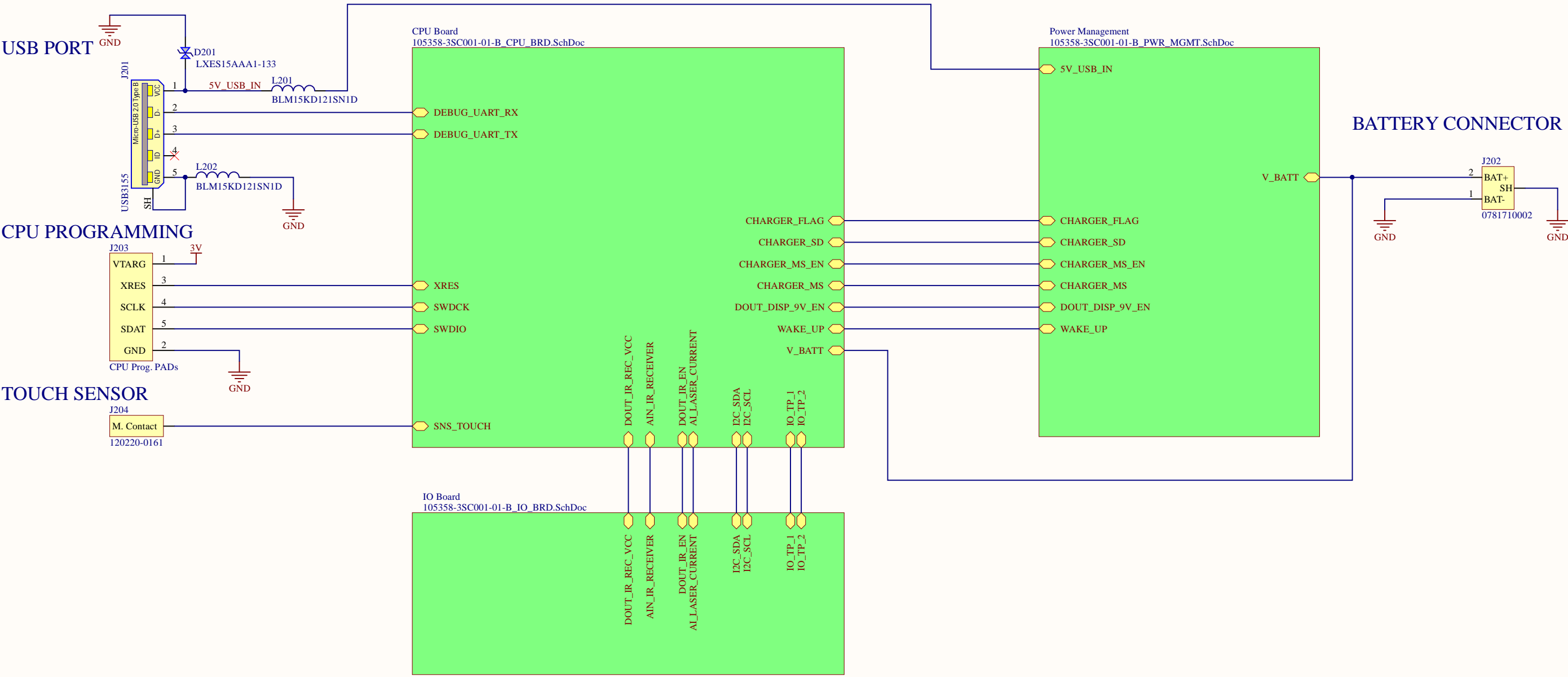
# Electronics Functional Model 1 - Mini

## Schematic version 105358-3SC001-01-B

Block diagram  
105358-3SC001-01-B\_BlockDiagram.SchDoc

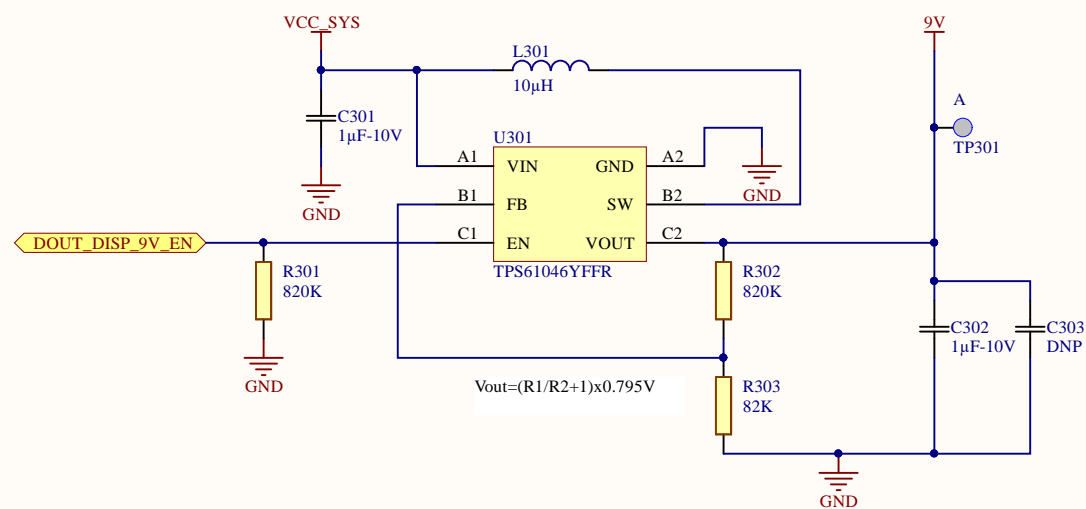
2	Block Diagram
3	Power Management
4	CPU
5	IR Barrier

# Block Diagram

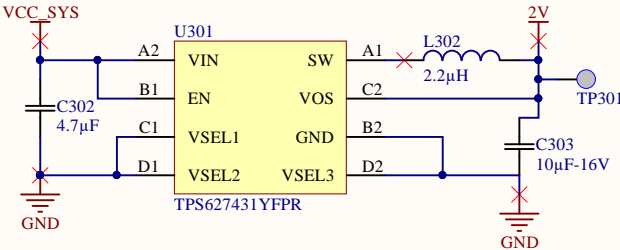


# Power Management

BOOST CONVERTER

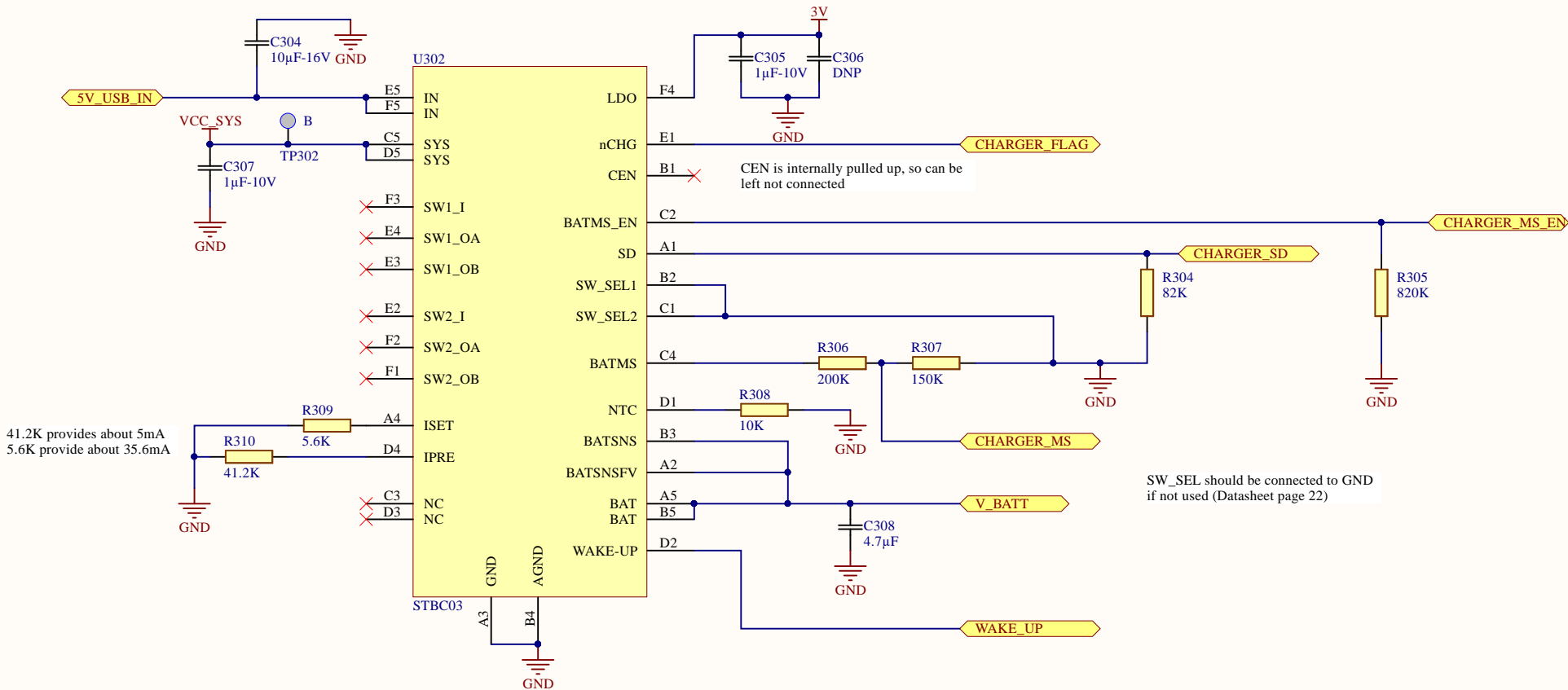


BUCK CONVERTER



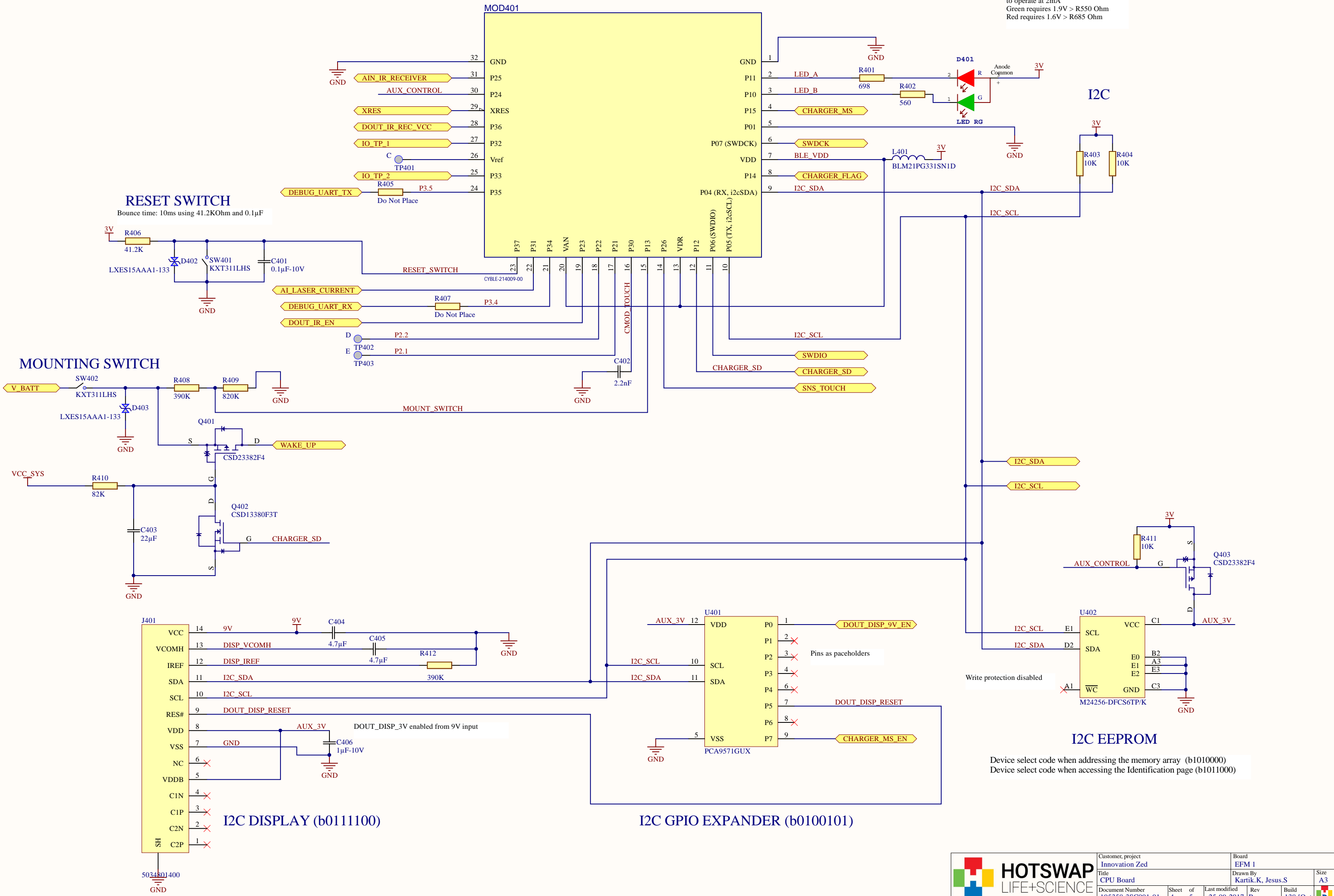
Note: Removed from Layout  
Components made Graphical

BATTERY CHARGER



# CPU

to operate at 2mA  
Green requires 1.9V > R550 Ohm  
Red requires 1.6V > R685 Ohm



# IR Barrier

## LIGHT BARRIER

