

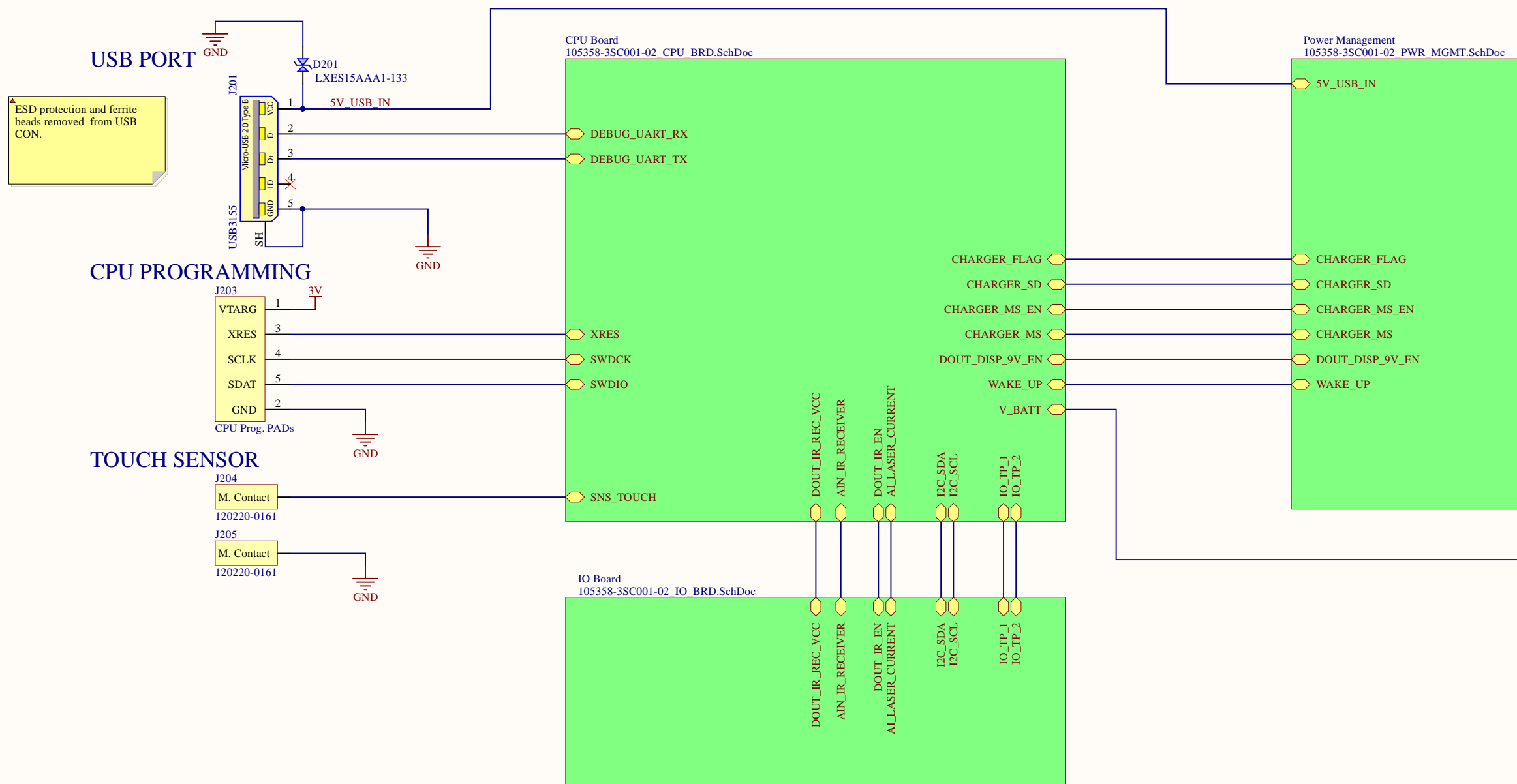
Electronics Functional Model 1.5 - Mini

Schematic version 105358-3SC001-02-A

Block diagram
105358-3SC001-02_BlockDiagram.SchDoc

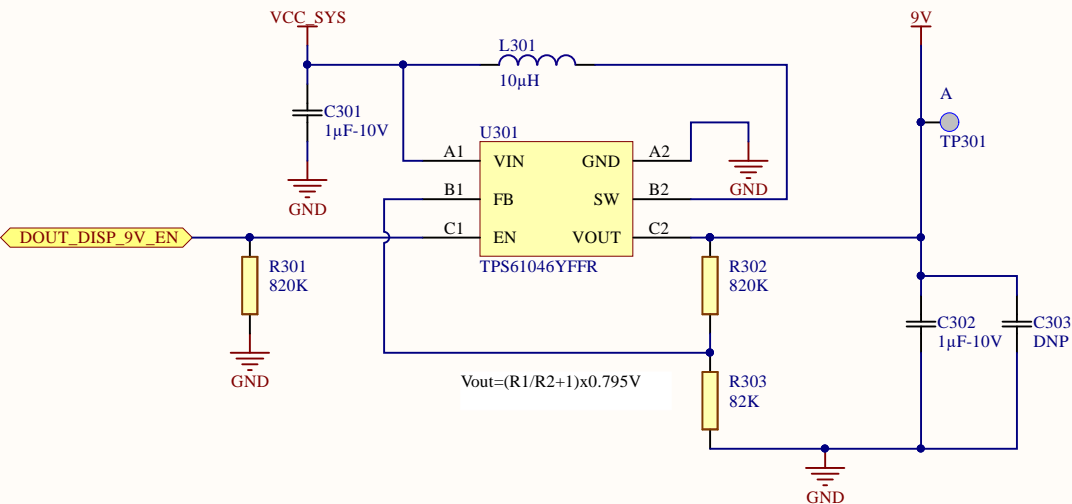
- 2 Block Diagram
- 3 Power Management
- 4 CPU
- 5 IR Barrier

Block Diagram

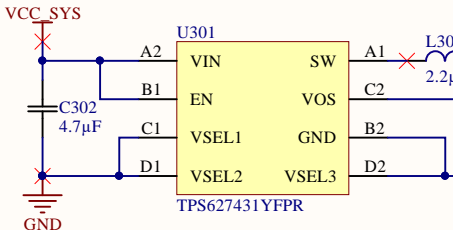


Power Management

BOOST CONVERTER

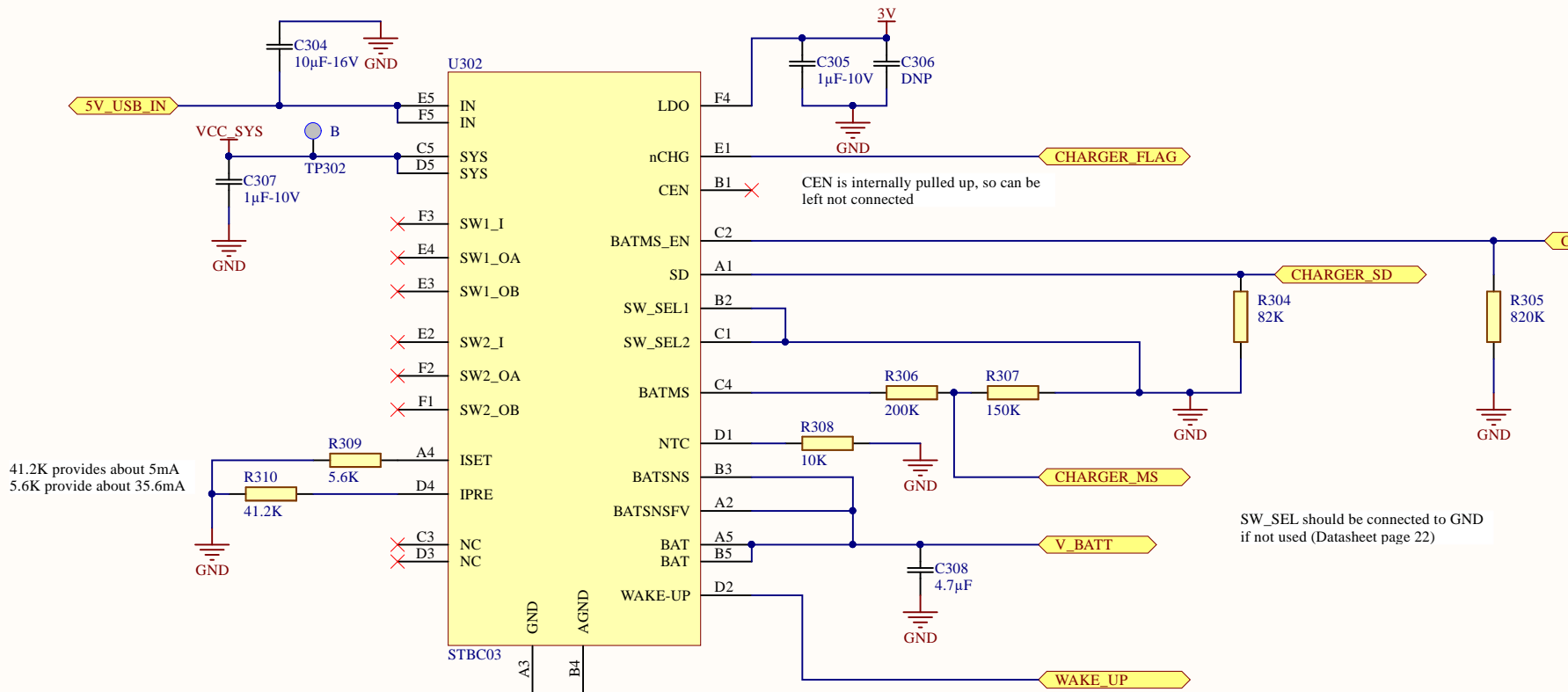


BUCK CONVERTER



Note: Removed from Layout
Components made Graphical

BATTERY CHARGER



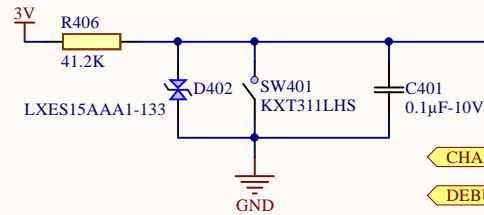
CPU

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

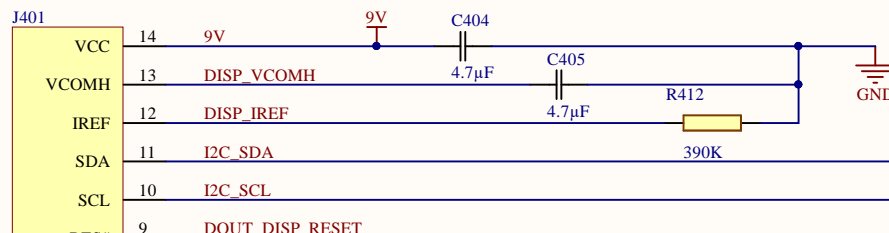
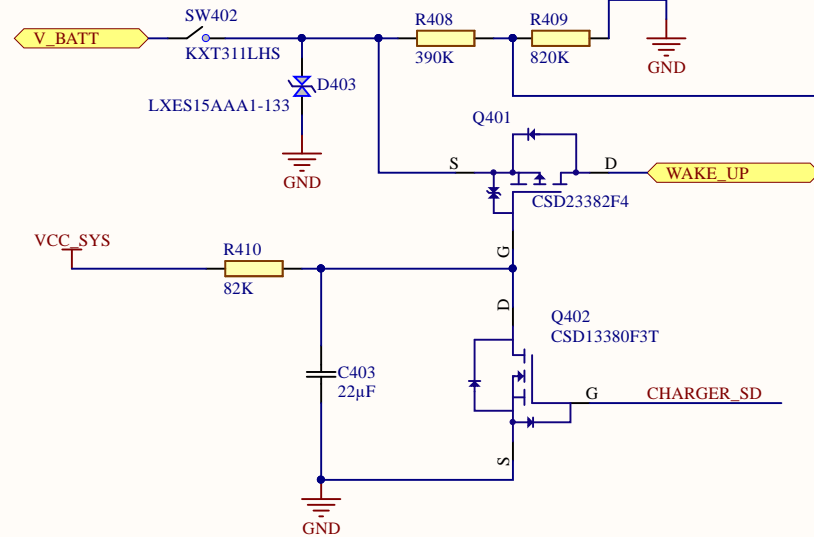
▲ GPIOs from expander moved to Module

RESET SWITCH

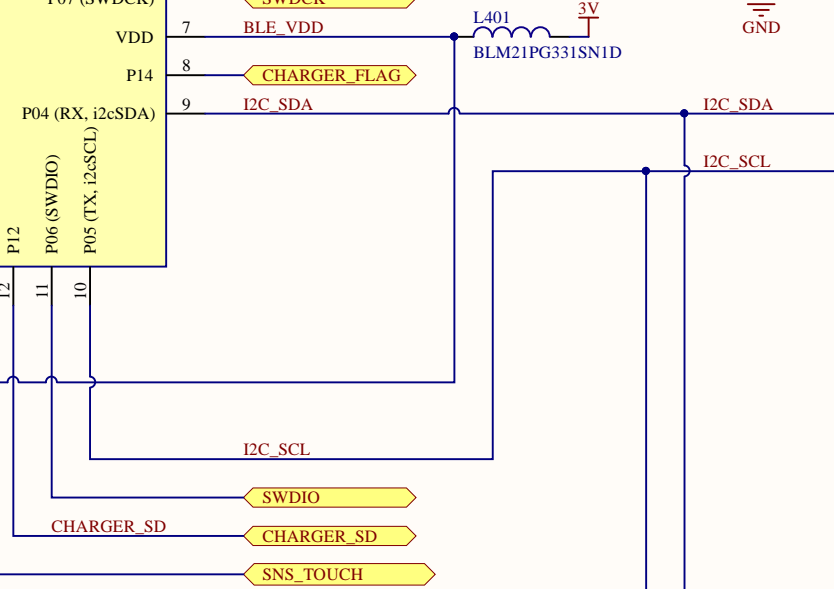
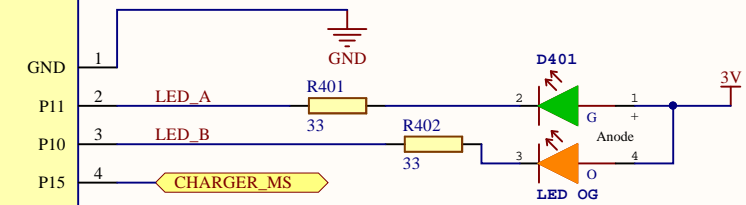
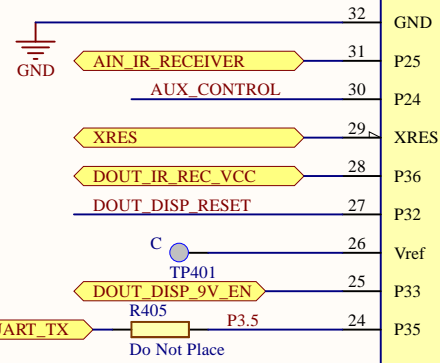
Bounce time: 10ms using 41.2KOhm and 0.1μF



MOUNTING SWITCH



MOD401



Write protection disabled

▲ Removed expander and GND-ed the WP pin on NVM

IR Barrier

LIGHT BARRIER

