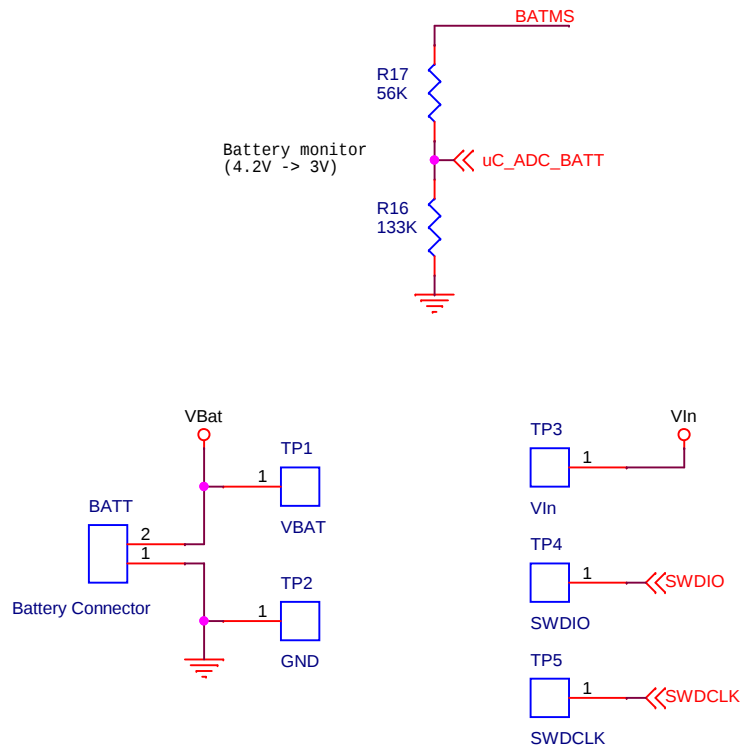
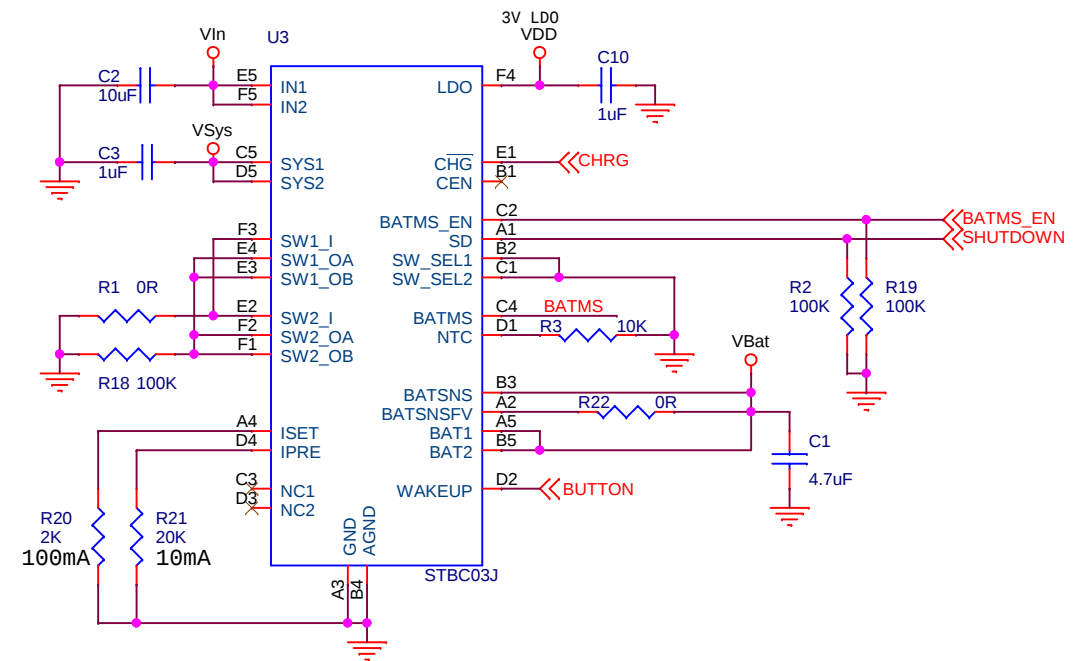


VBat --> I/O
 VDD --> Output (regulated)
 Vin --> Input (Main Supply)
 VSys --> Output (unregulated)

Power / charger



$$V_i = 1V$$

$$I_{chg} = (V_i / R) \times 200$$

$$R = 200 * V_i / I_{chg}$$

