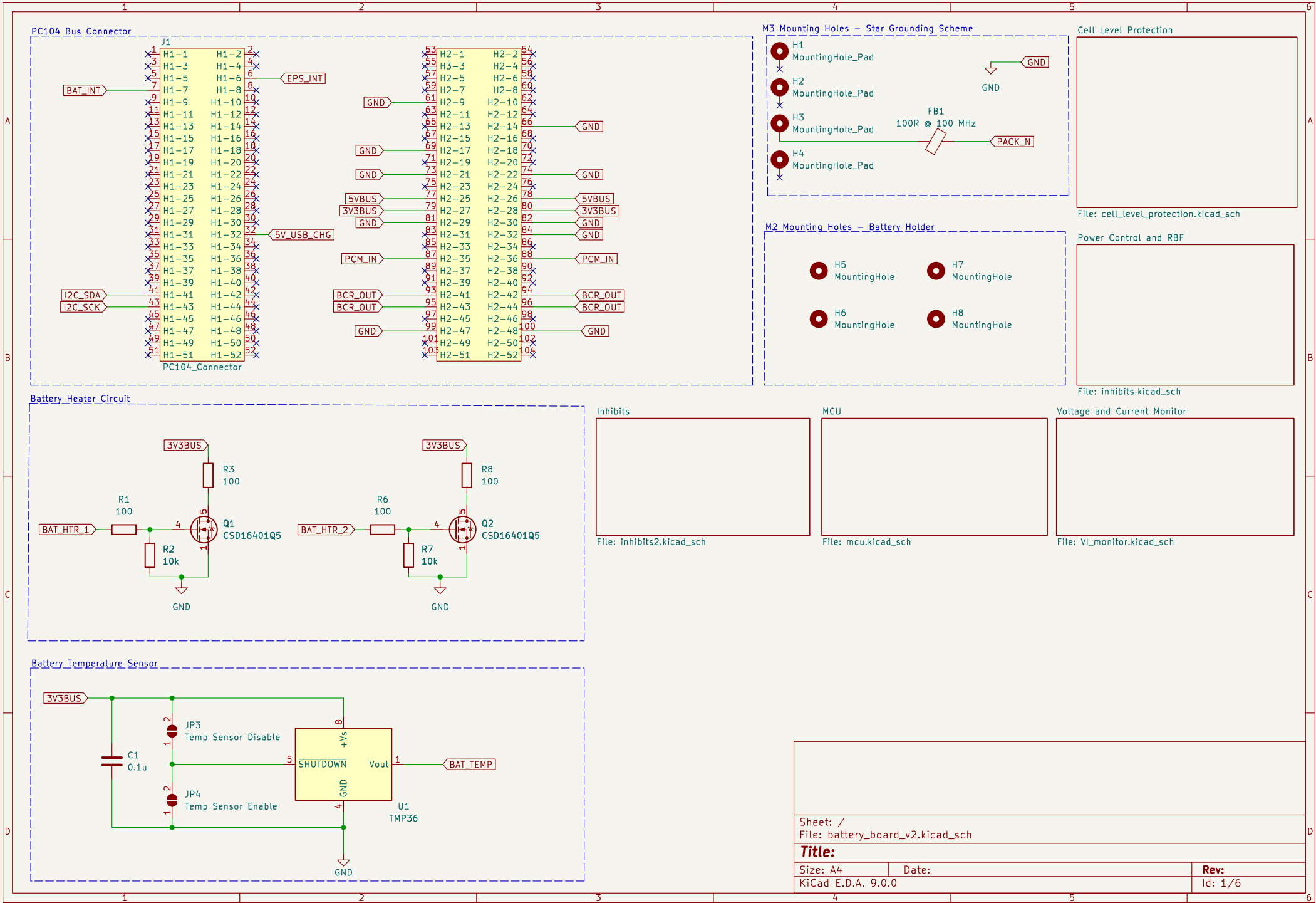
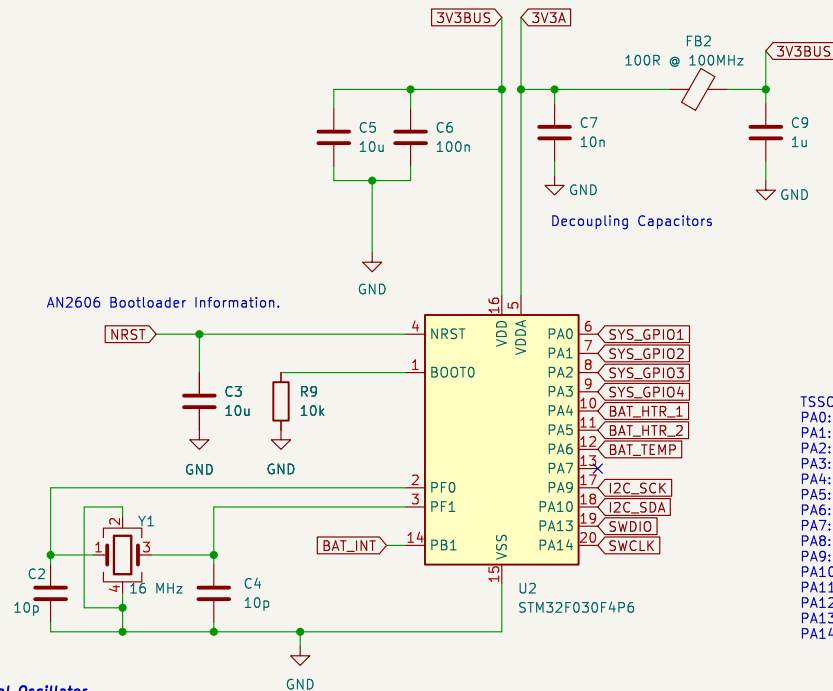




Microcontroller



MCU Crystal Oscillator

AN2867 Oscillator Design Guide

$C = (\text{Load Capacitance} - \text{Stray Capacitance}) * 2$
- Stray Capacitance can be between 3-5 pF

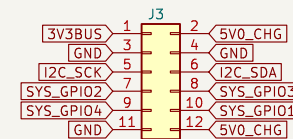
AN2606 Bootloader Information.

Decoupling Capacitors

TSSOP20 Pinout

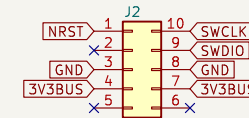
PA0: ADC0
PA1: ADC1
PA2: ADC2
PA3: ADC3
PA4: ADC4
PA5: ADC5
PA6: ADC6
PA7: ADC7
PA8: Not Available
PA9: I2C_SCL / I2C_SCK?
PA10: I2C_SDA
PA11:
PA12:
PA13: SWDIO
PA14: SWCLK

System Test Connector



System Test Connector

Programming Header



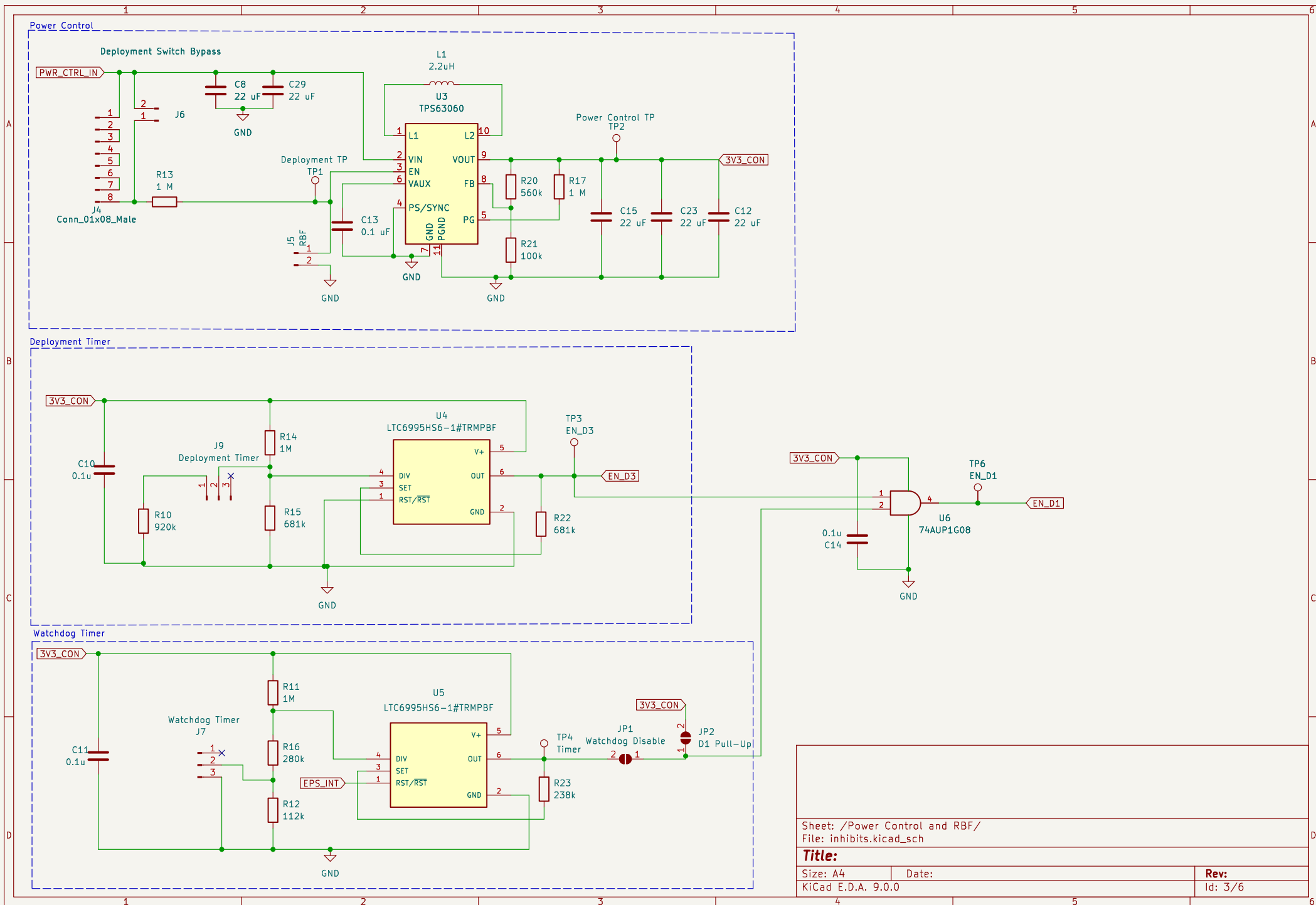
Programming Header

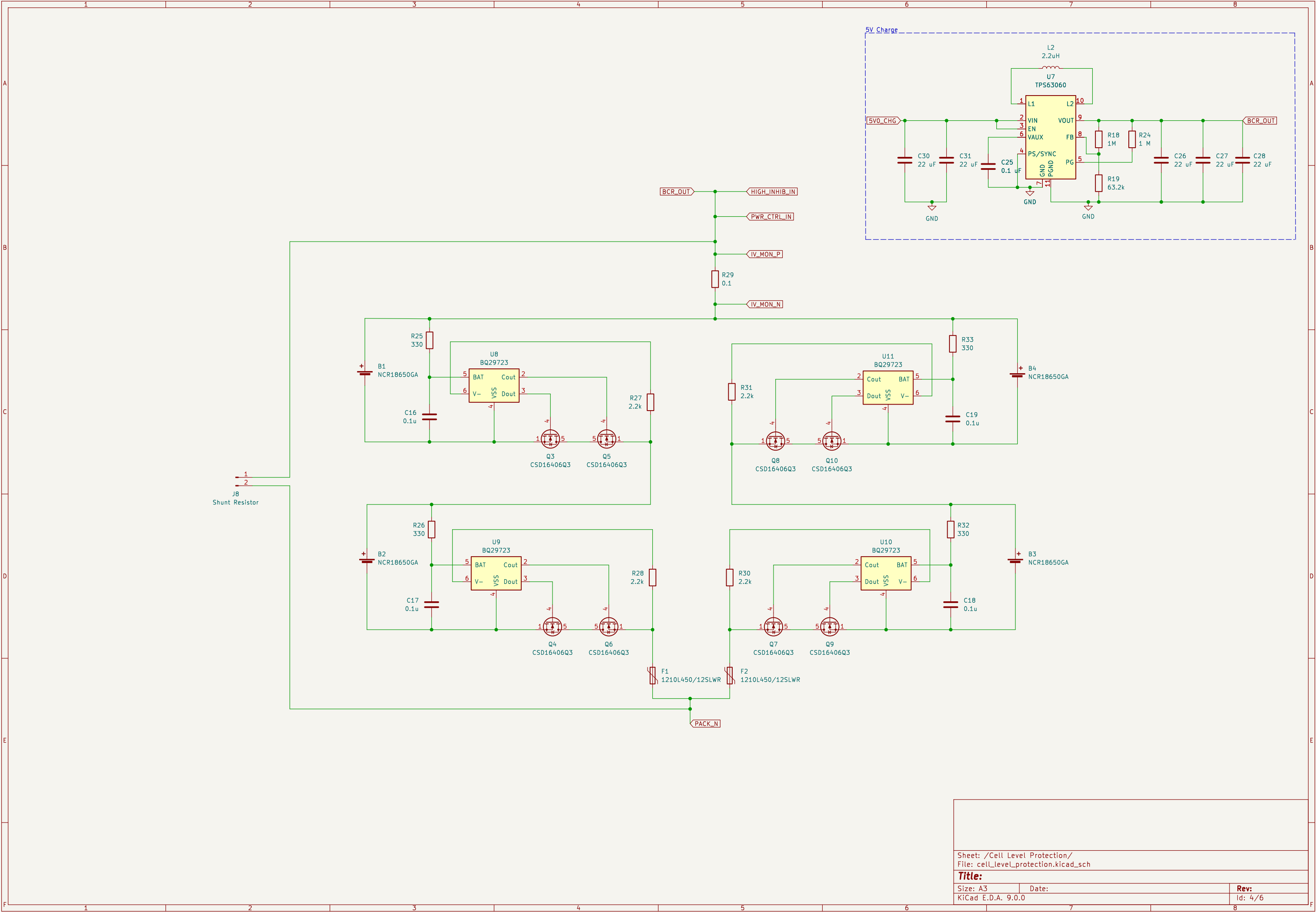
Sheet: /MCU/
File: mcu.kicad_sch

Title:

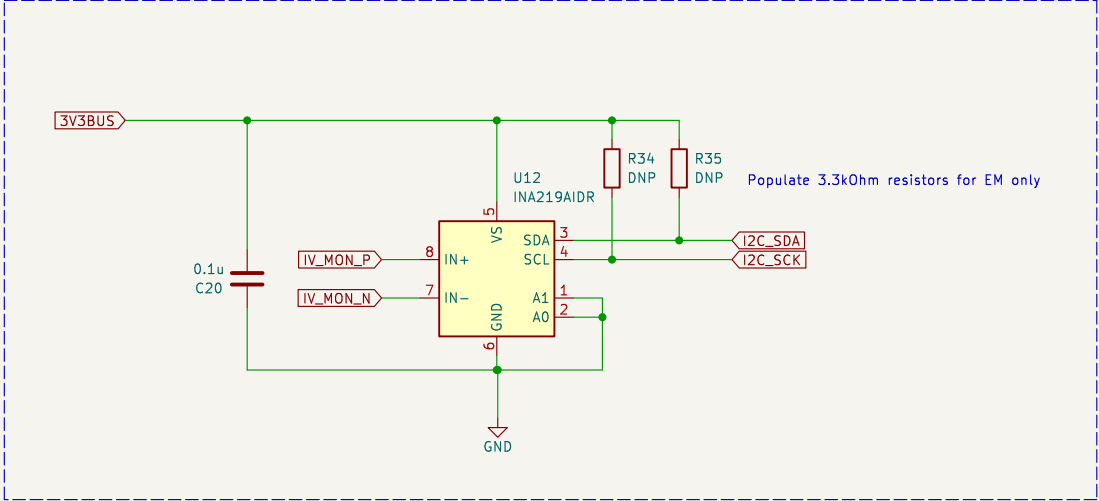
Size: USLetter Date:
KiCad E.D.A. 9.0.0

Rev:
Id: 2/6





Battery Voltage and Current Monitor



Sheet: /Voltage and Current Monitor/
File: VL_monitor.kicad_sch

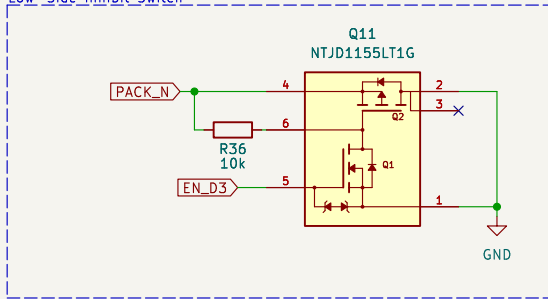
Title:

Size: USLetter
KiCad E.D.A. 9.0.0

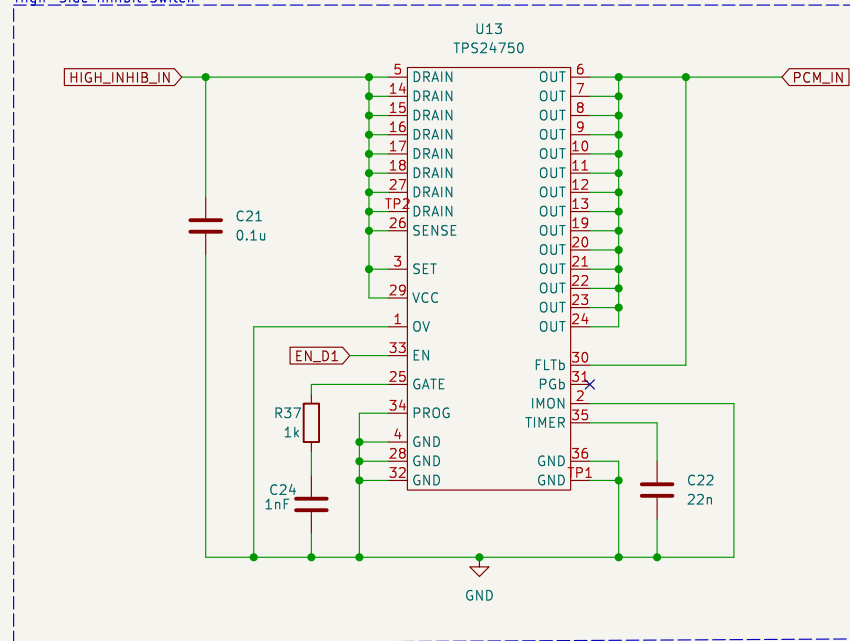
Date:

Rev:
Id: 5/6

Low-Side Inhibit Switch



High-Side Inhibit Switch



Sheet: /Inhibits/
File: inhibits2.kicad_sch

Title:

Size: A4

Date:

KiCad E.D.A. 9.0.0

Rev:

Id: 6/6