

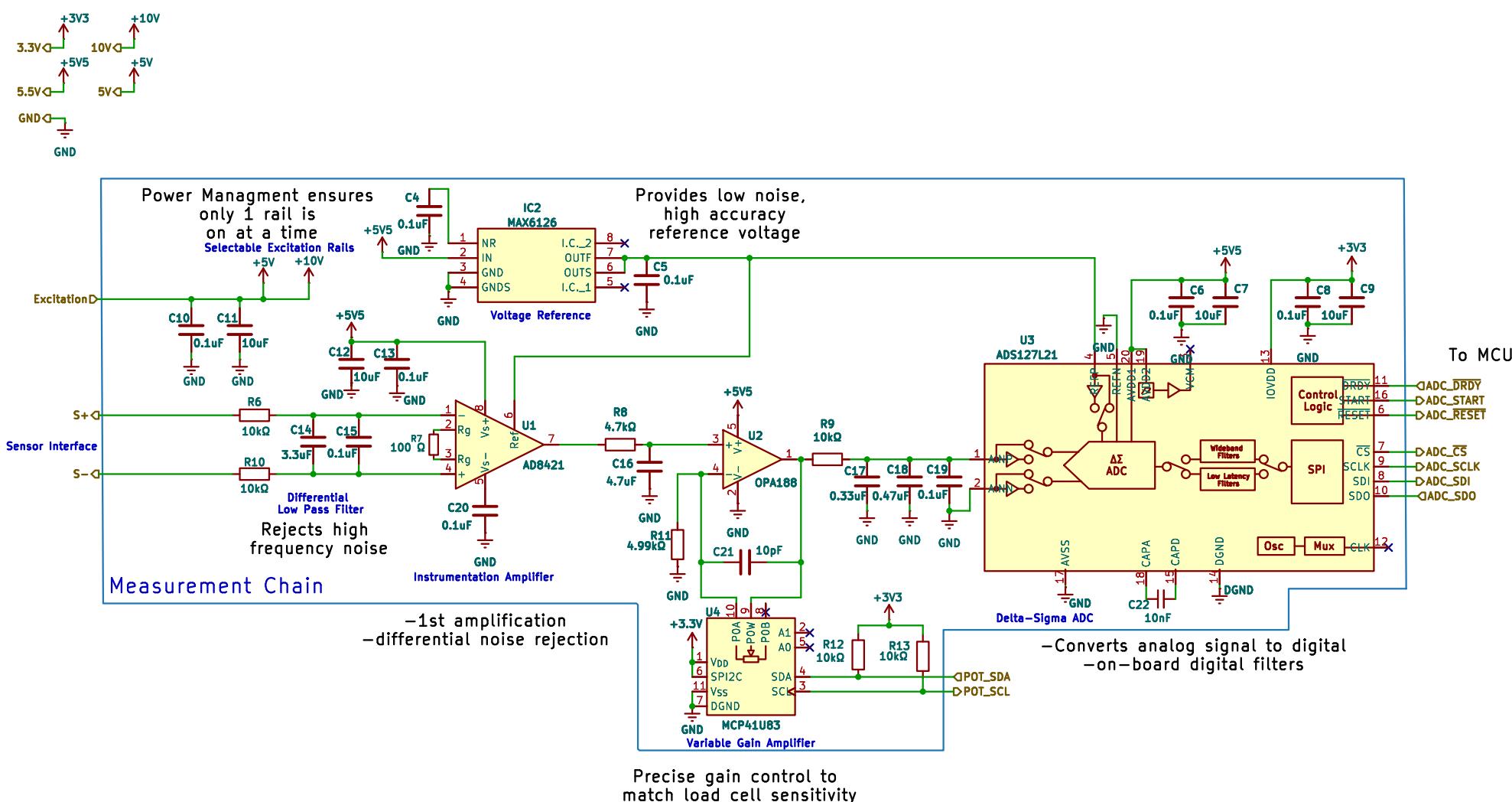
Group 02
Innovate

Sheet: / File: Innoovatest_Sub.kicad_sch

Title: Mobile Force Verification Unit

Size: A4 Date: 2025-11-30
KiCad E.D.A. 9.0.3

Rev: 1.0
Id: 1/5



Sheet: /Measurement Chain/
File: measurement-chain.kicad_sch

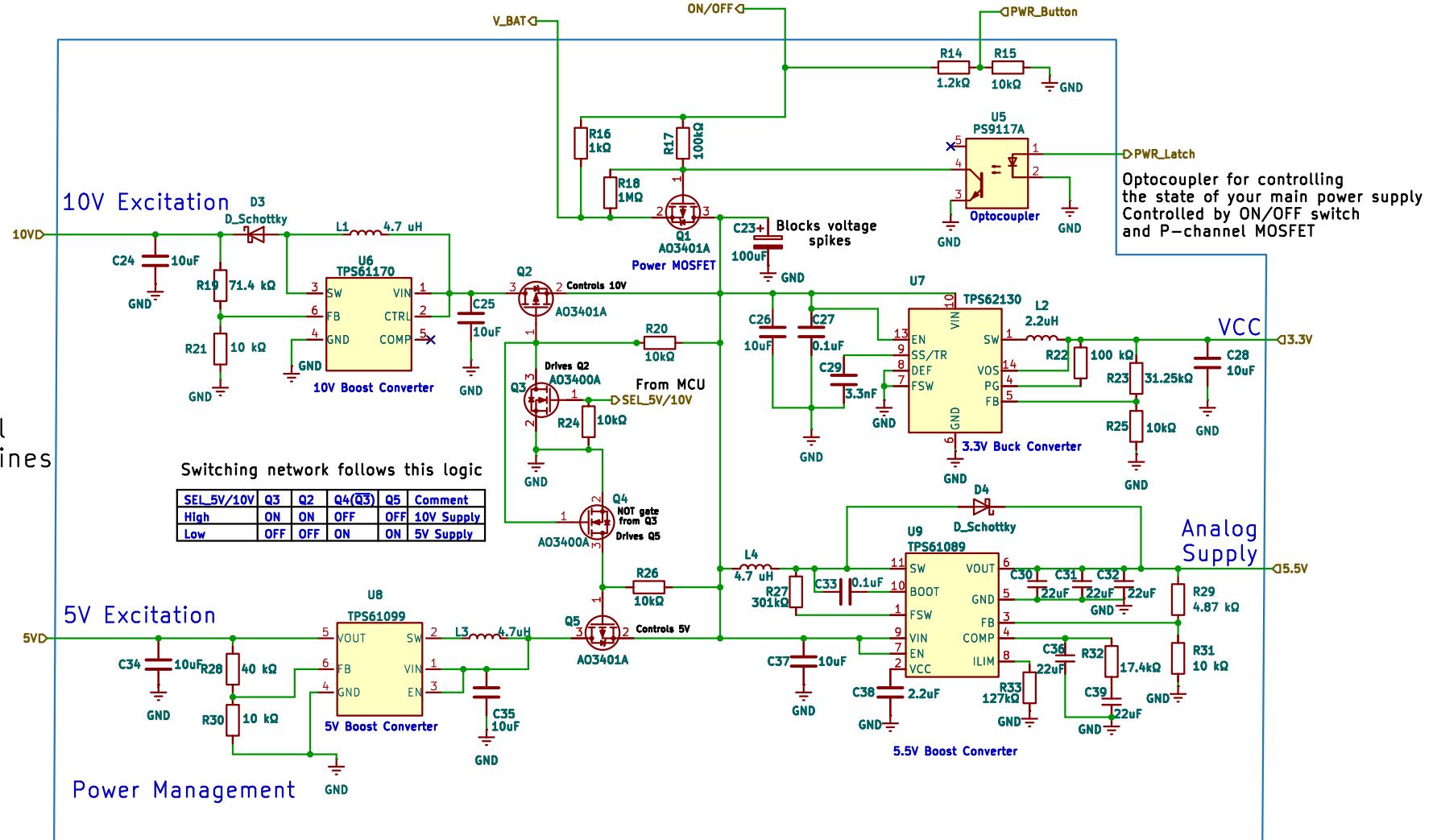
Title: Measurement Chain

Size: A4 Date:

KiCad E.D.A. 9.0.3

Rev:
Id: 4/5

Power Management IC's to manage and regulate power, each channel regulates Power based on our components specific Specification and ensures that each component in our Main circuit and Measurement chain is supplied with Noise clean specific Voltage



Sheet: /Power Management/
File: power-regulation.kicad_sch

Title: Power Management

Size: A4 Date:
KiCad E.D.A. 9.0.3

Rev:
Id: 4/5

A

A

B

B

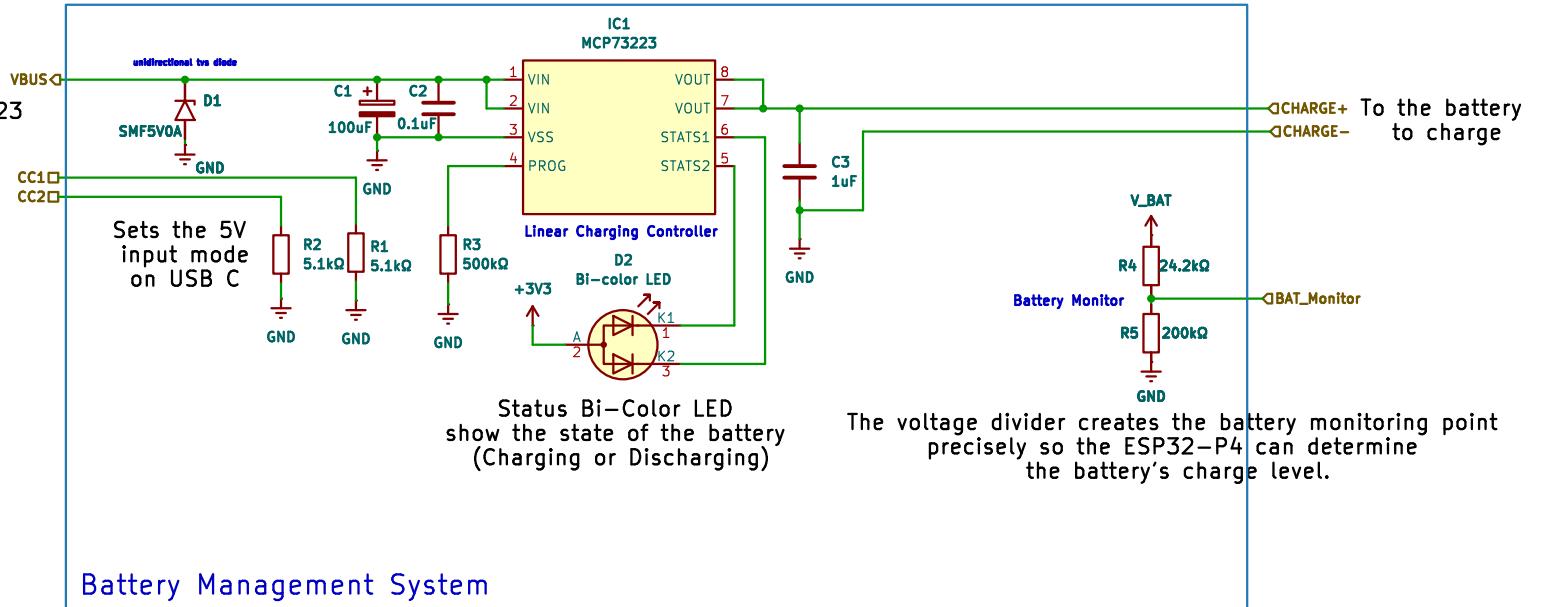
C

C

D

D

USB C Supplying 5V into MCP73223
battery charge management
controller feeding the Battery

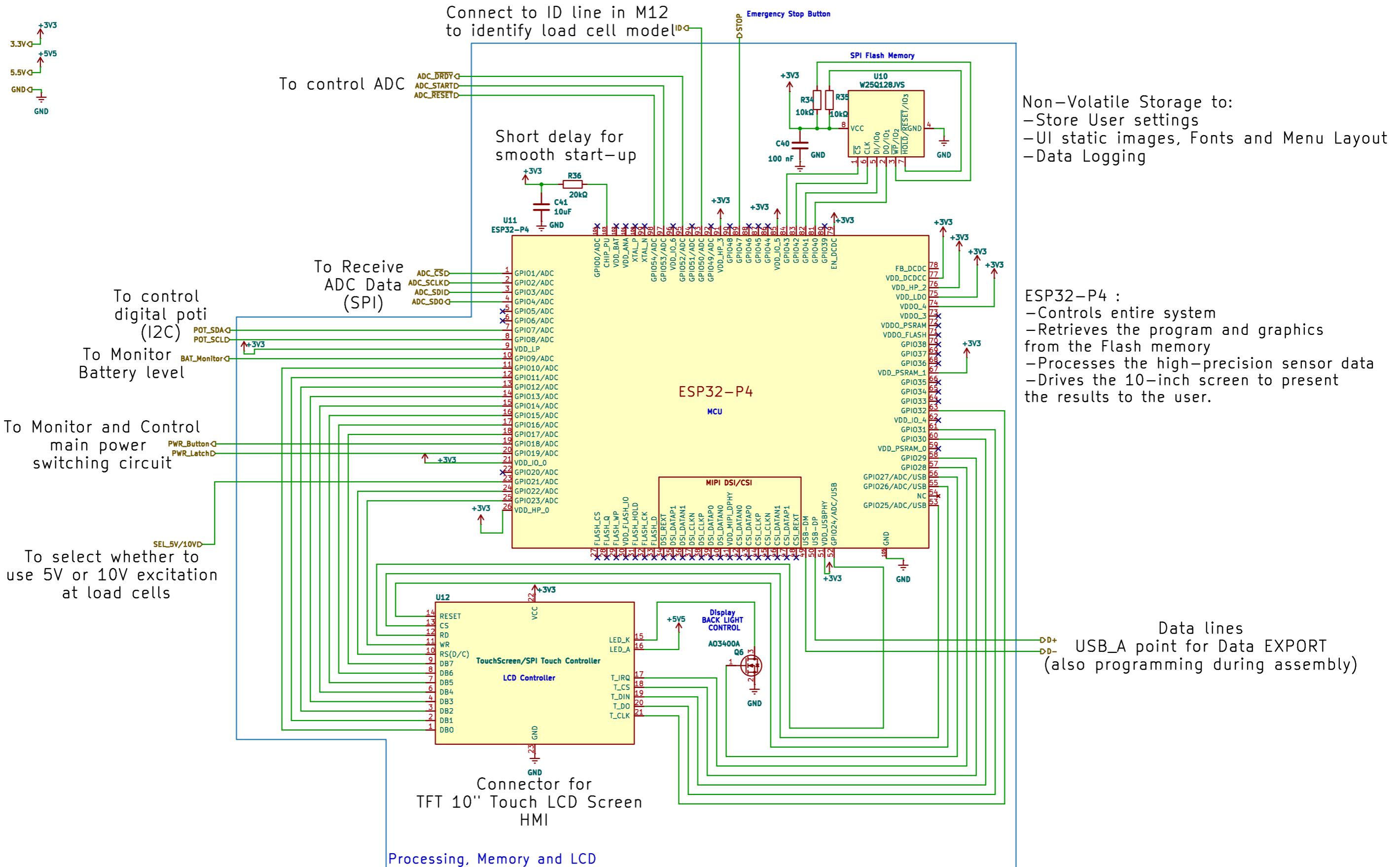


Sheet: /Battery Management/
File: battery-management.kicad_sch

Title: Battery Management

Size: A4 Date:
KiCad E.D.A. 9.0.3

Rev:
Id: 3/5



- Non-Volatile Storage to:
 - Store User settings
 - UI static images, Fonts and Menu Layout
 - Data Logging

- Controls entire system
- Retrieves the program and graphics from the Flash memory
- Processes the high-precision sensor data
- Drives the 10-inch screen to present the results to the user.

 Data lines
 USB_A point for Data EXPORT
(also programming during assembly)