

Raven-I Sentinel

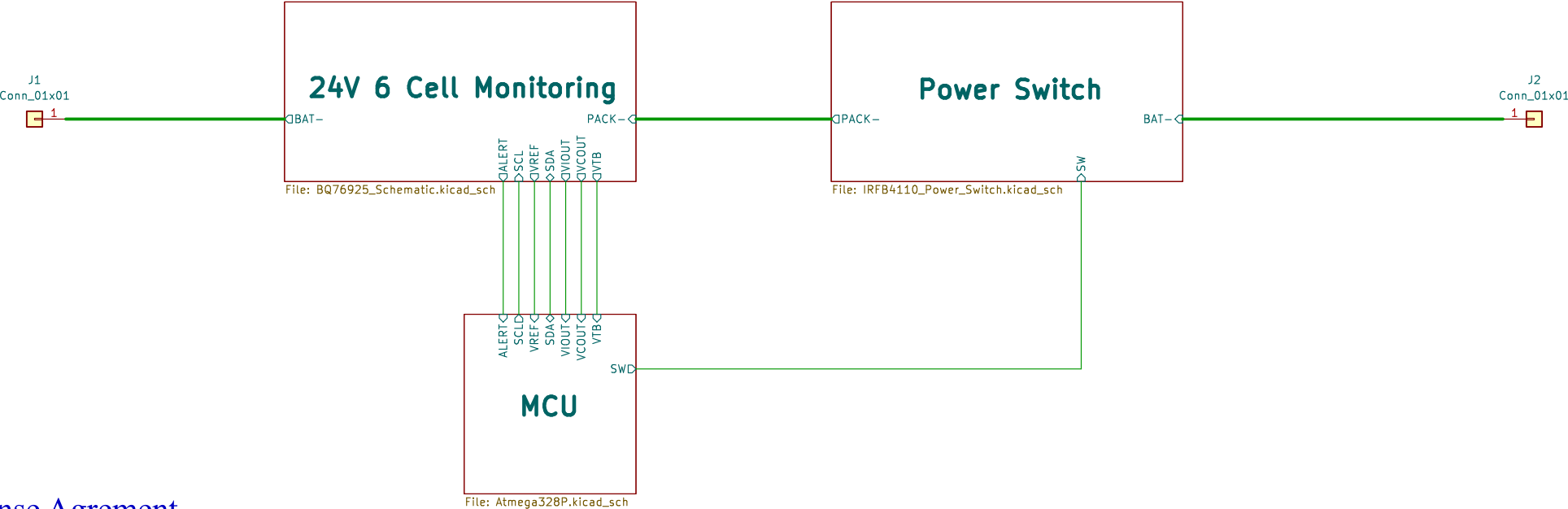
Version 1.0

Version Goal

- Kick start development of a value-oriented, robust BMS with external communication capabilities.

Legend

- General Comments
- Justification
- Warnings



License Agreement

- This PCB design is licensed under CC BY-SA 4.0
- This PCB design is provided "as-is," without warranty of any kind, either express or implied, including but not limited to the warranties of merchantability, fitness for a particular purpose, or non-infringement.
- The author(s) shall not be held liable for any damages, injuries, or other consequences arising from the use of this design.

T_çNBTEκ=

M S Ali

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Title: Raven-I Sentinel

Size: A4

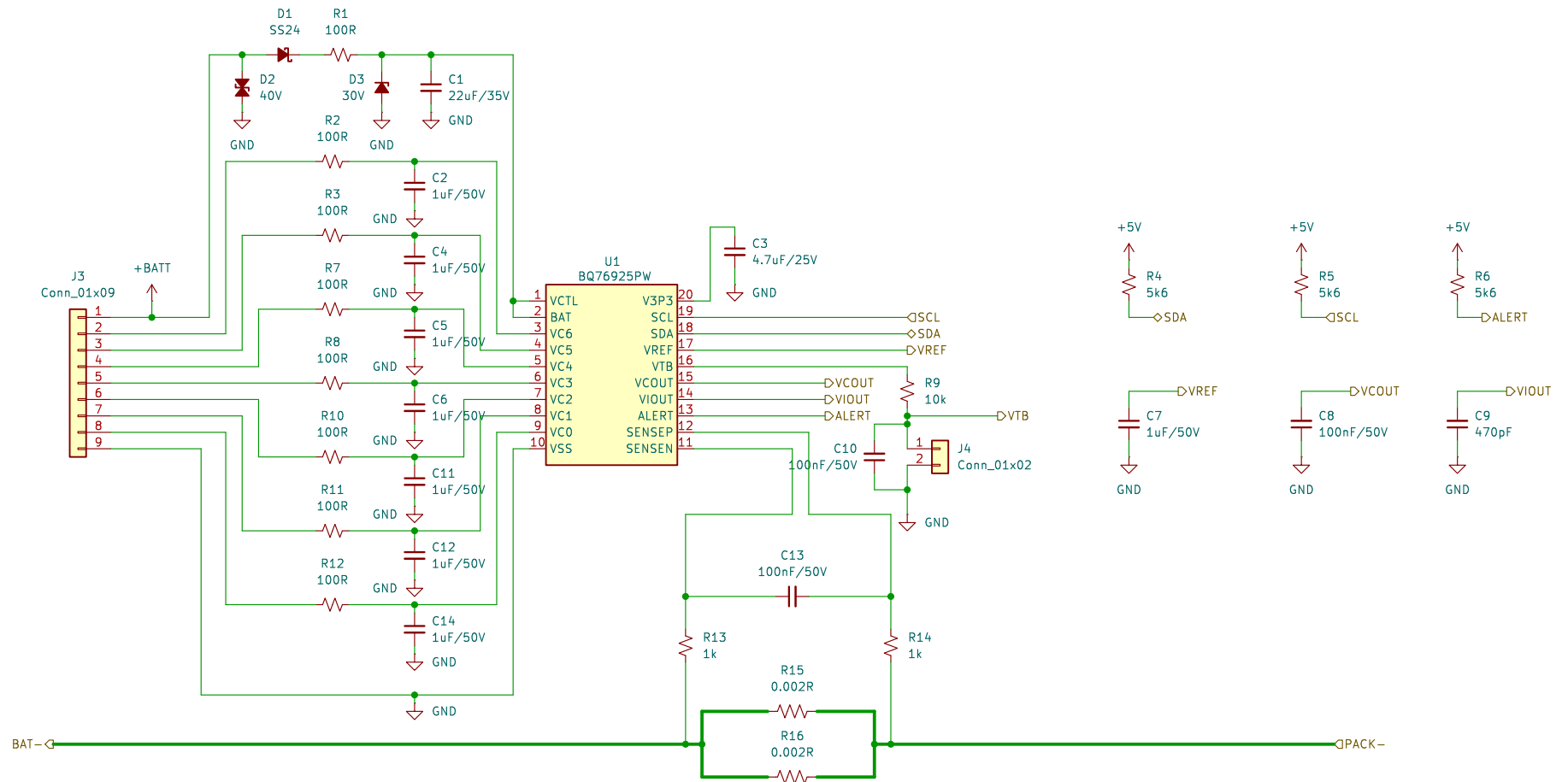
Date: 2024-11-23

KiCad E.D.A. 8.0.1

Rev: 1.0

Id: 1/4

BQ76925 Schematic 24V 6 Cell Monitoring


$$\overline{T_{\zeta}NBTE_{\kappa}}=$$

M S Ali

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Title: Raven—I Sentinel

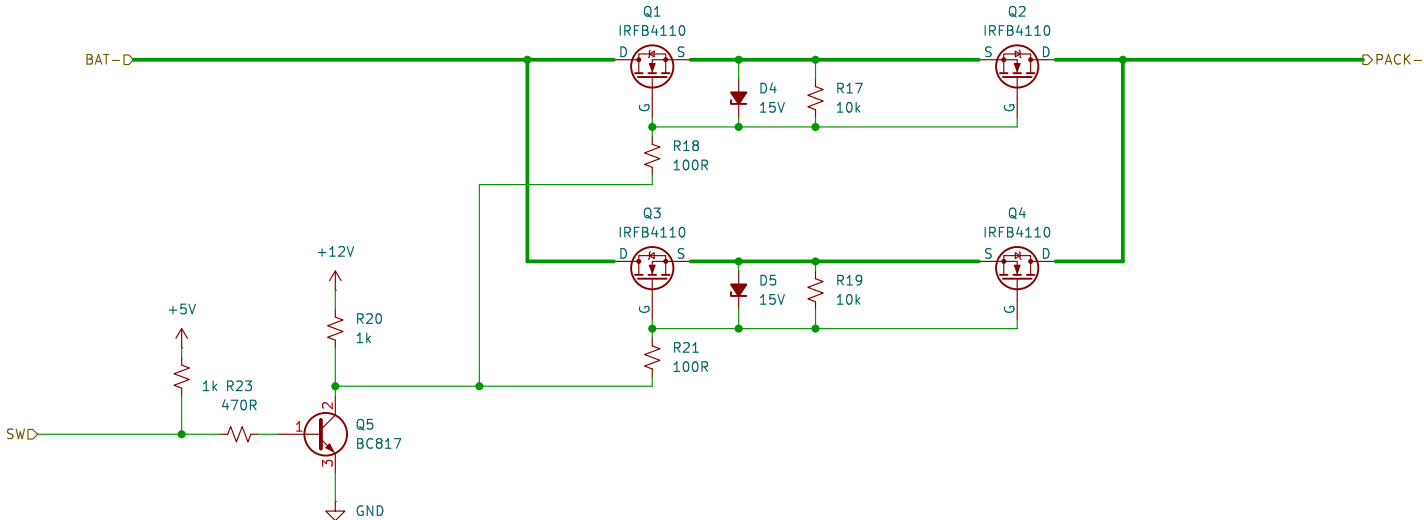
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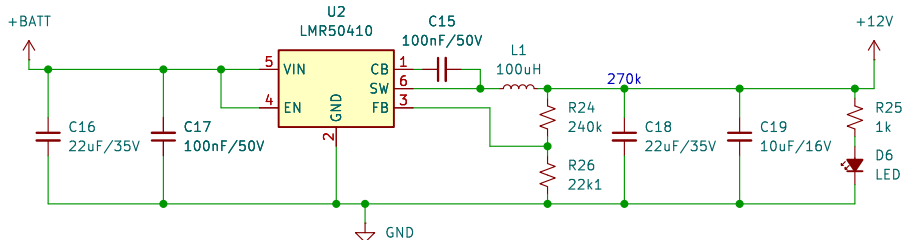
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Id: 2/4

20A Power Switch



VBAT to 12V


$$\overline{T_{\zeta \text{NBTE}_{\kappa}}} =$$

M S ALI

Sheet: /Power Switch/
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Title: Raven-I Sentinel

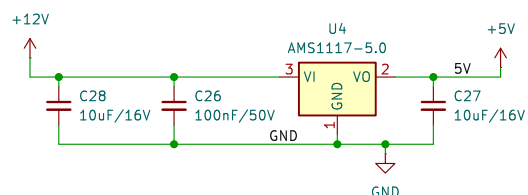
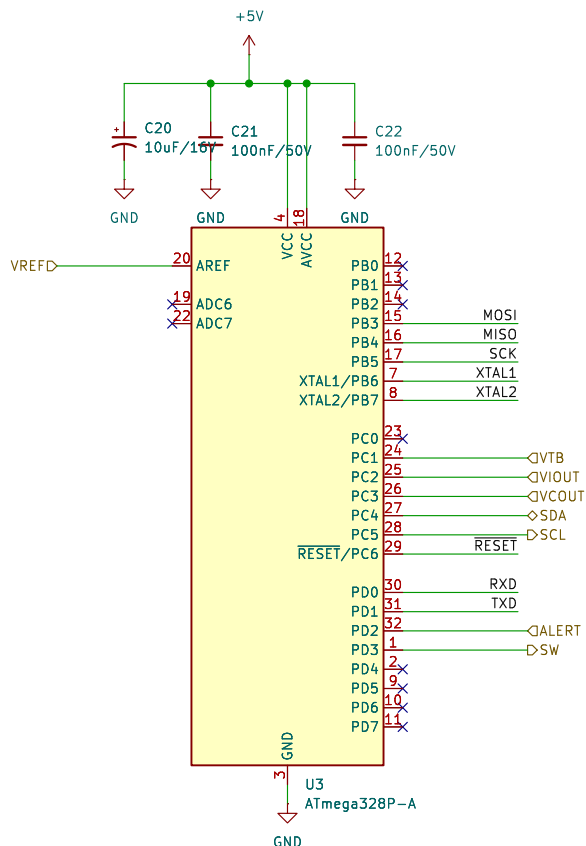
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KiCad E.D.A. 8.0.1

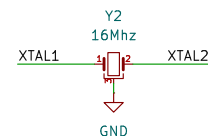
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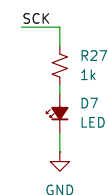
12V to 5V LDO



MCU - UART

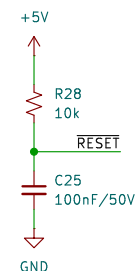
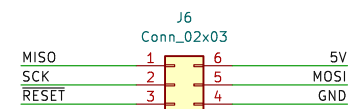


MCU - TEST LED



MCU - Programmer

MCU - RESET


$$\overline{T_{\zeta \text{NBTE}_{\kappa}} =}$$

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Title: Raven-I Sentinel

Rev:
Id: 4/4

SIZE: A1	
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