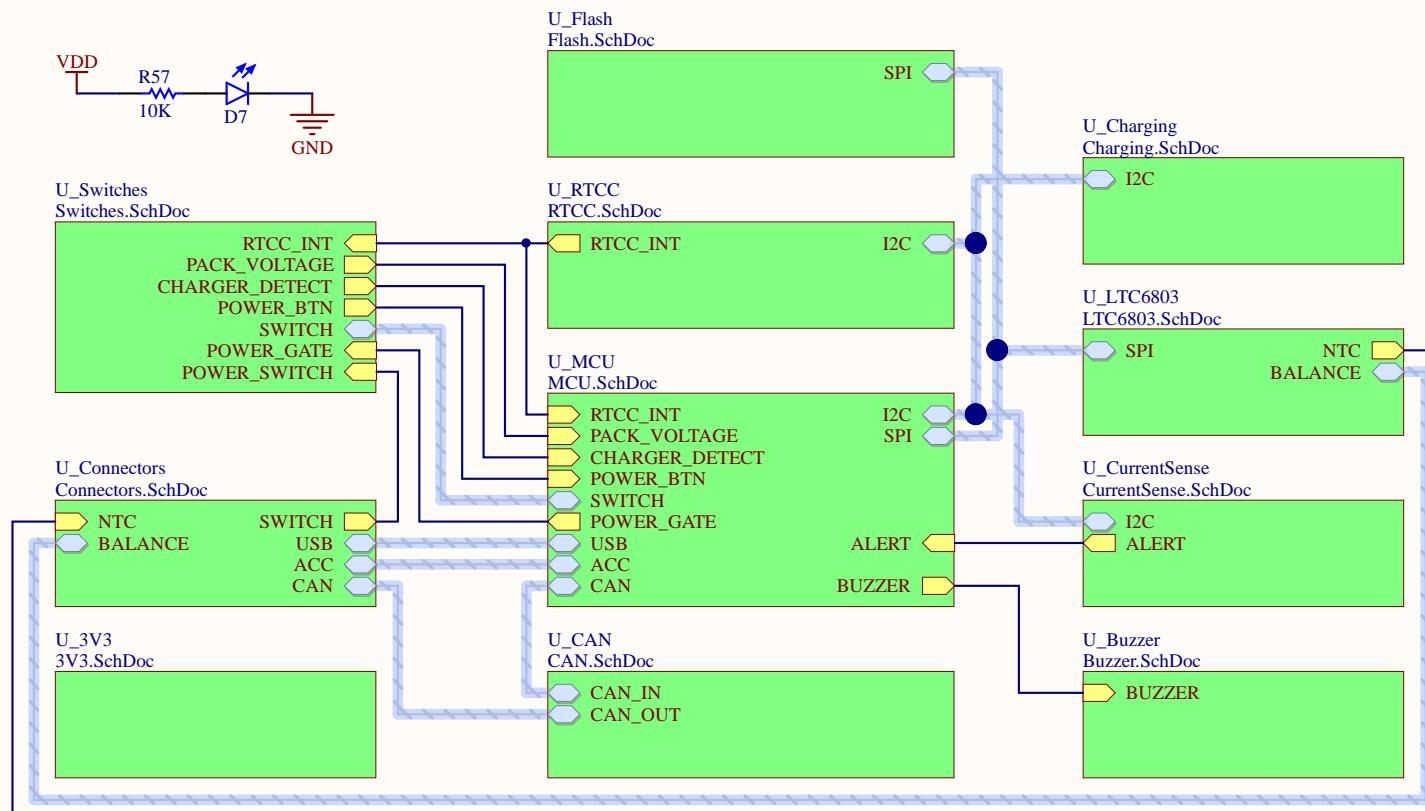


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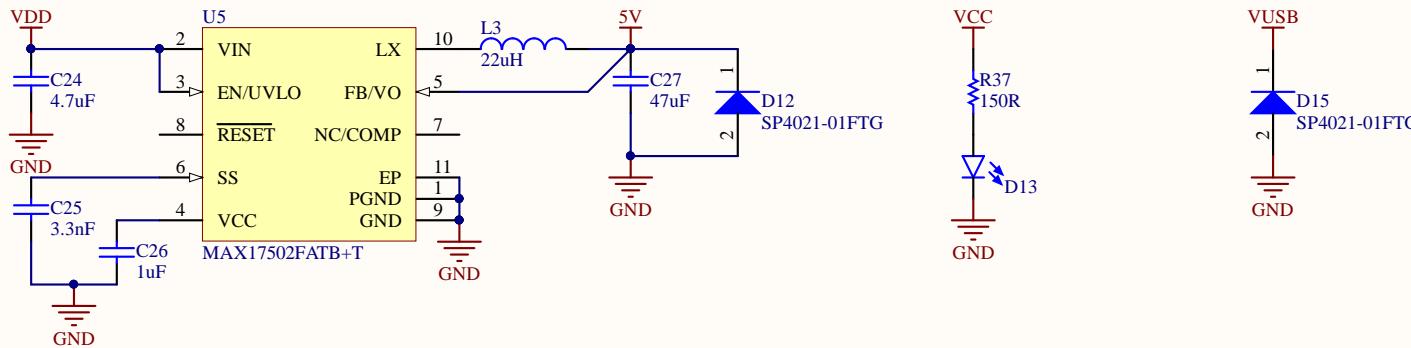
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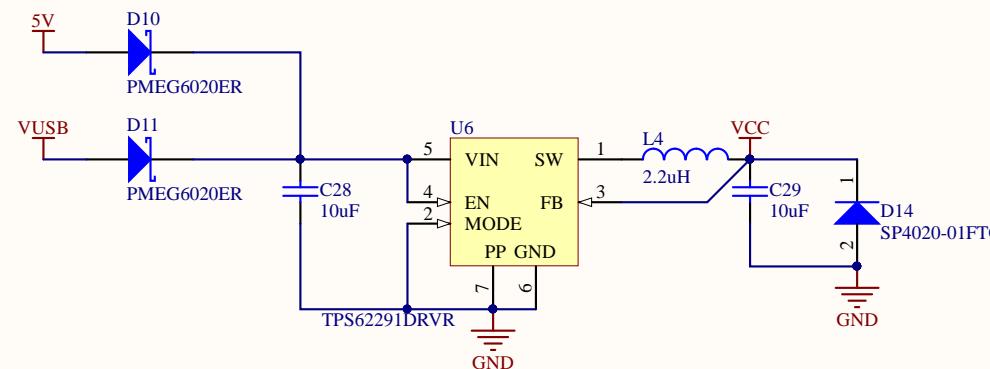
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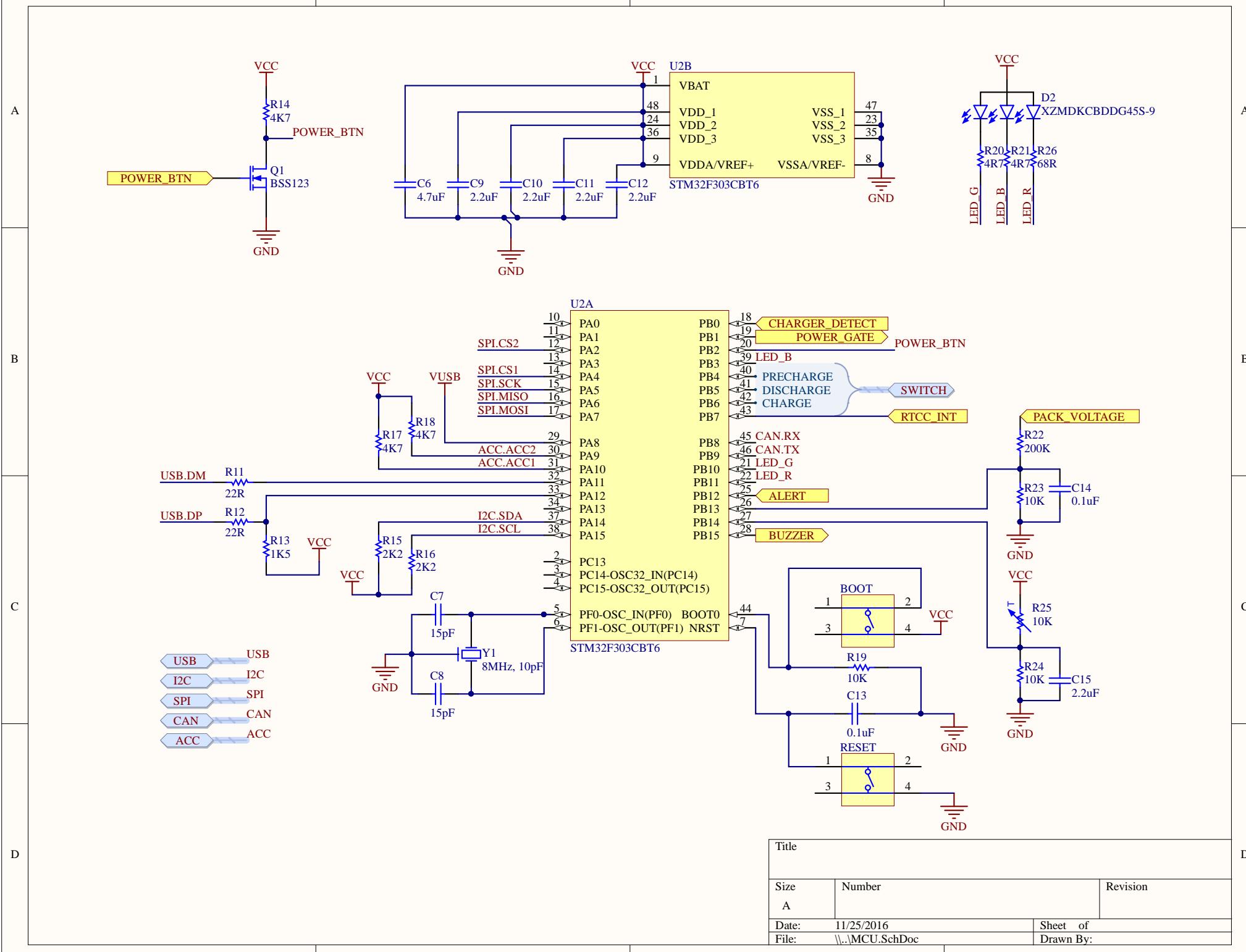
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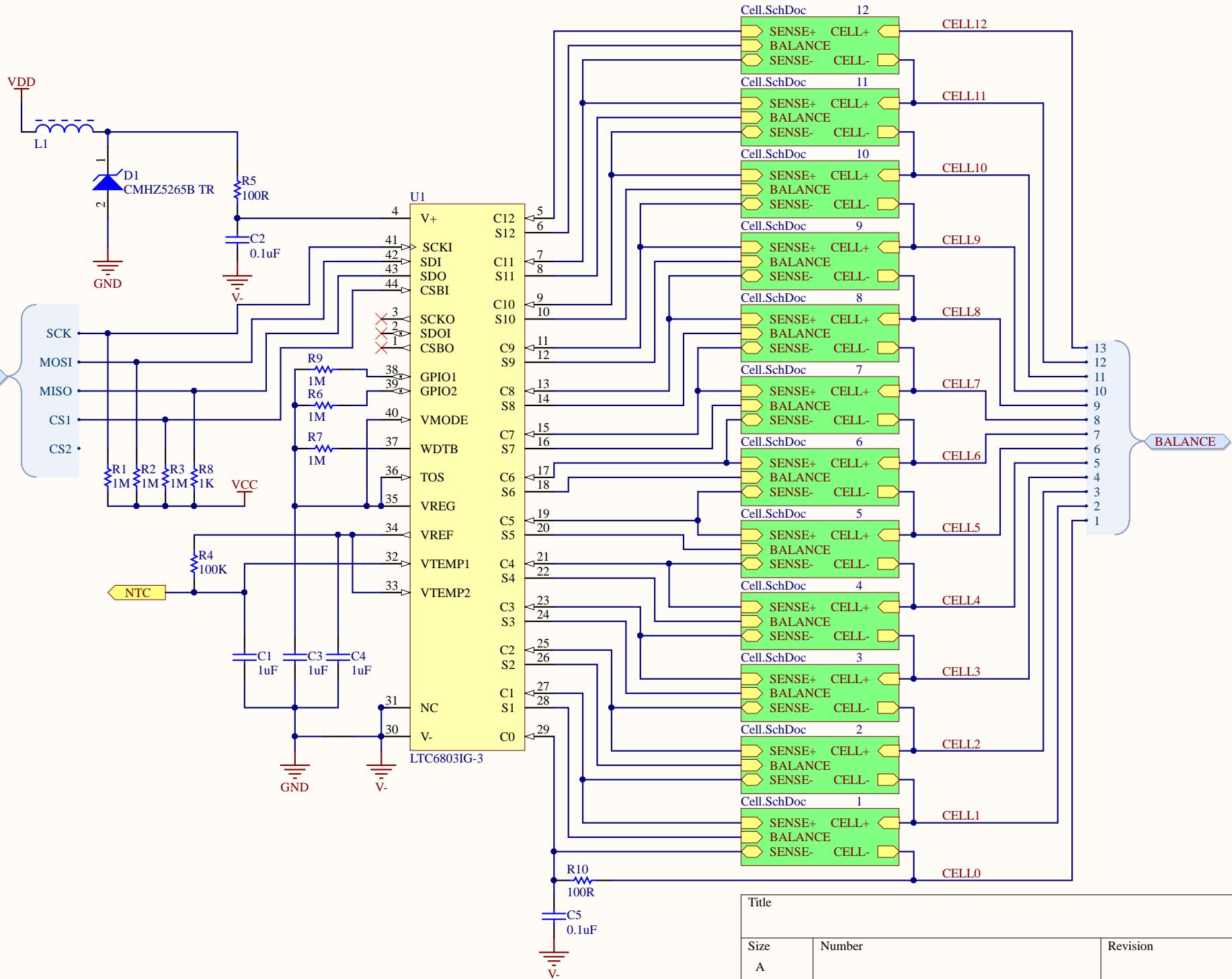
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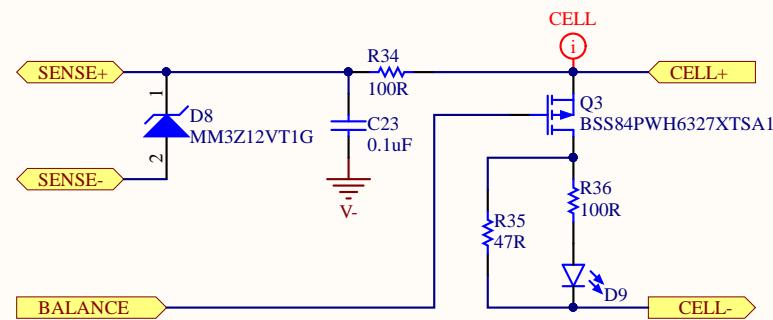
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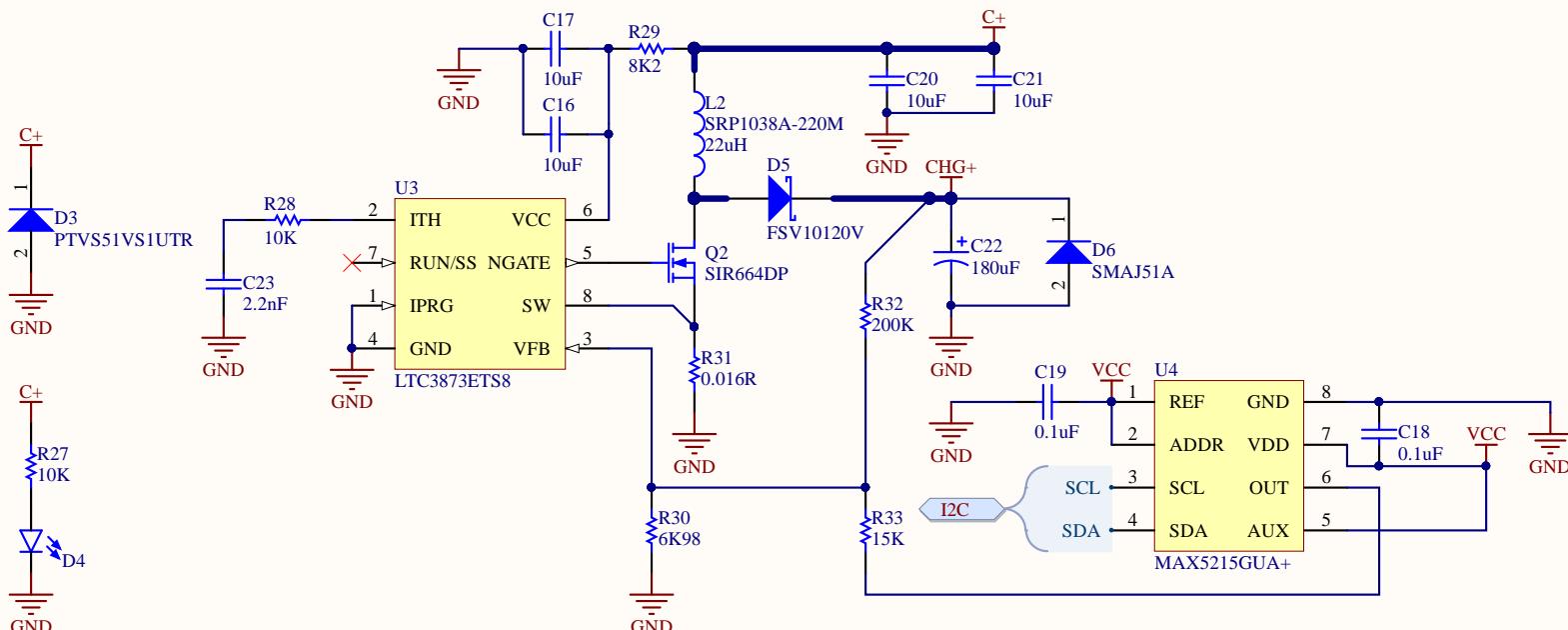
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$$\begin{aligned}
 V_{out} &= 1.2V(1 + 200K\Omega / 6.98K\Omega + 200K\Omega / 15K\Omega) - V_{dac}(200K\Omega / 15K\Omega) \\
 V_{dac} &= 3.3V * n / 16383, \quad 0 \leq n \leq 16383 \\
 V_{dac} = 0V &\rightarrow V_{out} = 51.58V \\
 V_{dac} = 3.3V &\rightarrow V_{out} = 7.58V
 \end{aligned}$$

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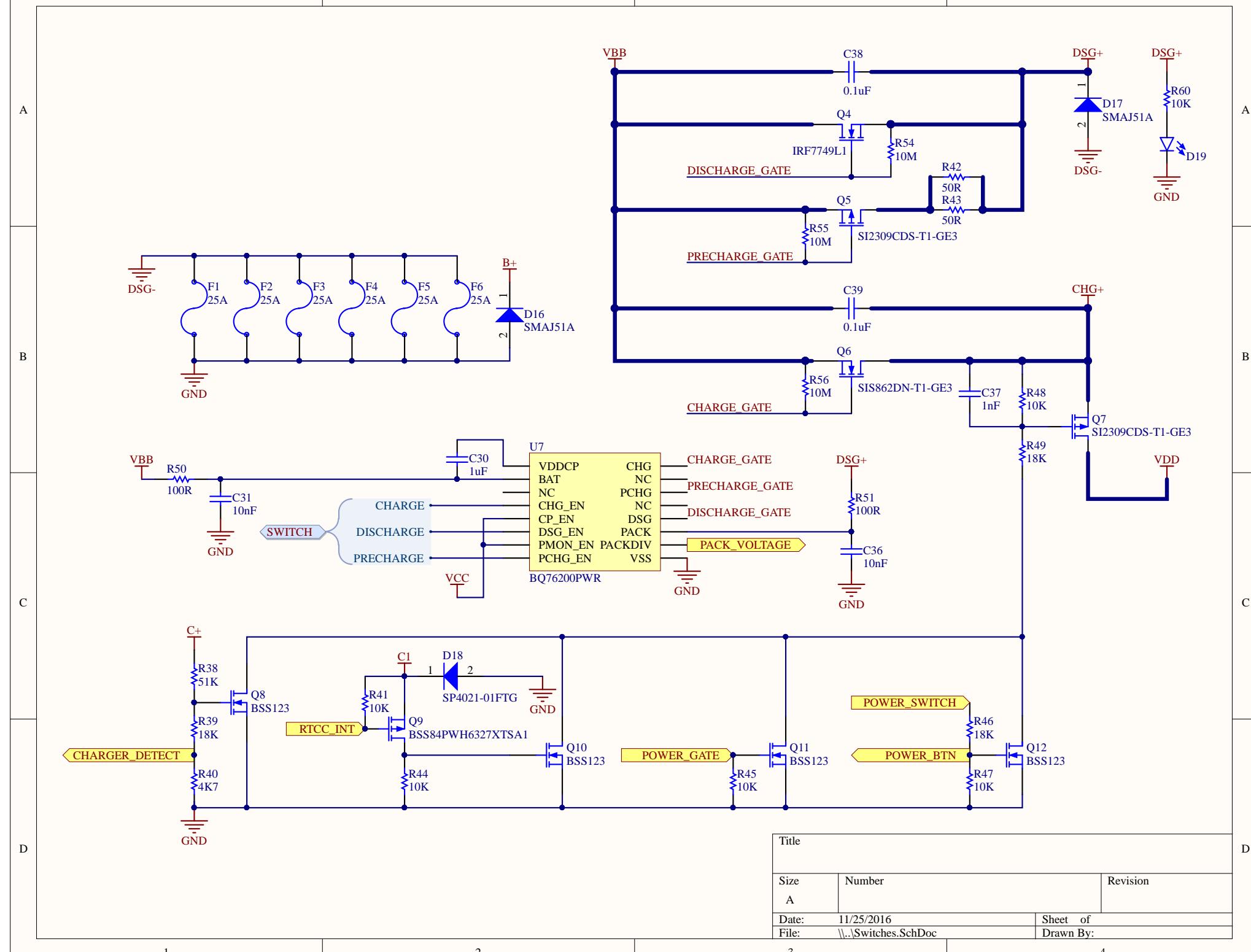
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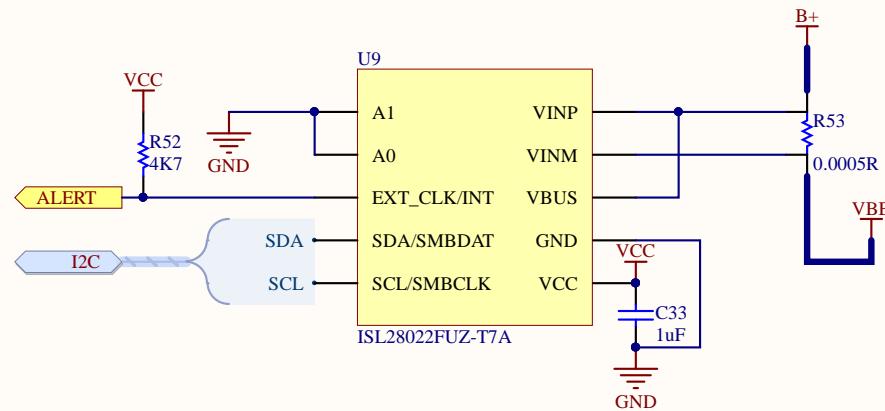
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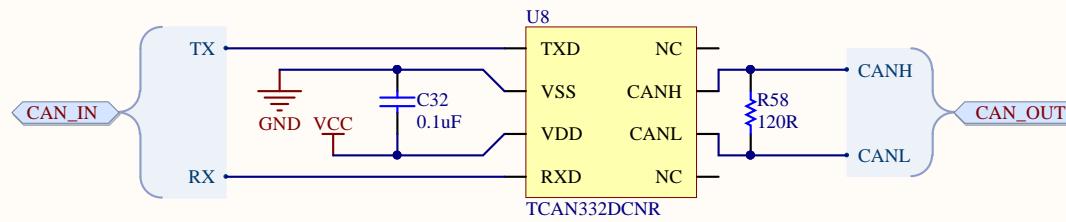
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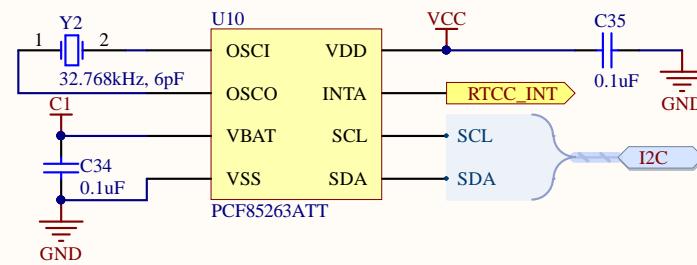
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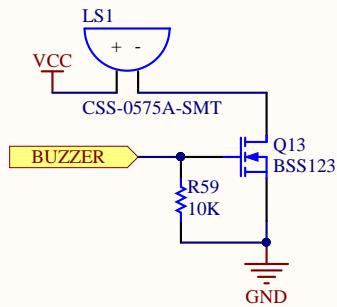
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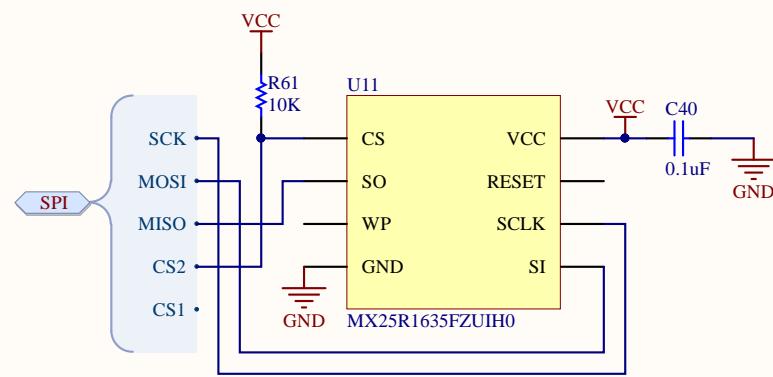
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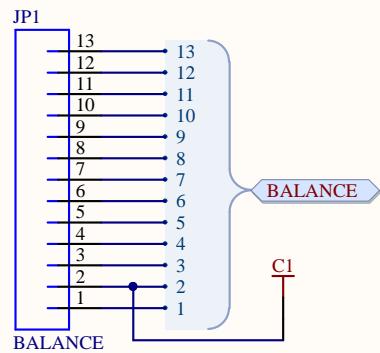
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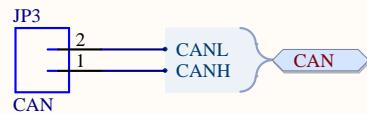
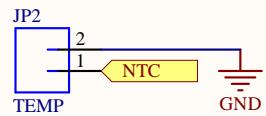


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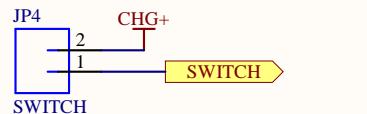
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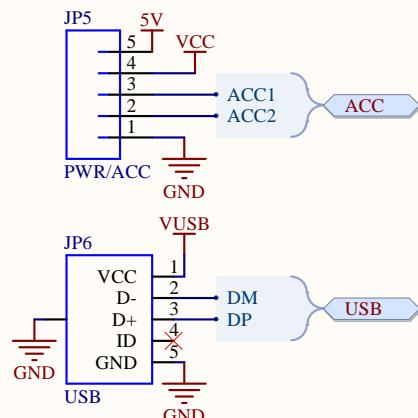
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