

| Title | | |
|-------|----------------------------|-----------|
| Size | Number | Revision |
| A | | |
| Date: | 1/16/2022 | Sheet of |
| File: | C:\Users\...\Master.SchDoc | Drawn By: |

A

B

C

D

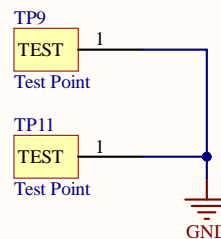
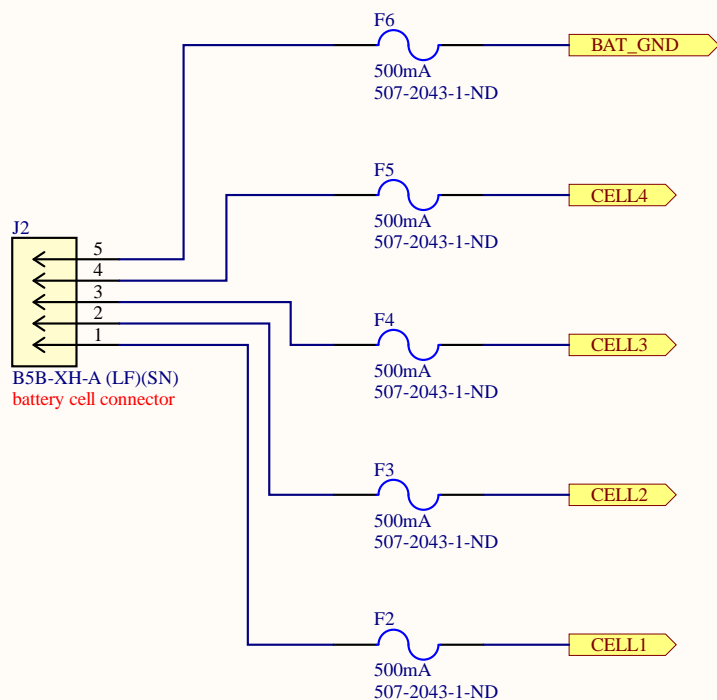
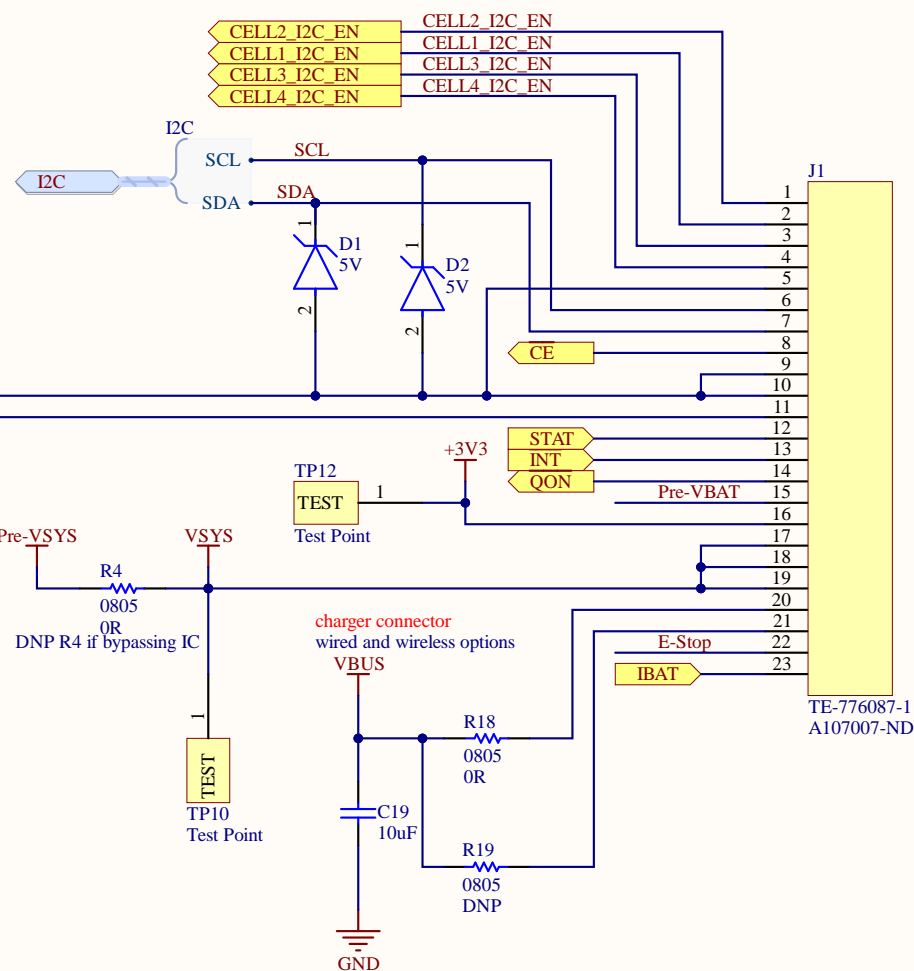
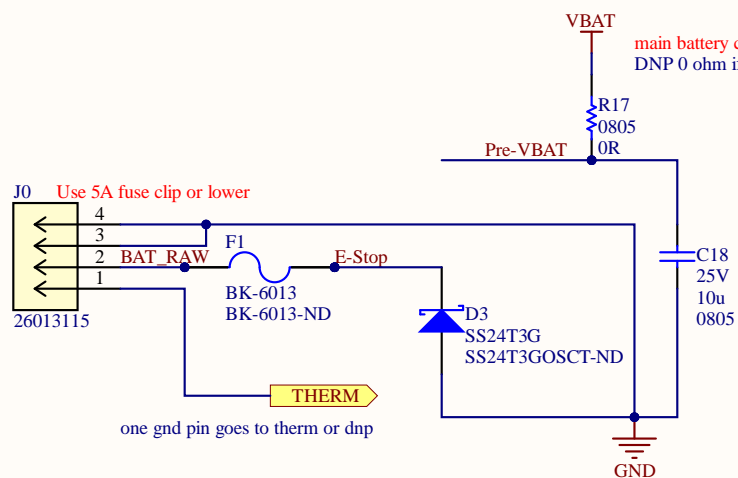
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B

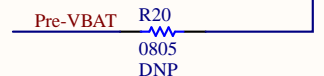
C

D

primary pcb connector
use ampseal 23 right angle
connect stat to LED on primary pcb



IC bypass connect battery/powersource to system



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A

A

B

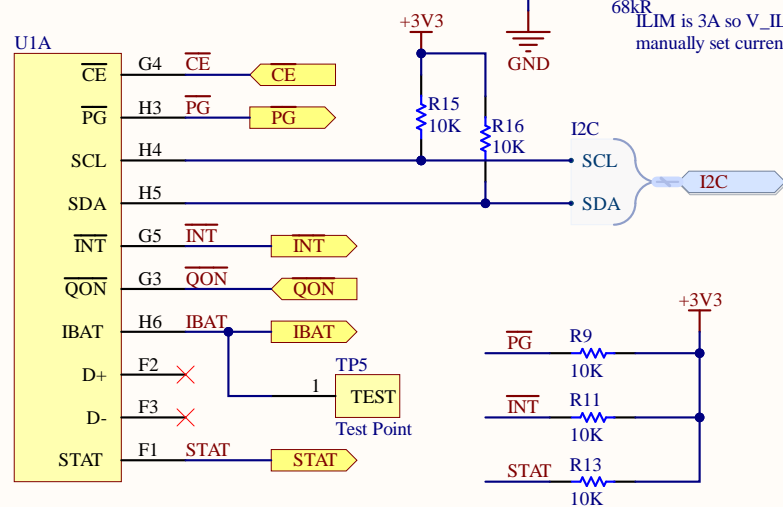
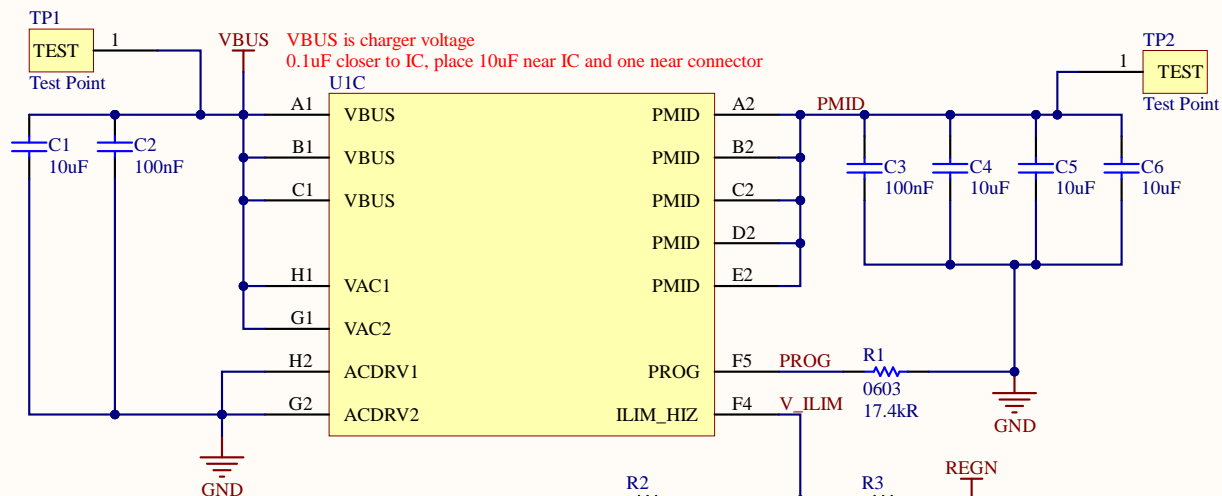
B

C

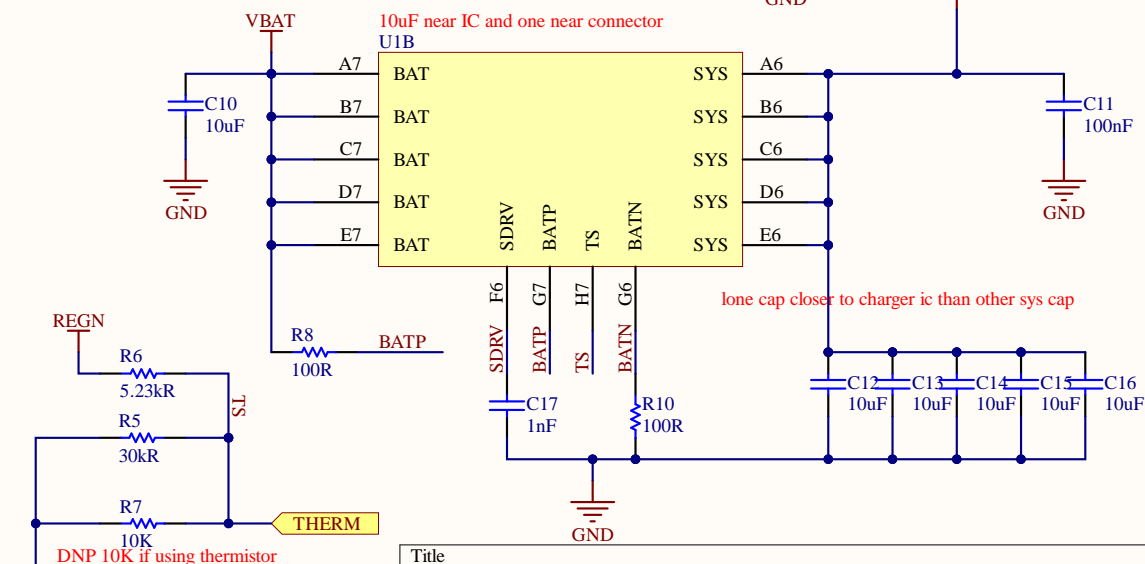
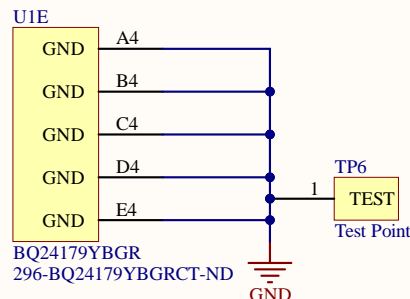
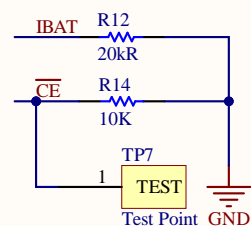
C

D

D



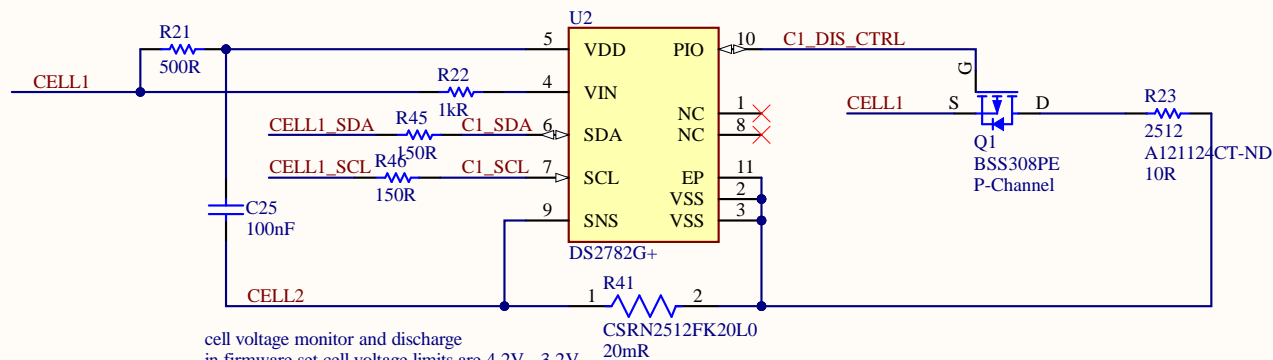
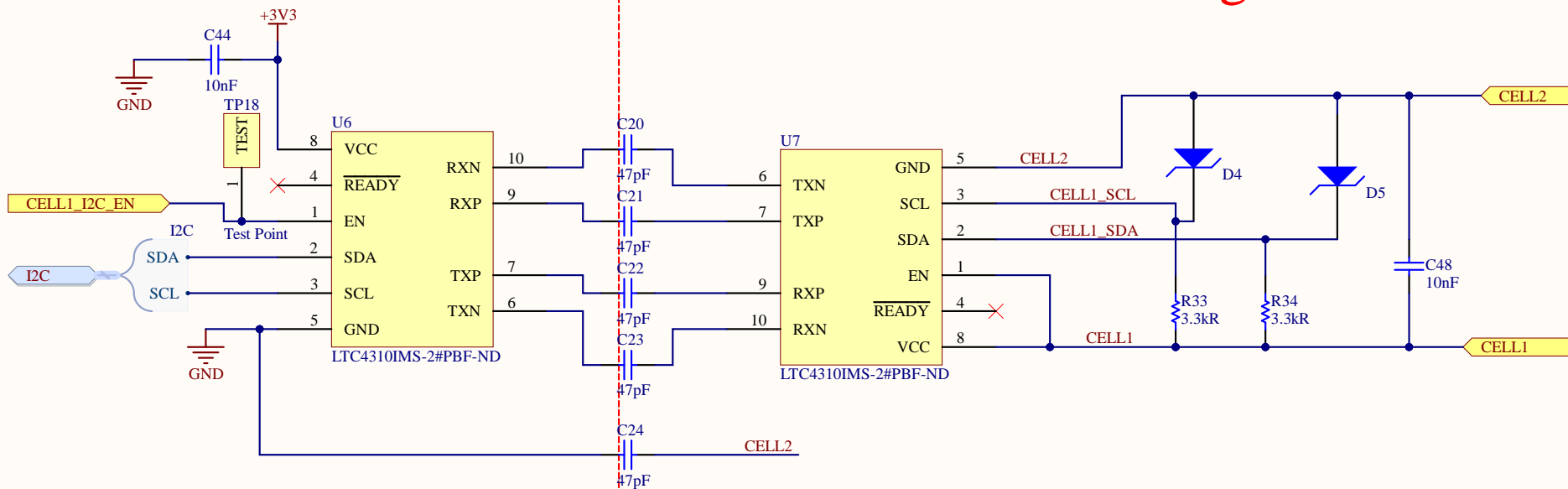
IBAT max is 3.3V
IBAT Analog Voltage Ratio: 0.5V/1A
25uA : 1A ratio from datasheet
25uA * 20k = 0.5V



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System Voltage

Cell 1 Voltage

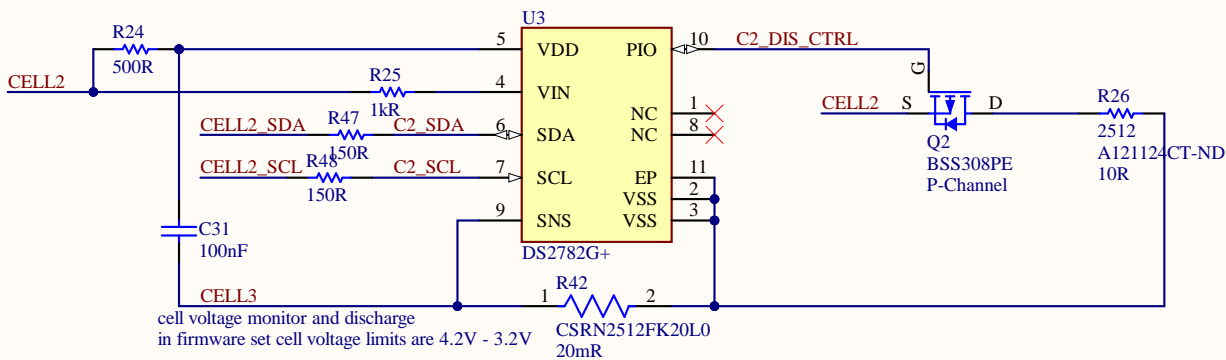
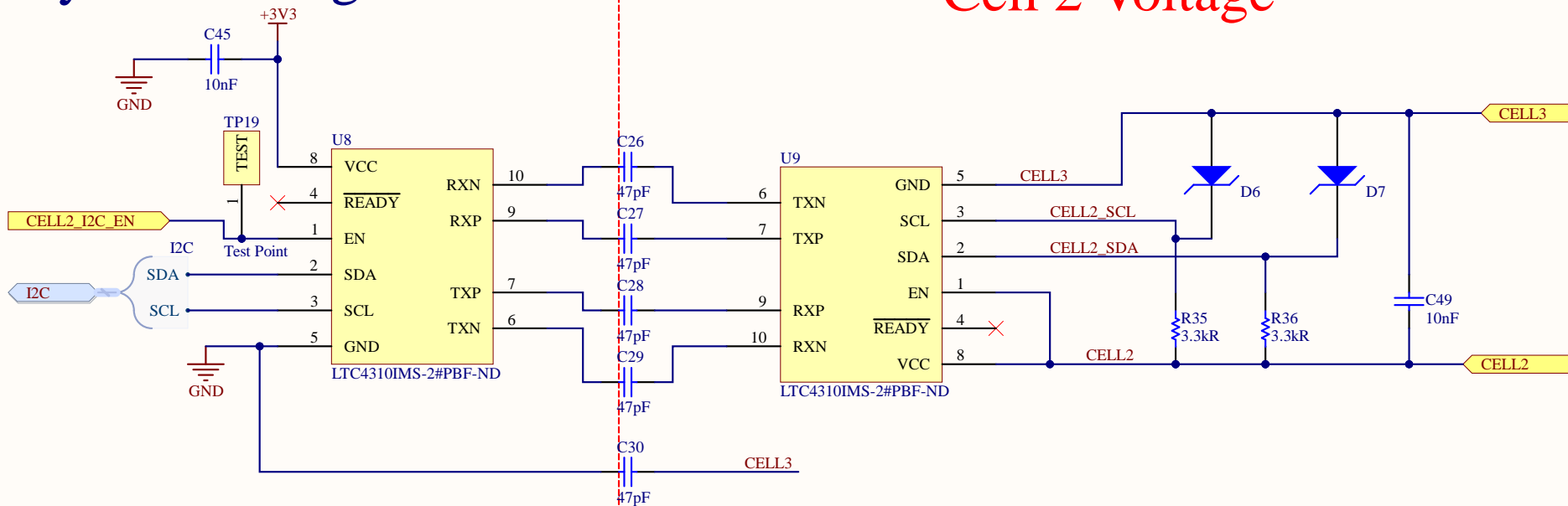


cell voltage monitor and discharge
in firmware set cell voltage limits are 4.2V - 3.2V

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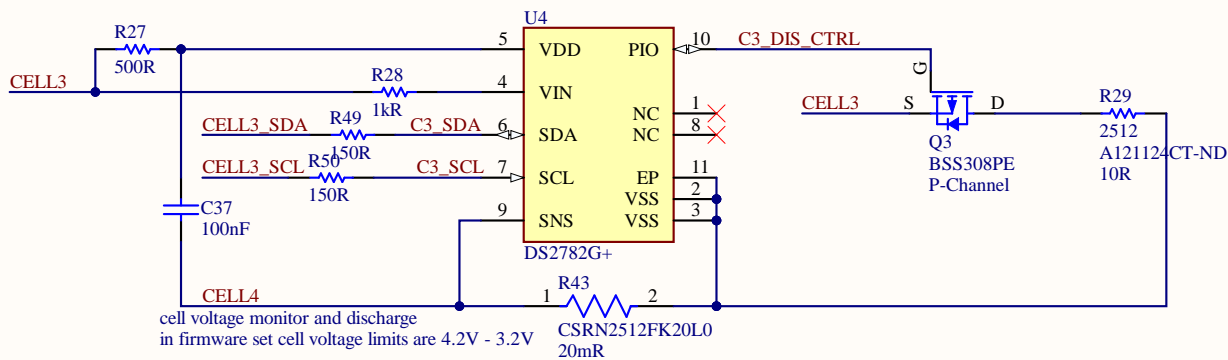
System Voltage

Cell 2 Voltage



| Title | | |
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| Size | Number | Revision |
| A | | |
| Date: | 1/16/2022 | Sheet of |
| File: | C:\Users\...\Cell2_Balancing.SchDoc | Drawn By: |

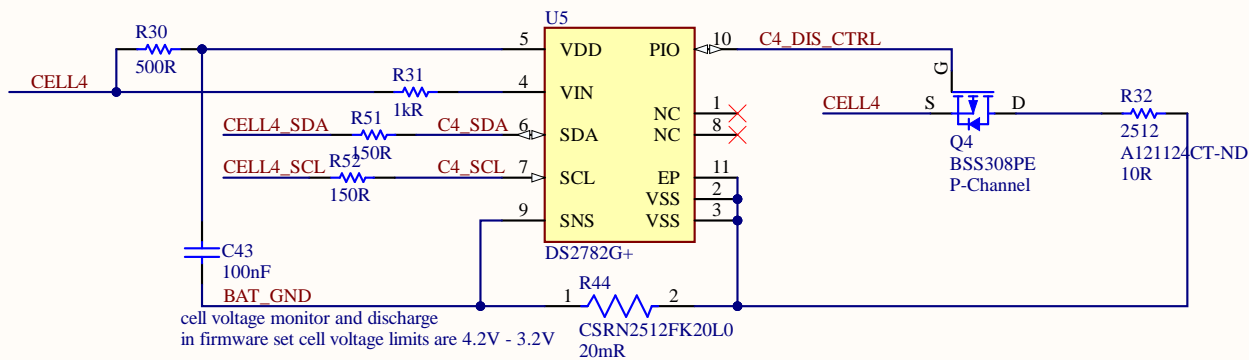
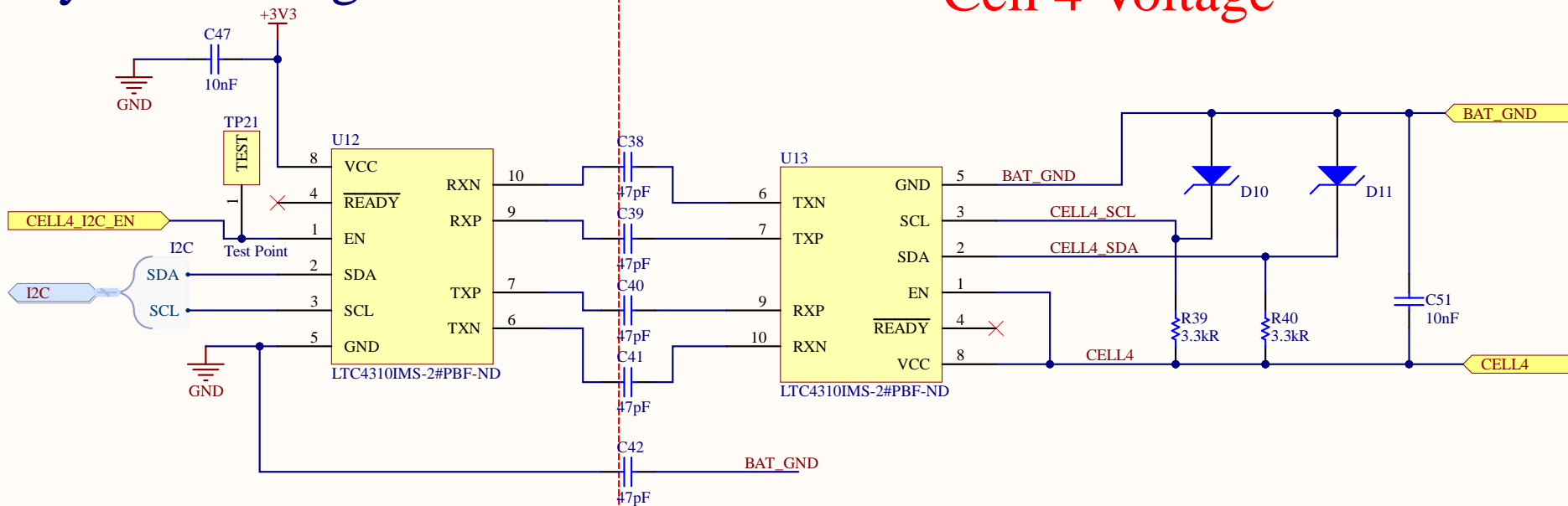
Cell 3 Voltage



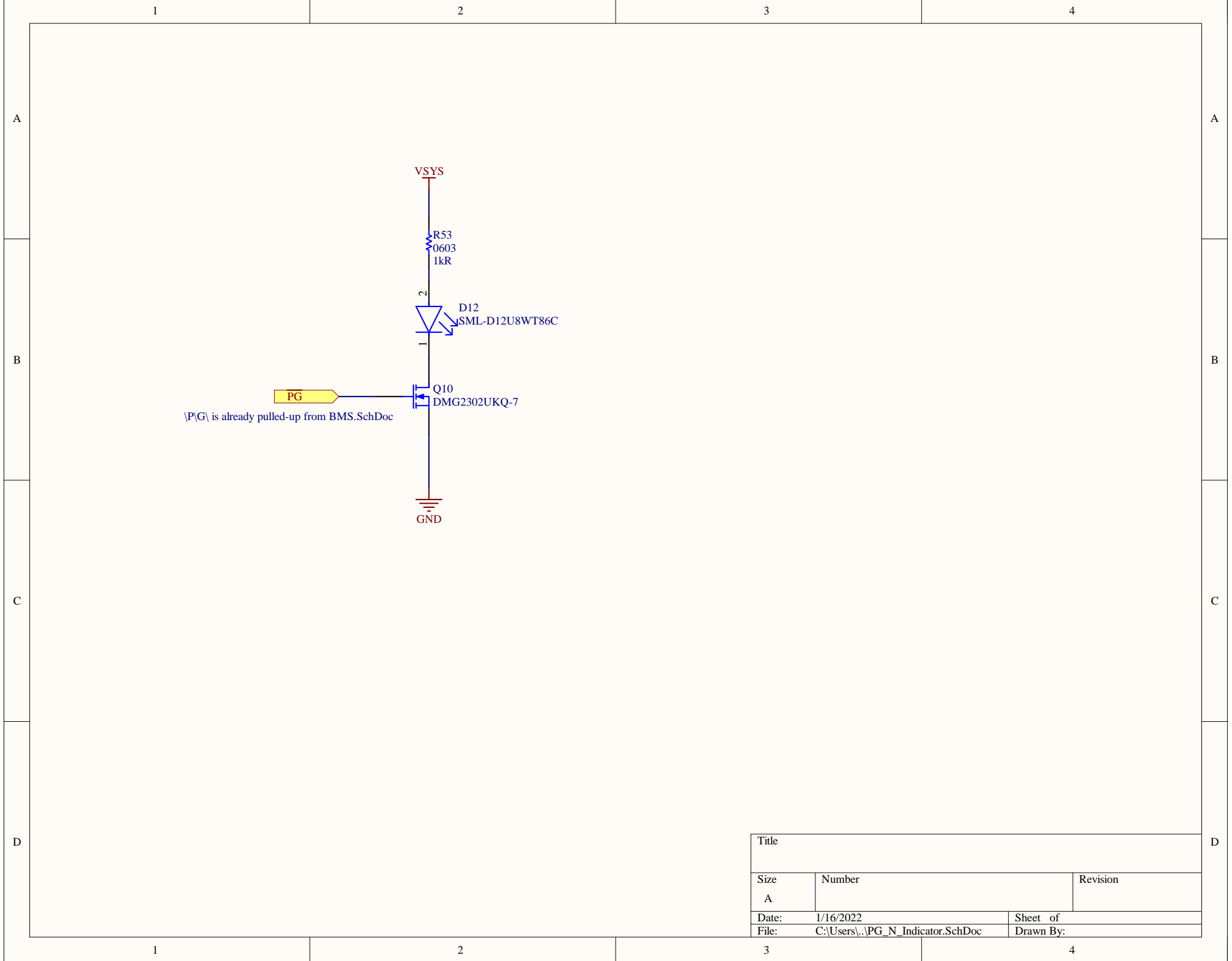
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| Date: | 1/16/2022 | Sheet of |
| File: | C:\Users\...\Cell3_Balancing.SchDoc | Drawn By: |

System Voltage

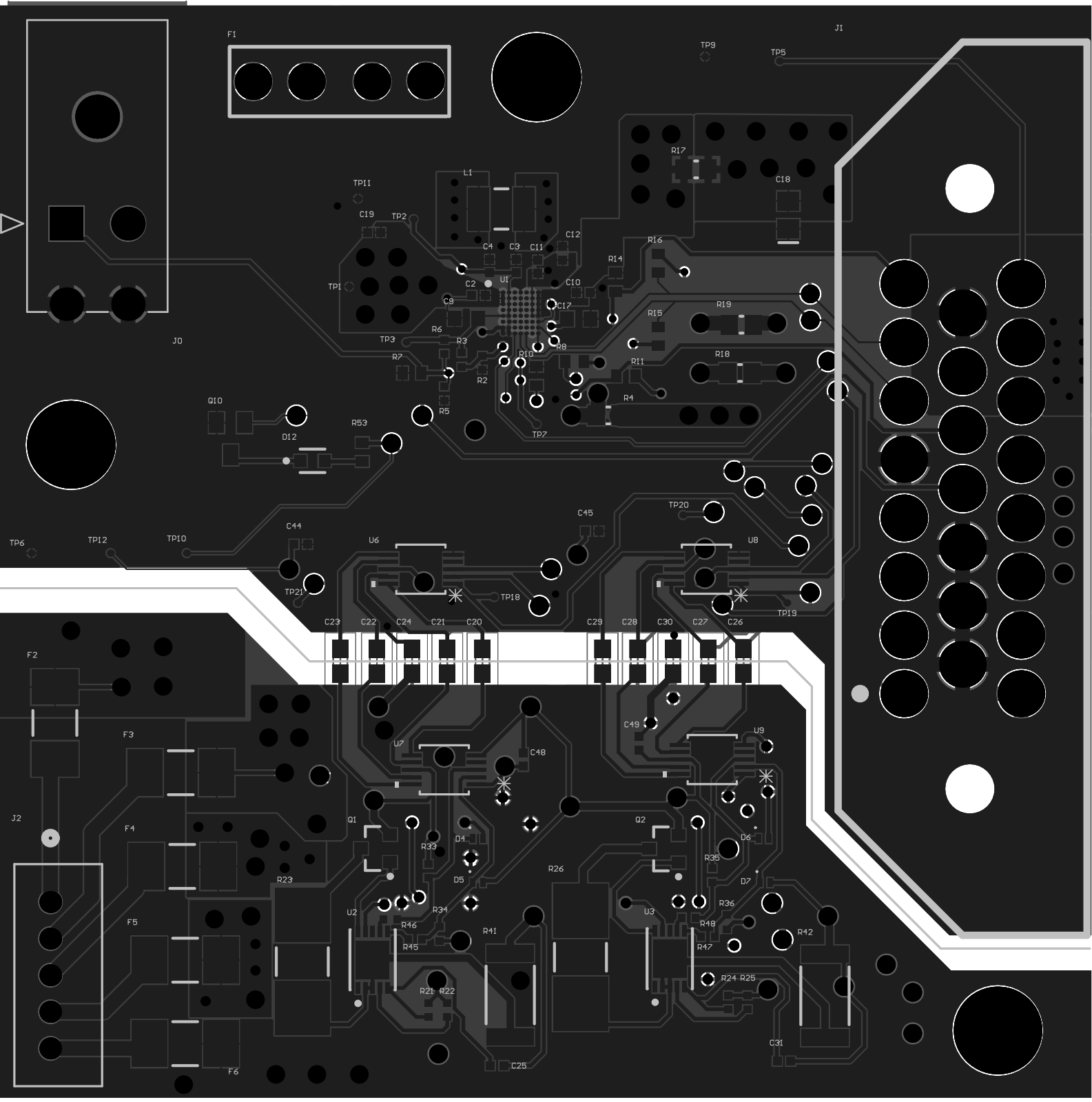
Cell 4 Voltage



| Title | | |
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| Date: | 1/16/2022 | Sheet of |
| File: | C:\Users\...\Cell4_Balancing.SchDoc | Drawn By: |



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