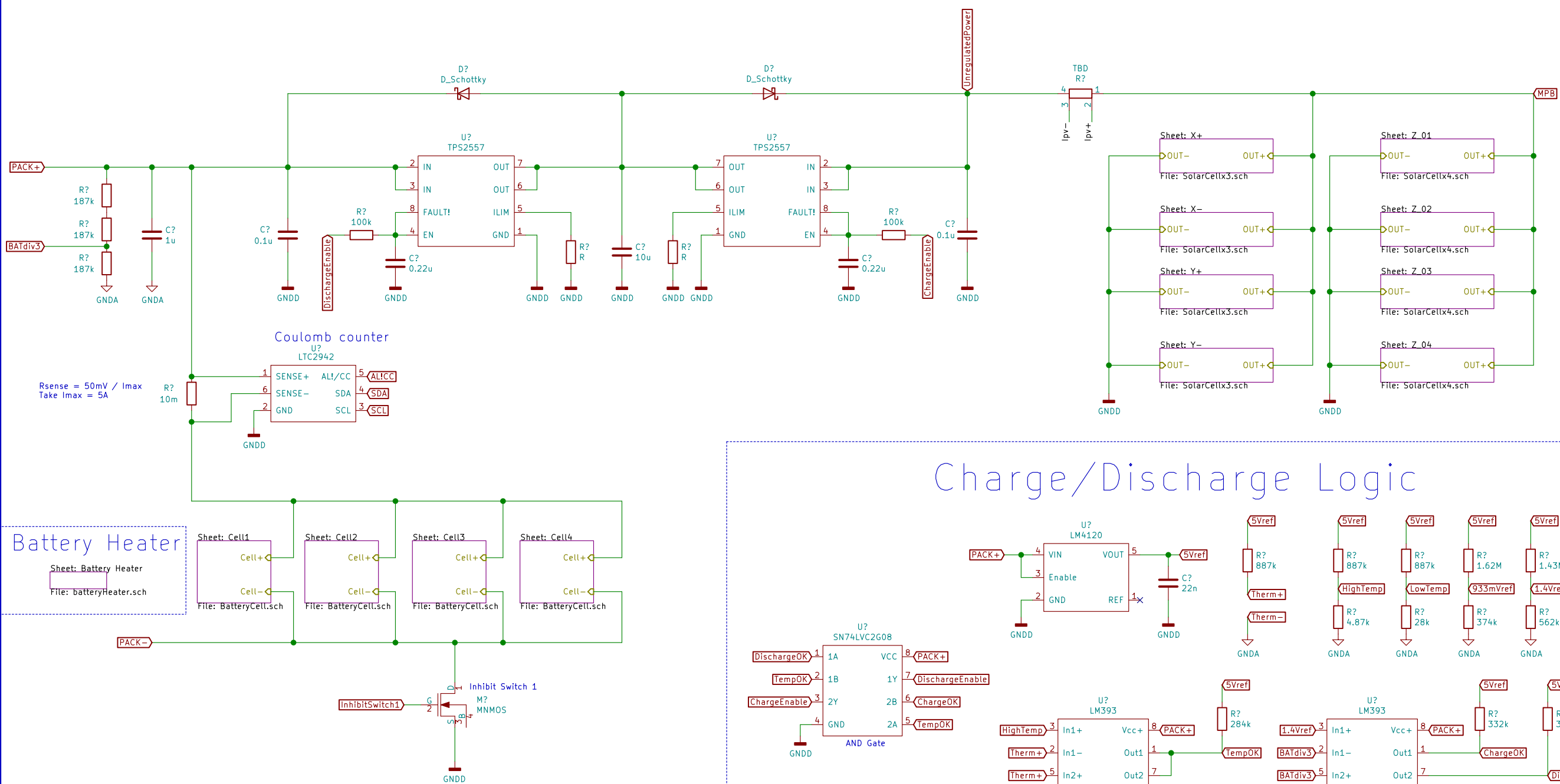
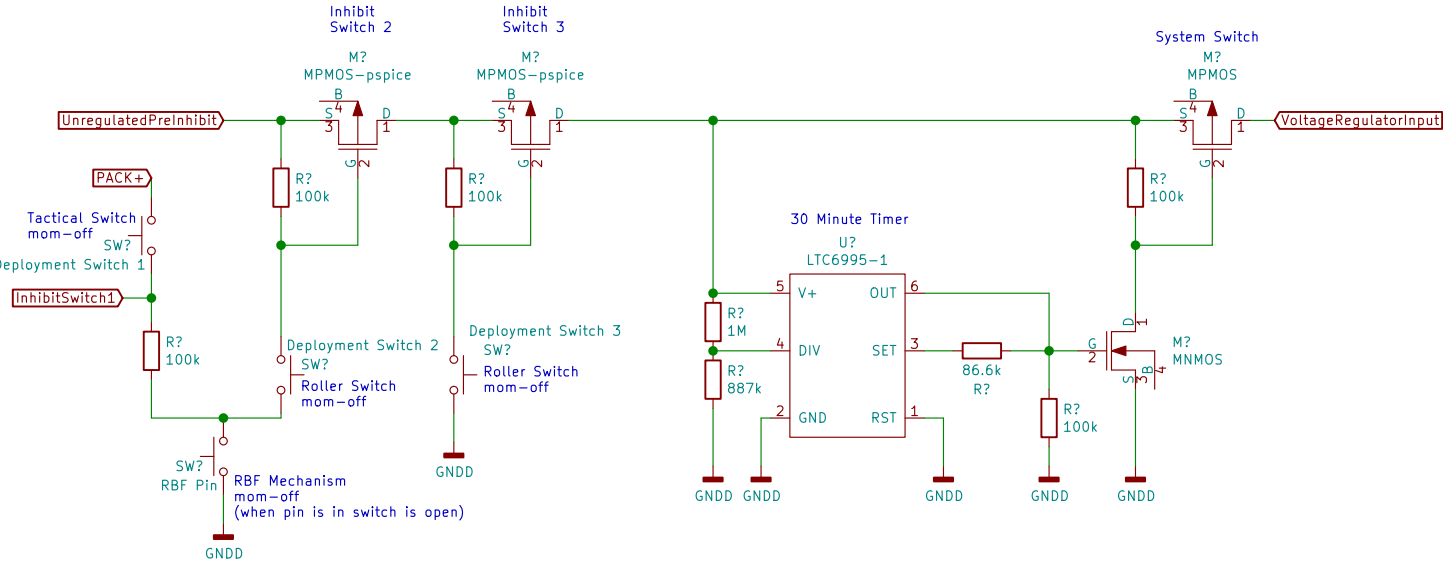


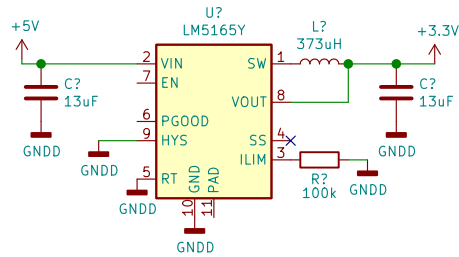
Battery Pack, Battery protection, Charge/Discharge Load Switches and Solar Cells with MPPT



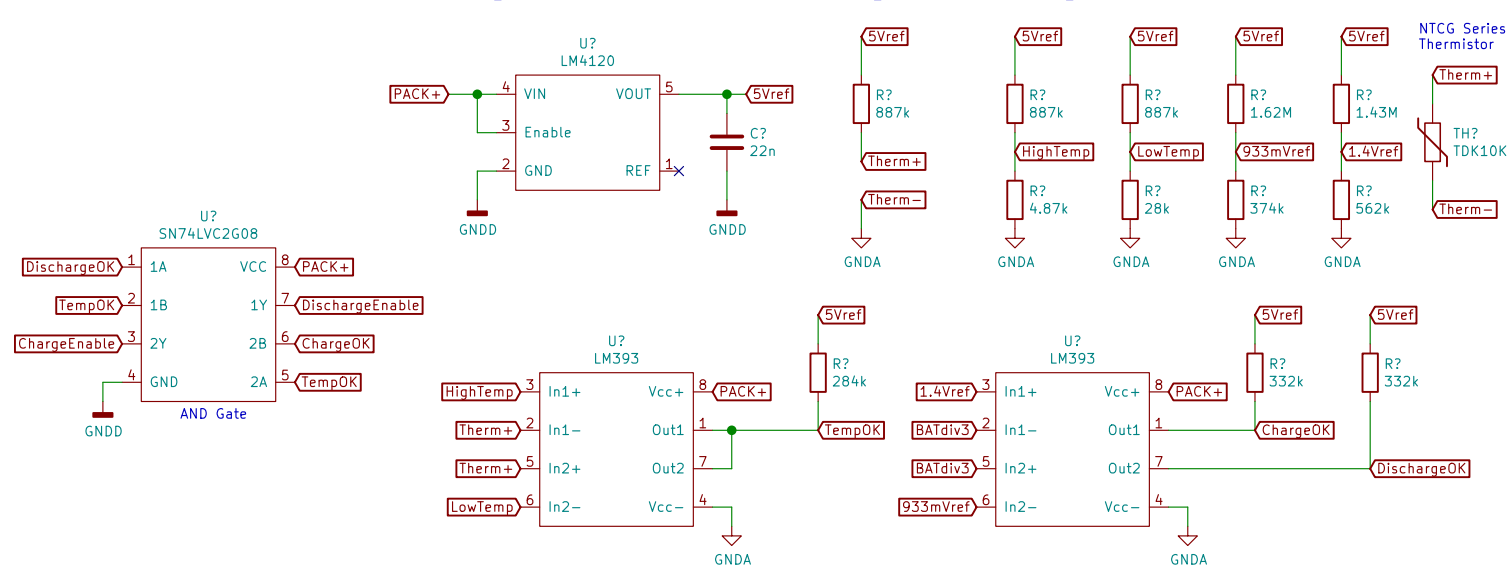
Inhibit Switches, RBF pin and 30 minute timer



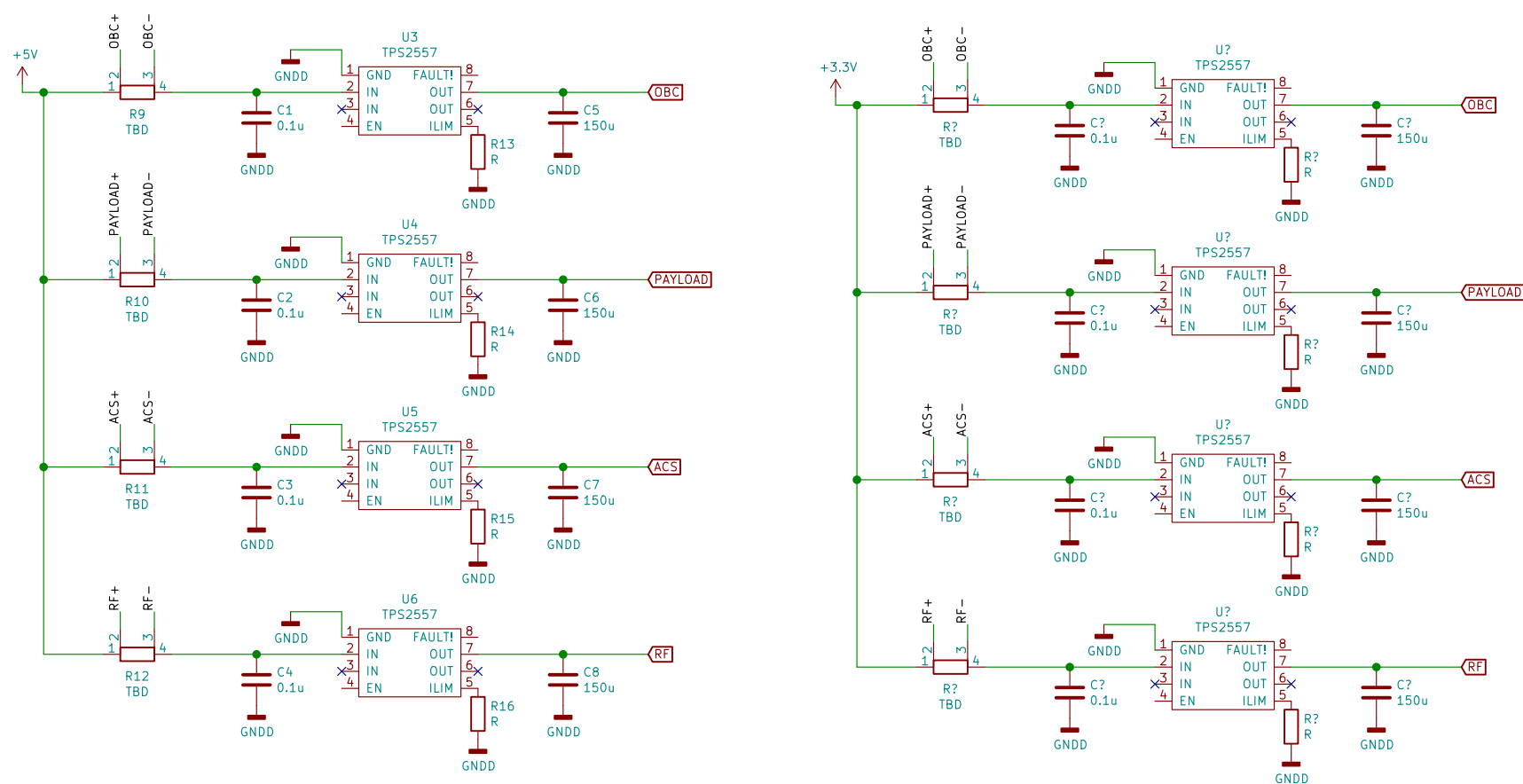
Voltage Regulators



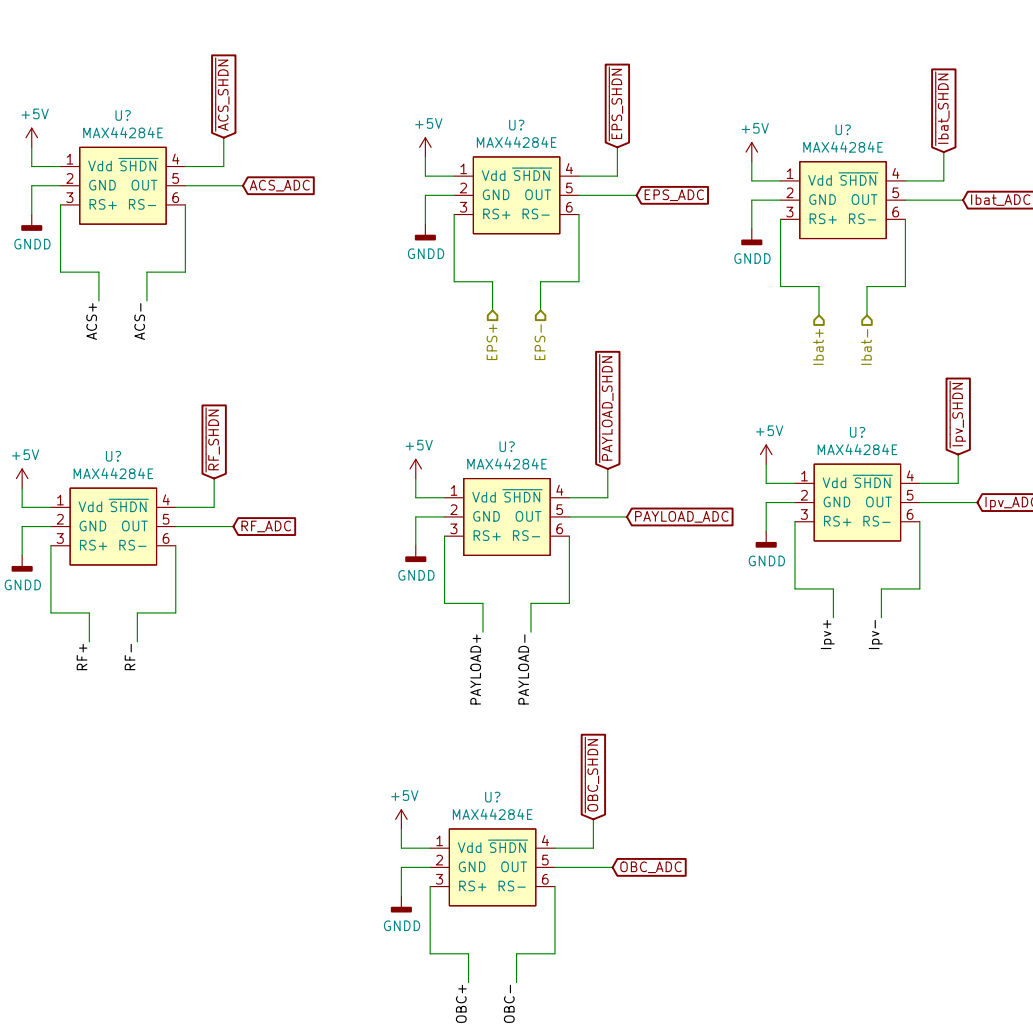
Charge/Discharge Logic



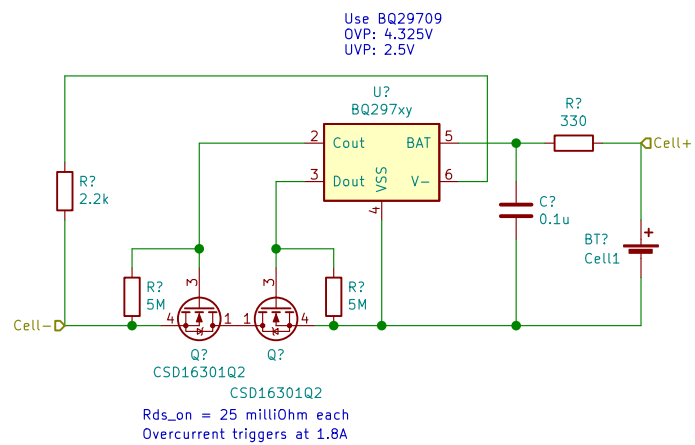
Load Switches



Current Sensing Op Amps



U2 MSP430F5529IPN	
1	P6-4/CB4/A4
2	P6-5/CB5/A5
3	P6-6/CB6/A6
4	P6-7/CB7/A7
5	P7-0/CB8/A12
6	P7-1/CB9/A13
7	P7-2/CB10/A14
8	P7-3/CB11/A15
9	P5-0/AB/VREF+/VREF+
10	P5-1/AB/VREF-/VREF-
11	AVCC1
12	P5-4/XIN
13	P5-5/XOUT
14	AVSS1
15	P8-0
16	P8-1
17	P8-2
18	DVCC1
19	DVSS1
20	VCORE
21	P1-0/TA0CLK/ACK
22	P1-1/TA0-0
23	P1-2/TA0-1
24	P1-3/TA0-2
25	P1-4/TA0-3
26	P1-5/TA0-4
27	P1-6/TA1CLK/CBOUT
28	P1-7/TA1-0
29	P2-0/TA1-1
30	P2-1/TA1-2
31	P2-2/TA2CLK/SMCLK
32	P2-3/TA2-0
33	P2-4/TA2-1
34	P2-5/TA2-2
35	P2-6/RTCLK/DMA0
36	P2-7/UCB0STE/UCAOCLK
37	P3-0/UCB0SMD/UCB0SCL
38	P3-1/UCB0SMD/UCB0SCL
39	P3-2/UCB0CLK/UCAOSTE
40	P3-3/UCAD0TXD/UCAOSSMD
41	P6-3/CB3/A3
42	P6-2/CB2/A2
43	P6-1/CB1/A1
44	P6-0/CB0/A0
45	*RST/NMI/SBWTIO
46	PJ-3/CLK
47	PJ-2/TMS
48	PJ-1/TDI/CLK
49	PJ-0/TDO
50	TEST/SBWTCK
51	P5-3/X12OUT
52	P5-2/X12IN
53	AVSS2
54	V18
55	VUSB
56	VBUS
57	PU-1/D0
58	PUR
59	PU-0/D0
60	VSSU
61	P7-7/TB0CLK/MCLK
62	P7-6/TB0-4
63	P7-5/TB0-3
64	P7-4/TB0-2
65	P5-7/TB0-1
66	P5-6/TB0-0
67	P4-7/PM_NONE
68	P4-6/PM_NONE
69	P4-5/PM_UCAI0RXD/PM_UCAI0SMD
70	P4-4/PM_UCAI0TXD/PM_UCAI0SMD
71	DVCC2
72	DVSS2
73	P4-3/PM_UCB1CLK/PM_UCB1STE
74	P4-2/PM_UCB1SMD/PM_UCB1SCL
75	P4-1/PM_UCB1SMD/PM_UCB1SCL
76	P4-0/PM_UCB1STE/PM_UCB1CLK
77	P3-7/TB0OUTH/SVOUT
78	P3-6/TB0-6
79	P3-5/TB0-5
80	P3-4/UCAO0RXD/UCAO0SMD



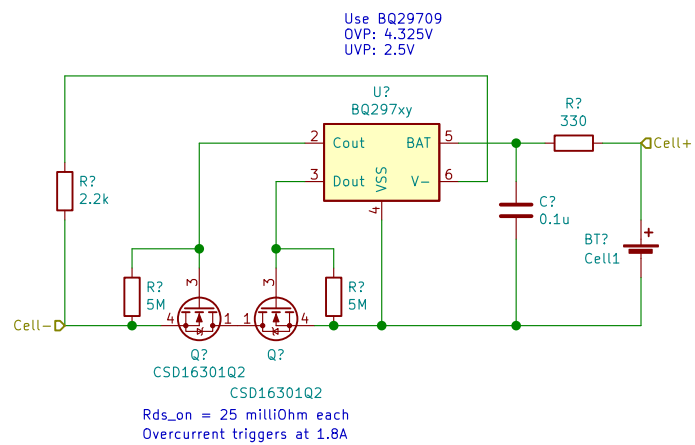
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Size: A4
KiCad E.D.A. kicad (5.1.5)-3

Date:

Rev:
Id: 2/14



Sheet: /Cell2/
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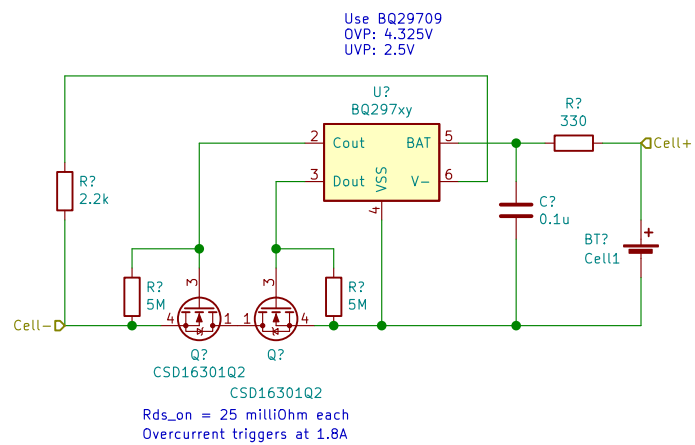
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KiCad E.D.A. kicad (5.1.5)-3

Rev:

Id: 3/14



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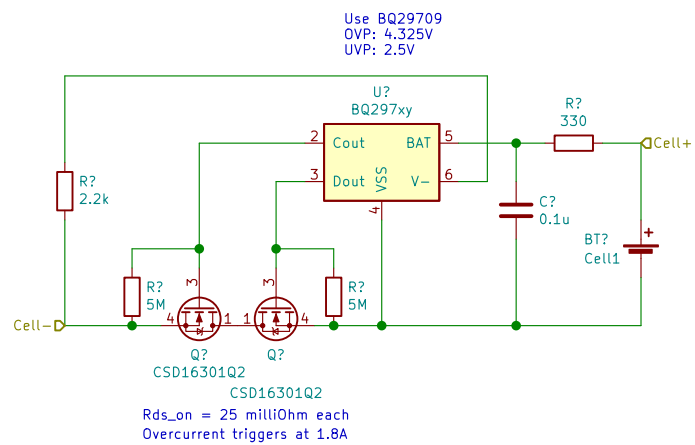
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Id: 4/14



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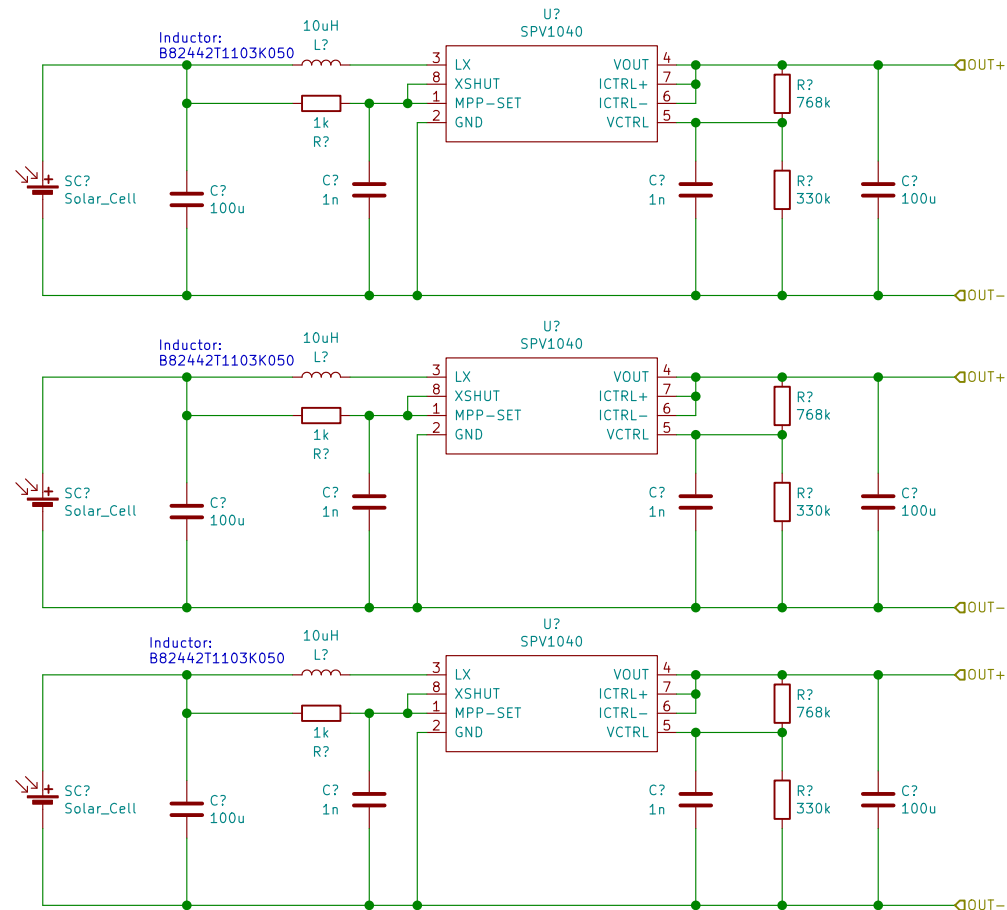
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Rev:

Id: 5/14



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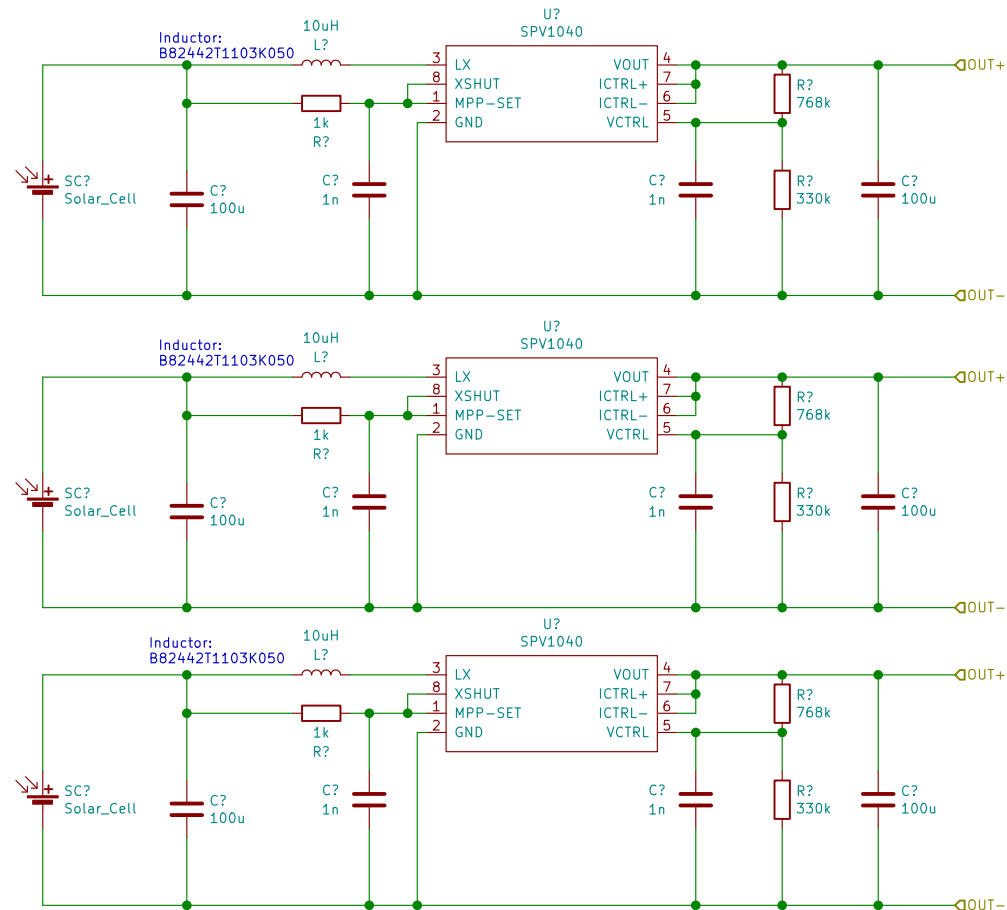
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Rev:

Id: 7/14



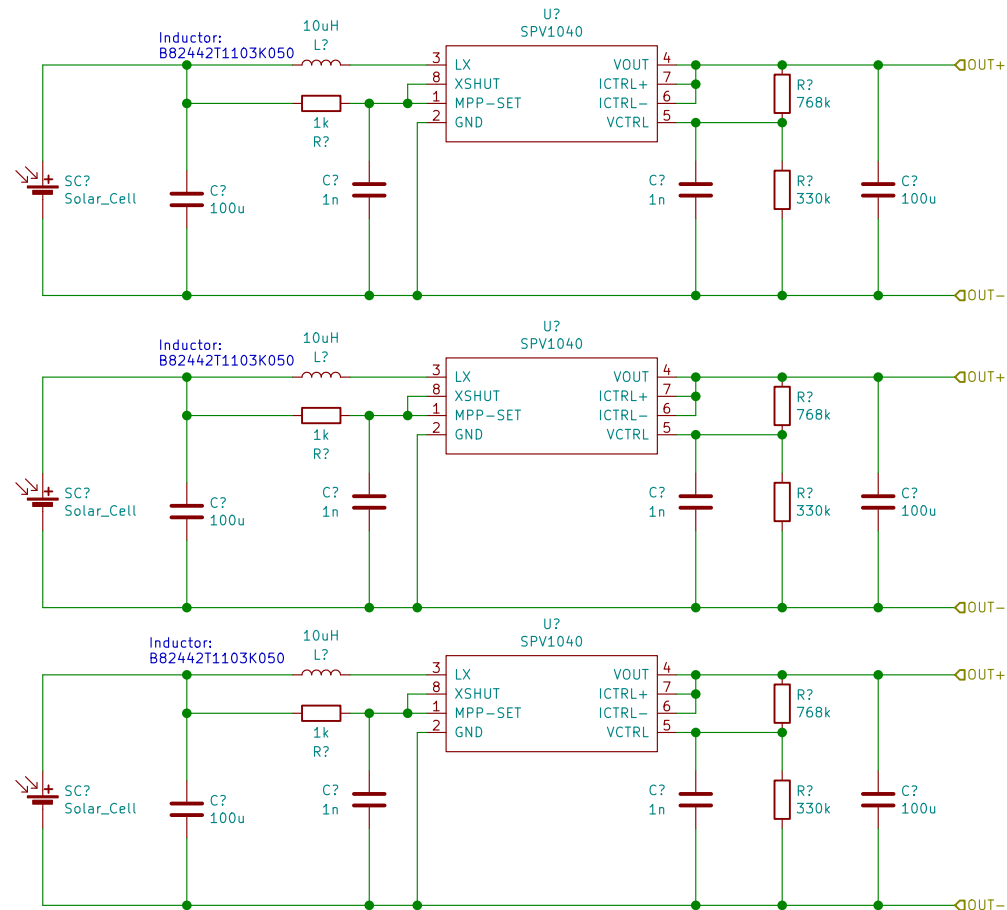
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Rev:
Id: 8/14



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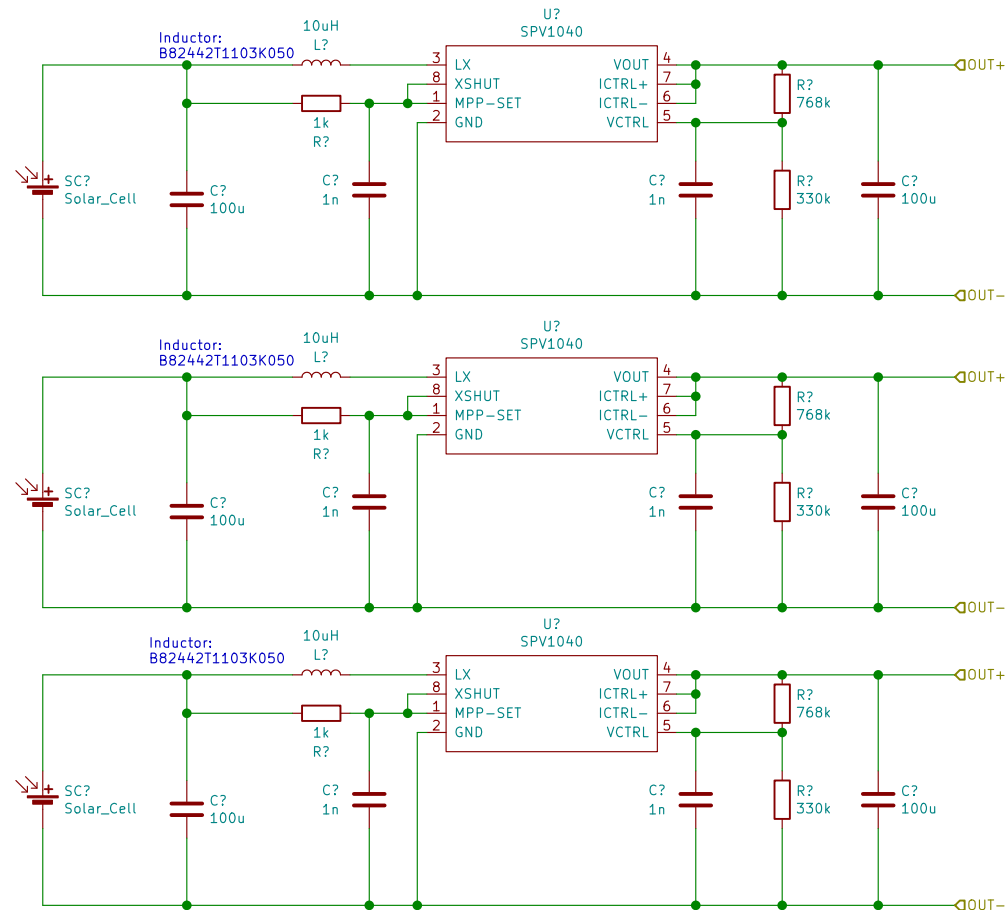
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Rev:

Id: 9/14



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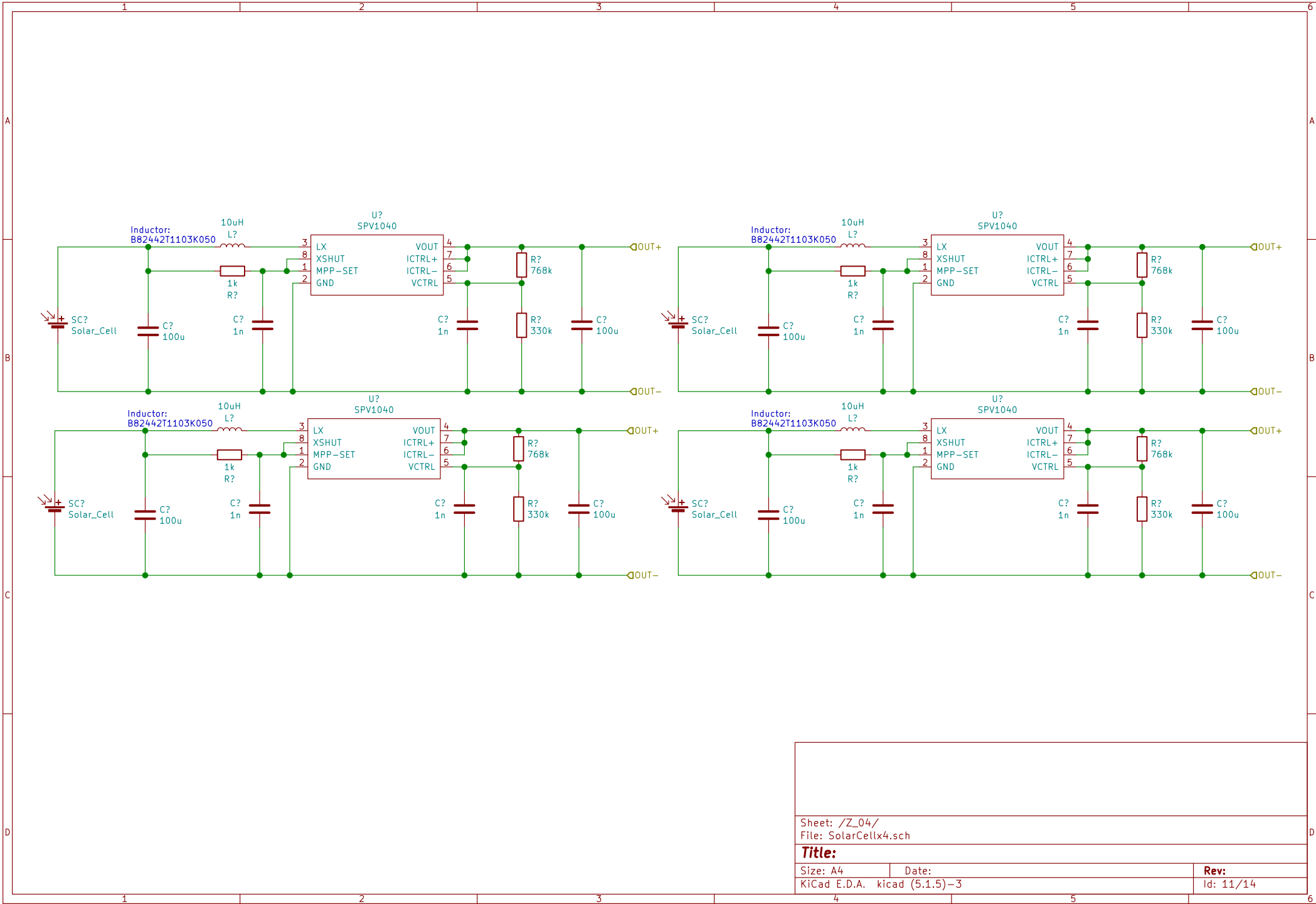
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Rev:

Id: 10/14



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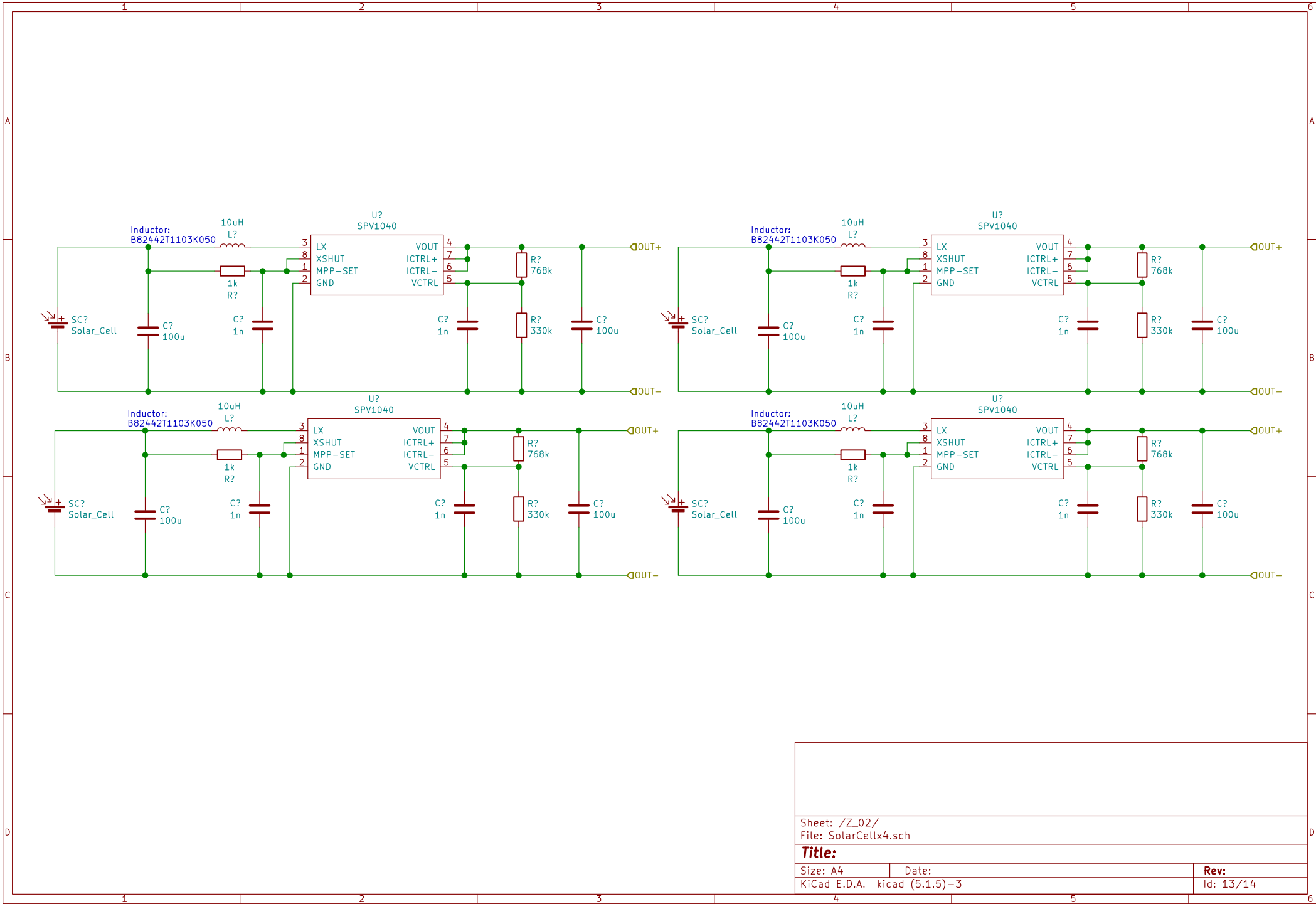
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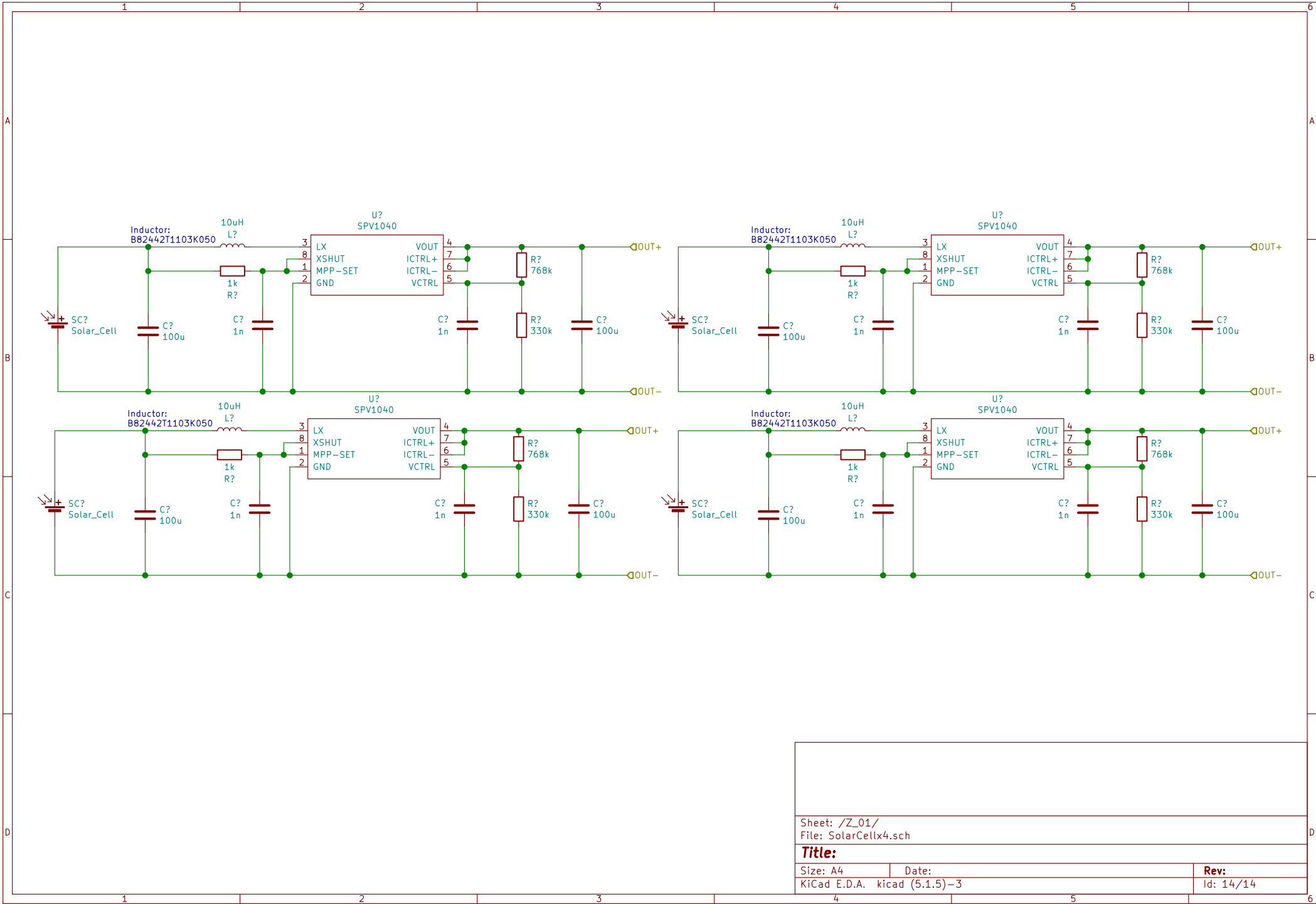
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Rev:

Id: 13/14



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Rev:

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