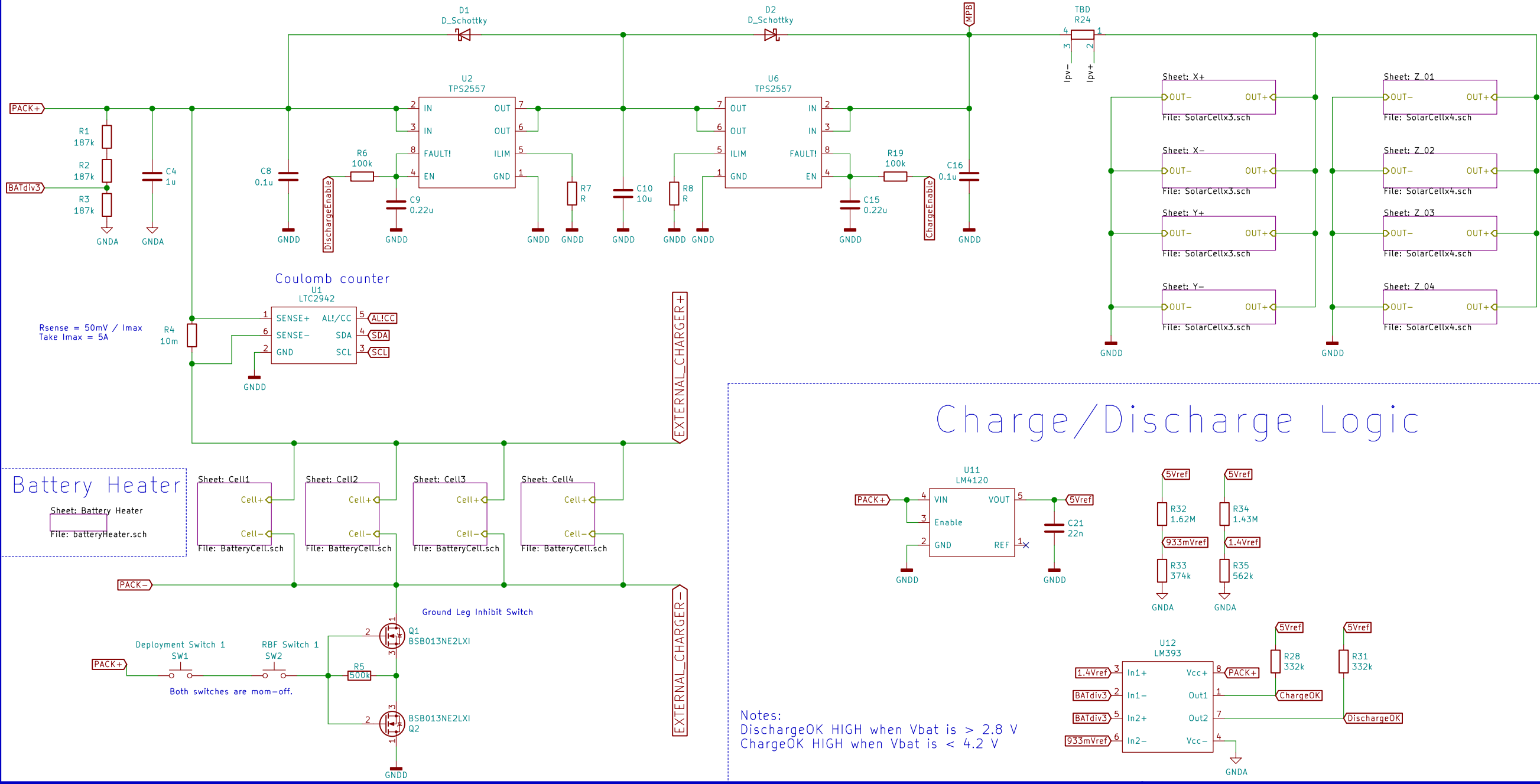
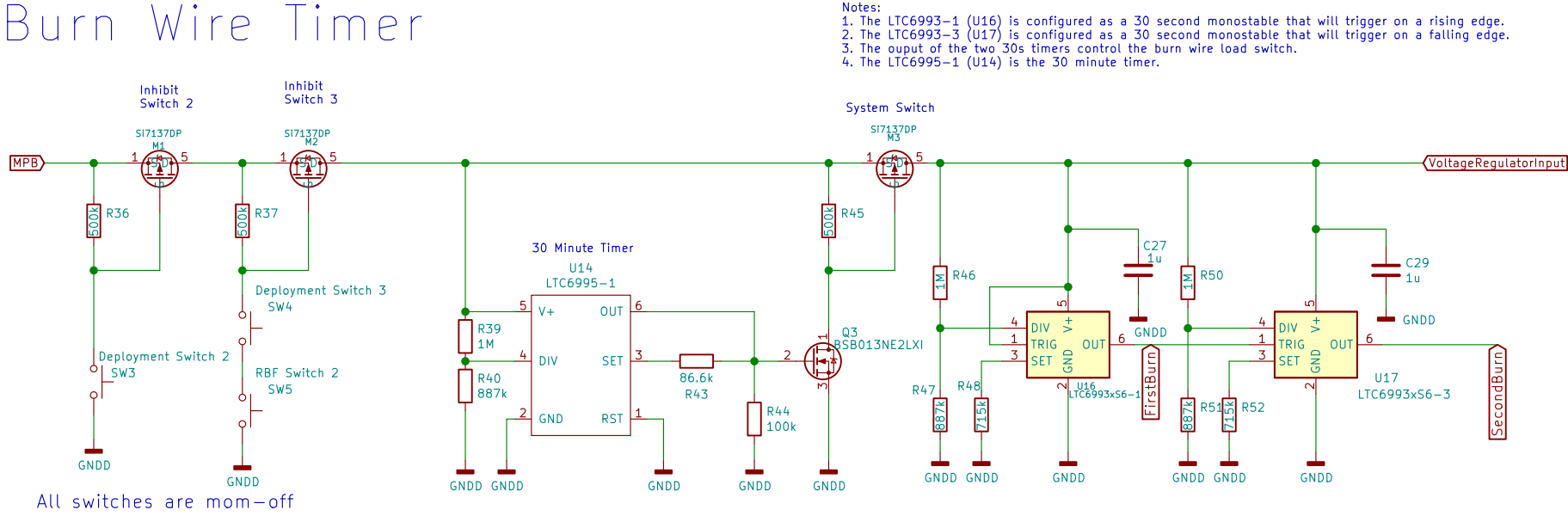


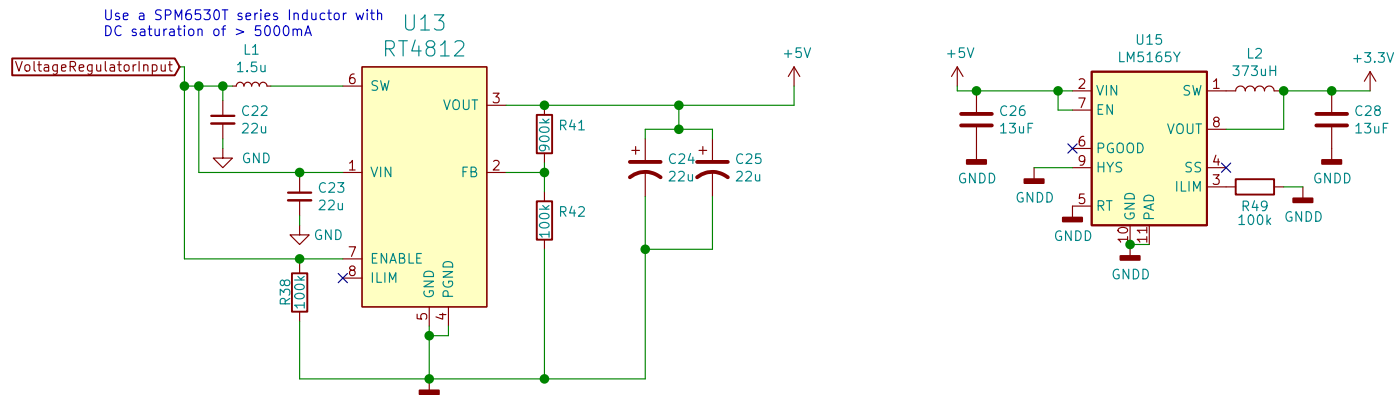
Battery Pack, Battery protection, Charge/Discharge Load Switches and Solar Cells with MPPT



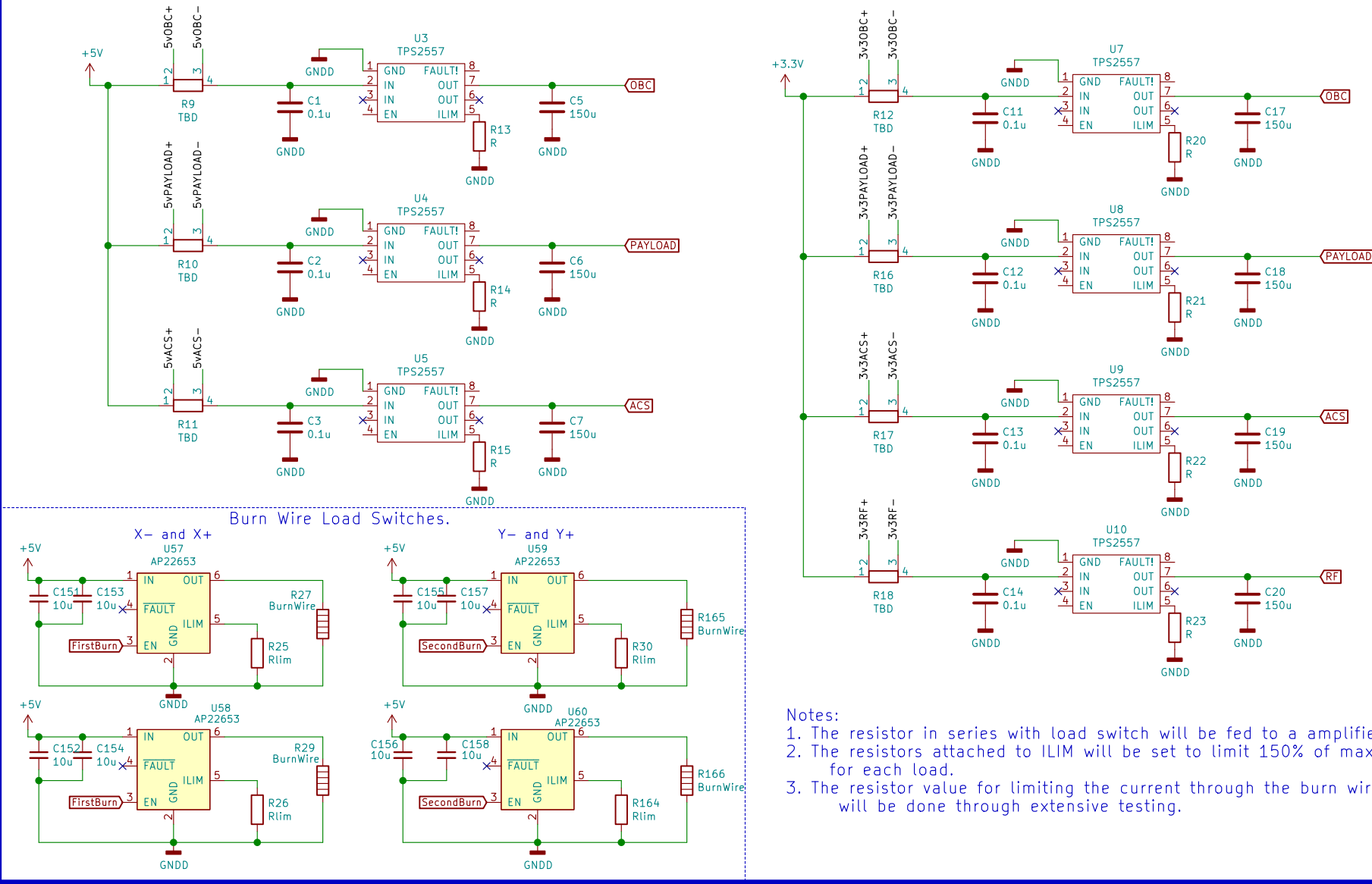
Inhibit Switches, RBF pin, 30 minute timer  
Burn Wire Timer



Voltage Regulators

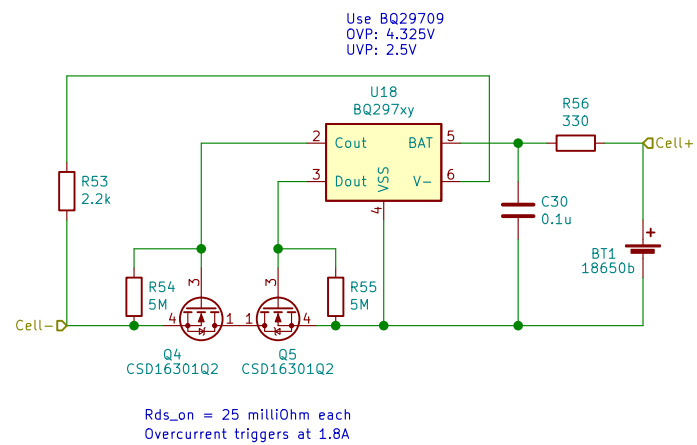


Load Switches



Current Sensing Op Amps (Will be selected once closer to flatsat)

- Notes:
1. The resistor in series with load switch will be fed to an amplifier.
  2. The resistors attached to ILIM will be set to limit 150% of max current for each load.
  3. The resistor value for limiting the current through the burn wire will be done through extensive testing.



Sheet: /Cell1/  
File: BatteryCell.sch

**Title:**

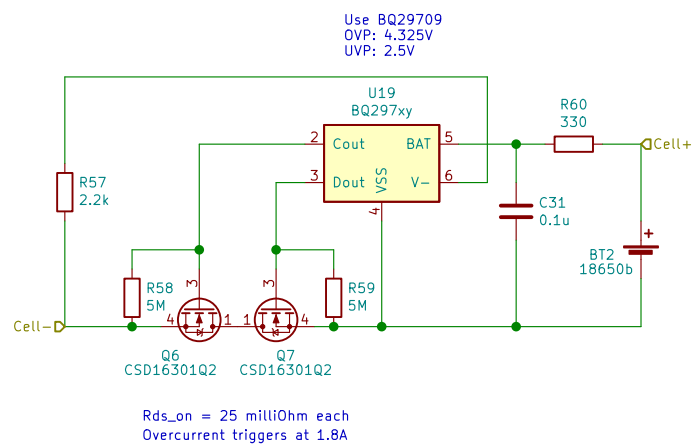
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Date:

KiCad E.D.A. kicad (5.1.5)-3

**Rev:**

Id: 2/14



Sheet: /Cell2/  
File: BatteryCell.sch

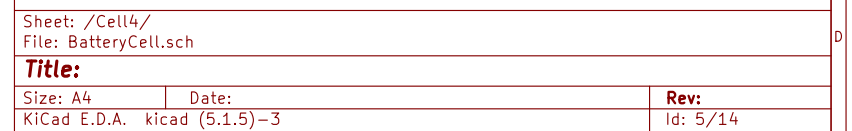
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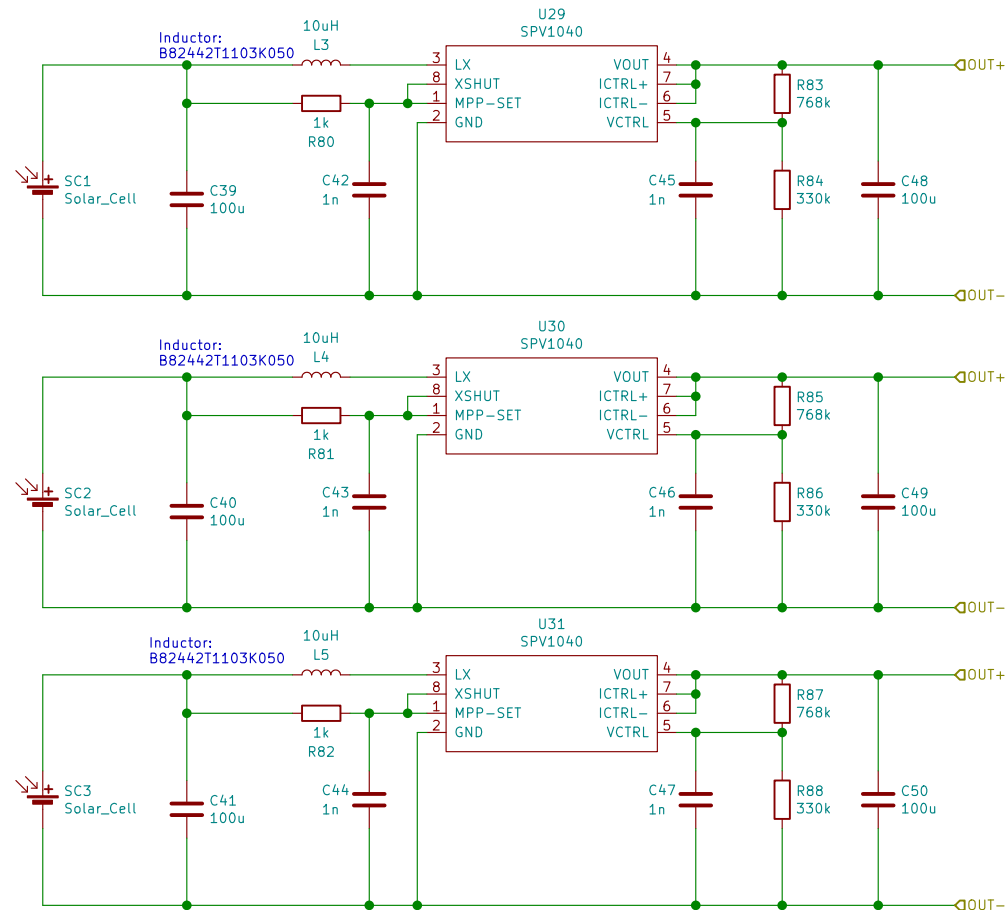
Date:

**Rev:**  
Id: 3/14









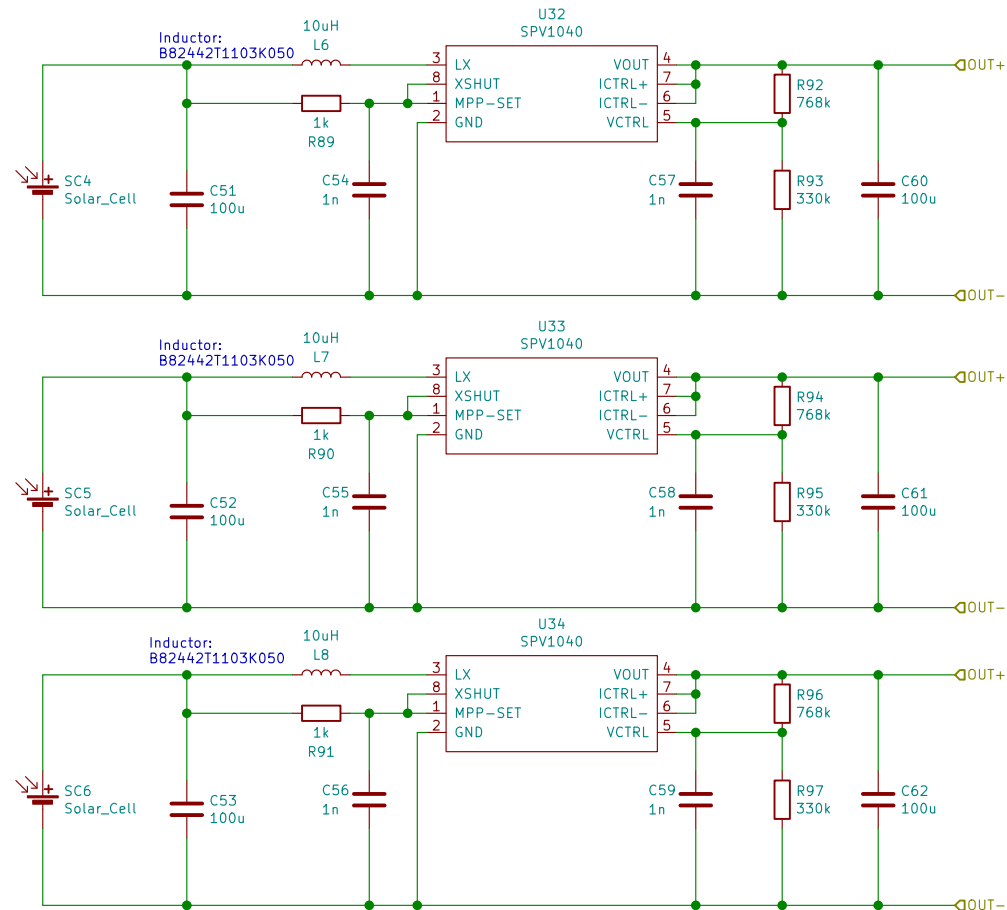
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**Title:**

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Date:

Rev:  
Id: 7/14



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File: SolarCellx3.sch

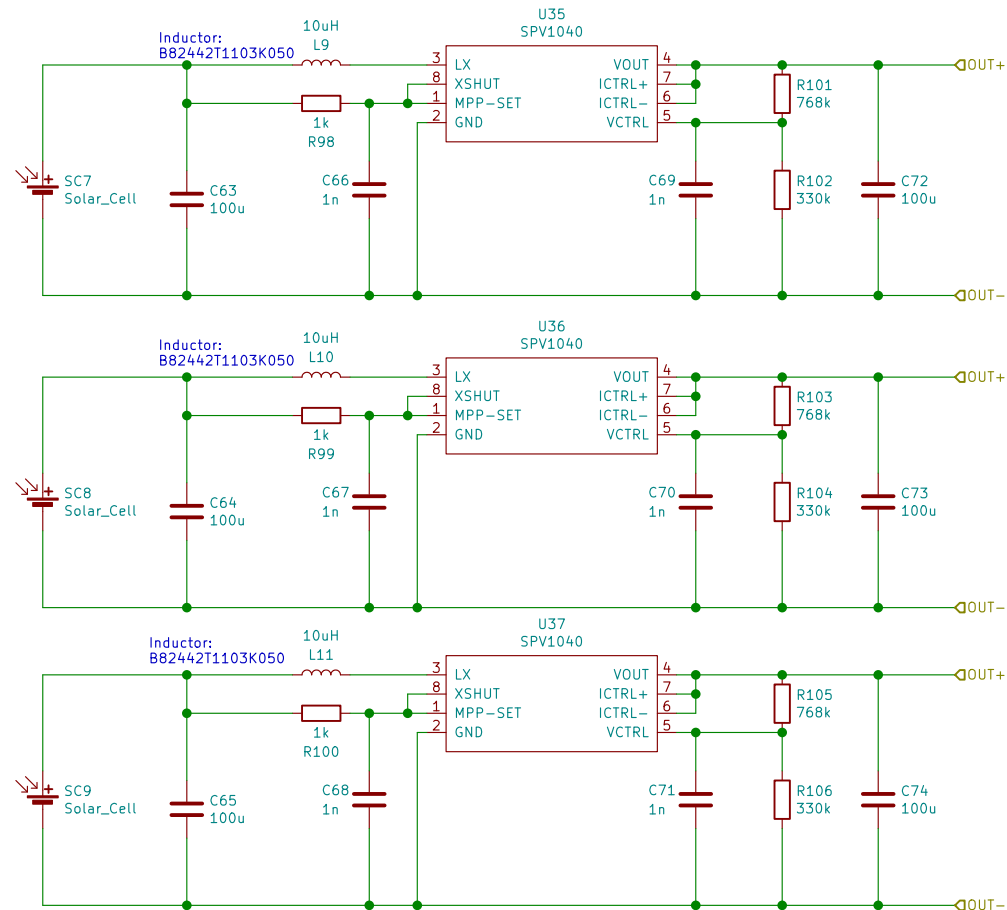
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Date:

Rev:  
Id: 8/14





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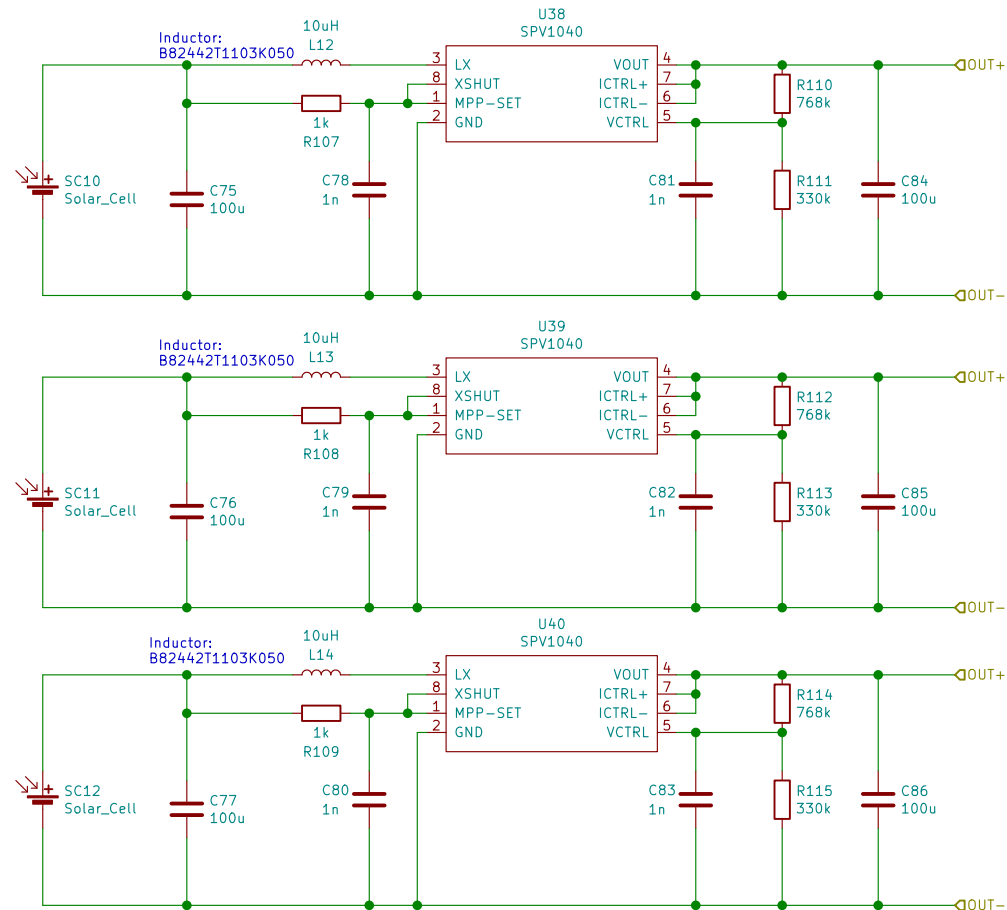
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**Rev:**

Id: 9/14



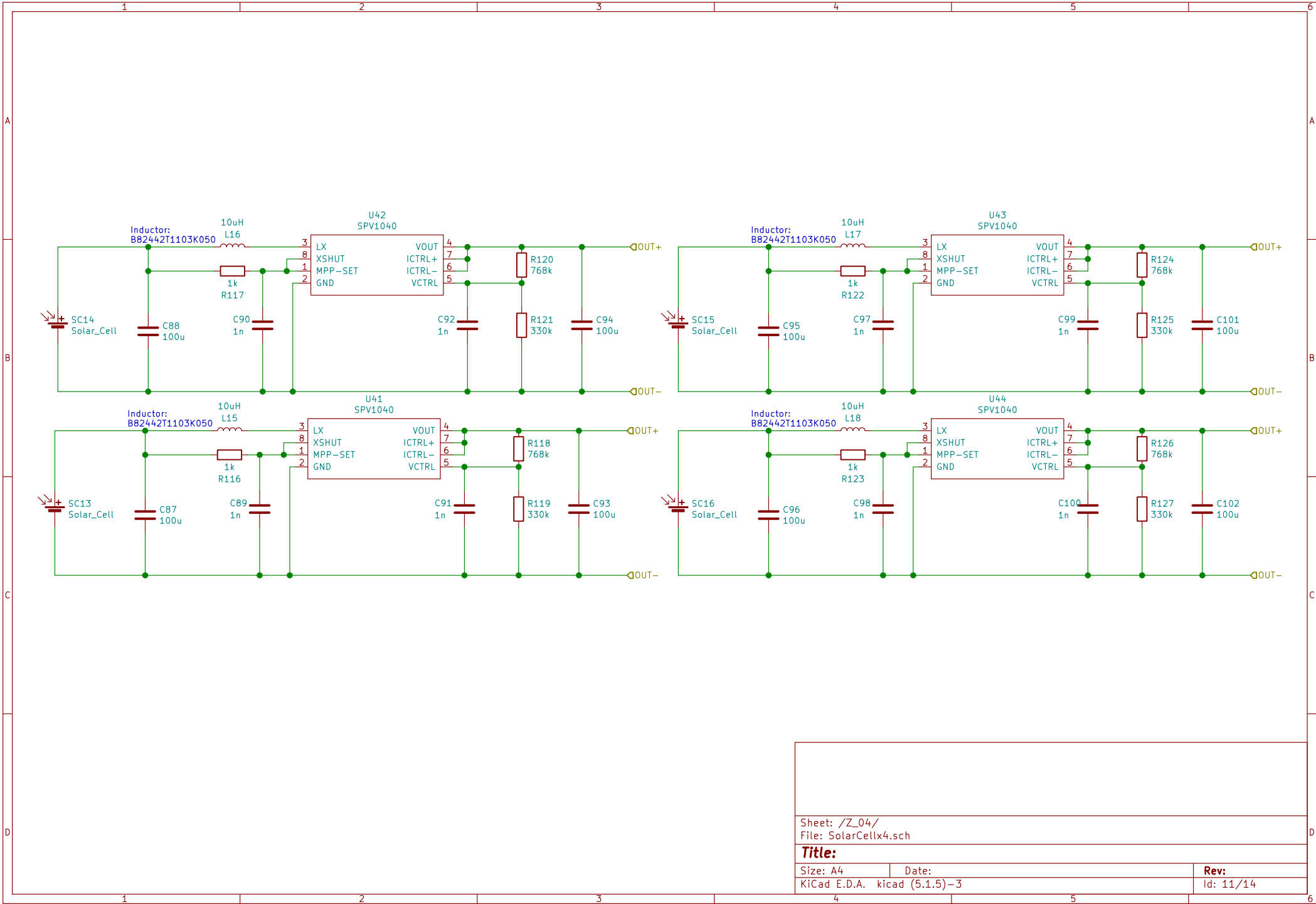
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Date:

Rev:  
Id: 10/14



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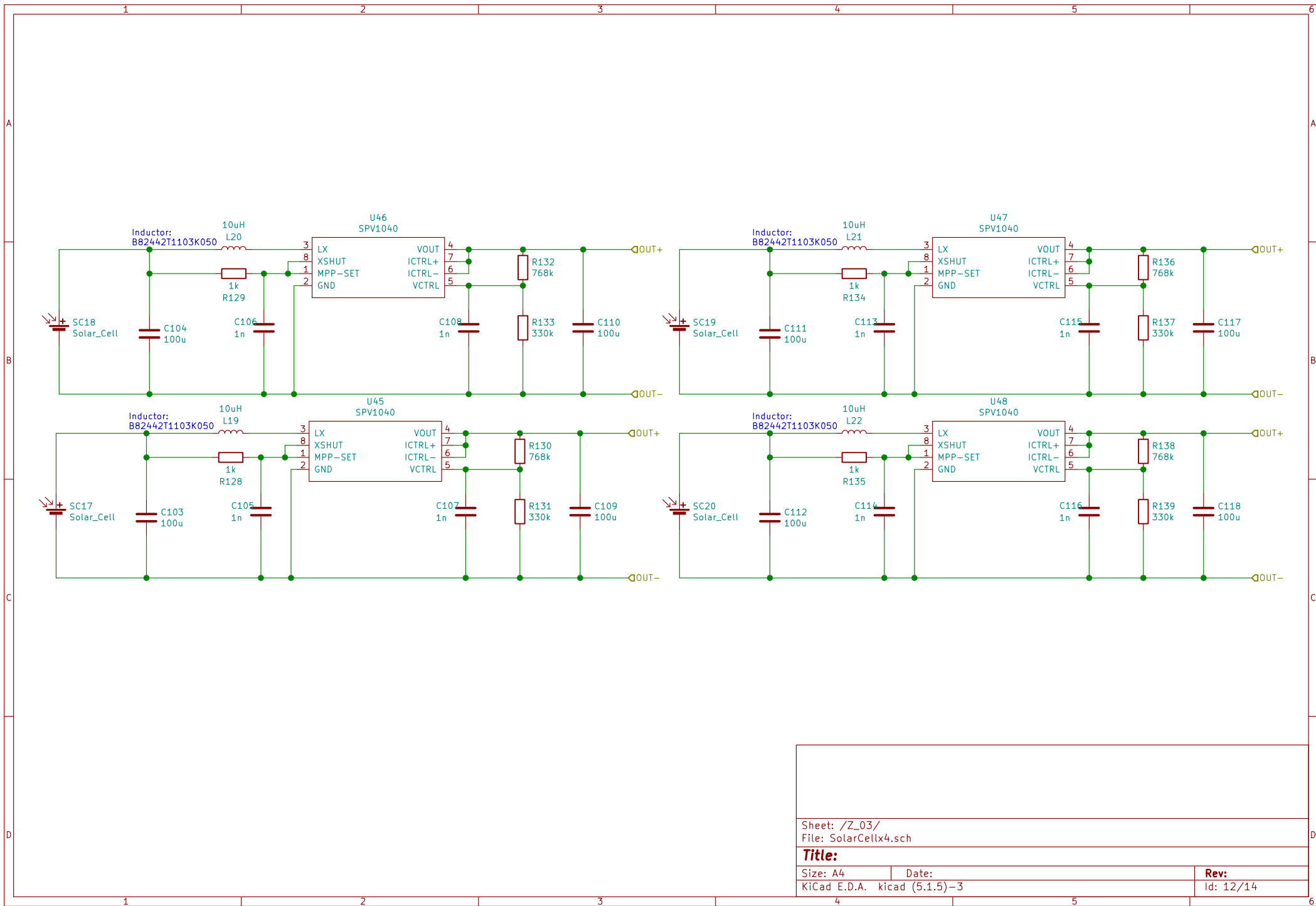
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**Rev:**

Id: 11/14



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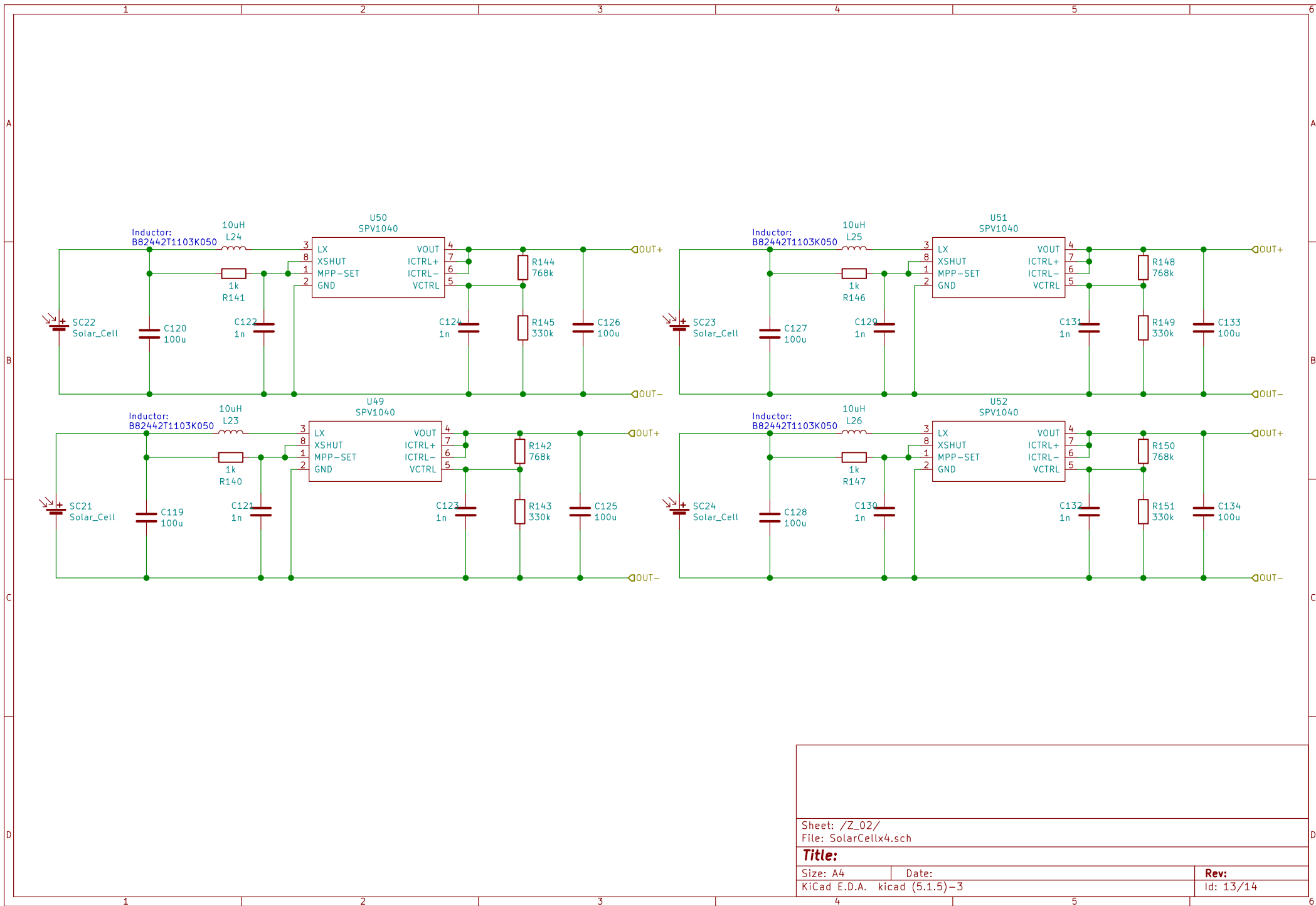
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Date:

**Rev:**

Id: 12/14



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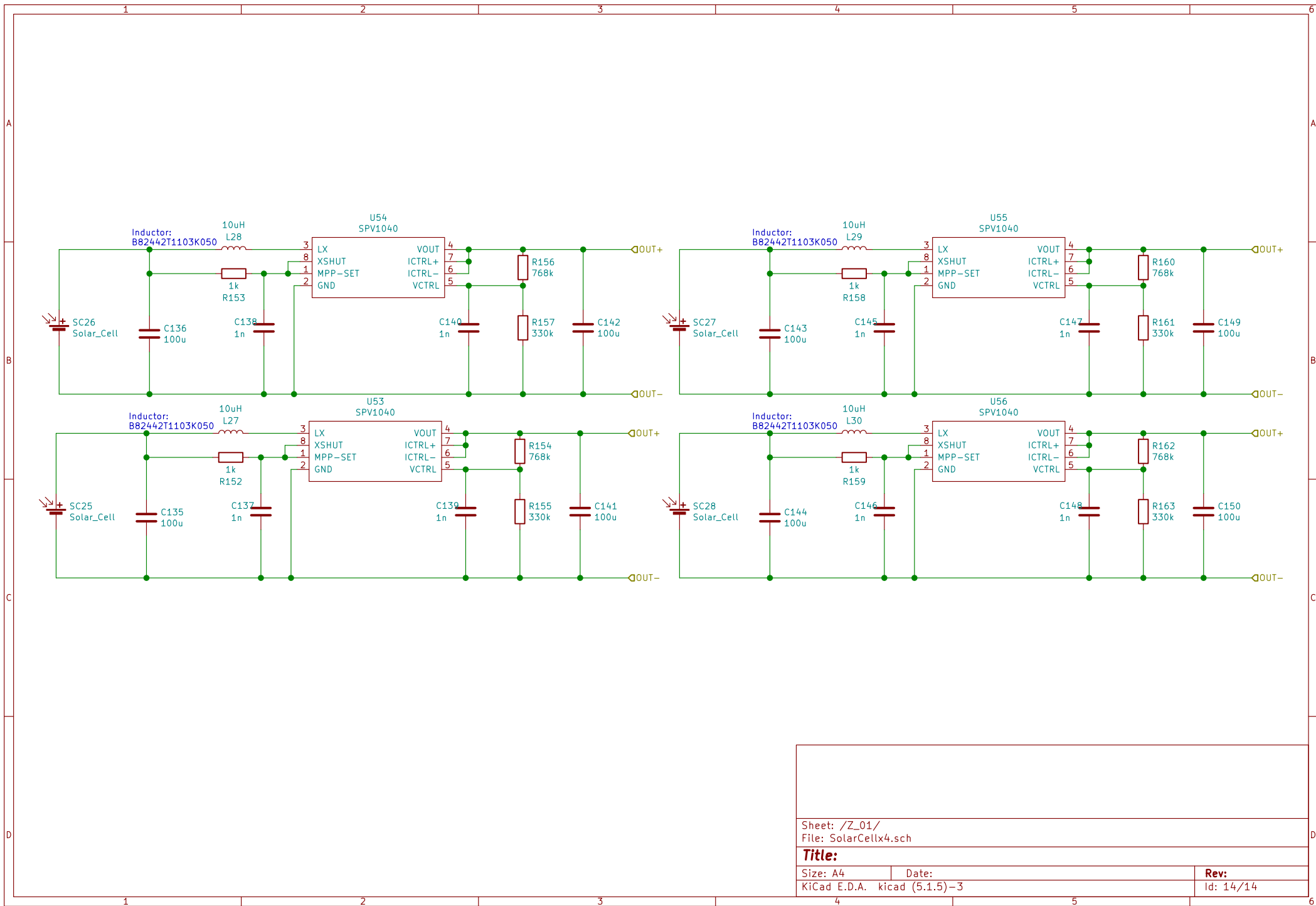
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Rev:

Id: 13/14



Sheet: /Z\_01/  
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Date:

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**Rev:**

Id: 14/14