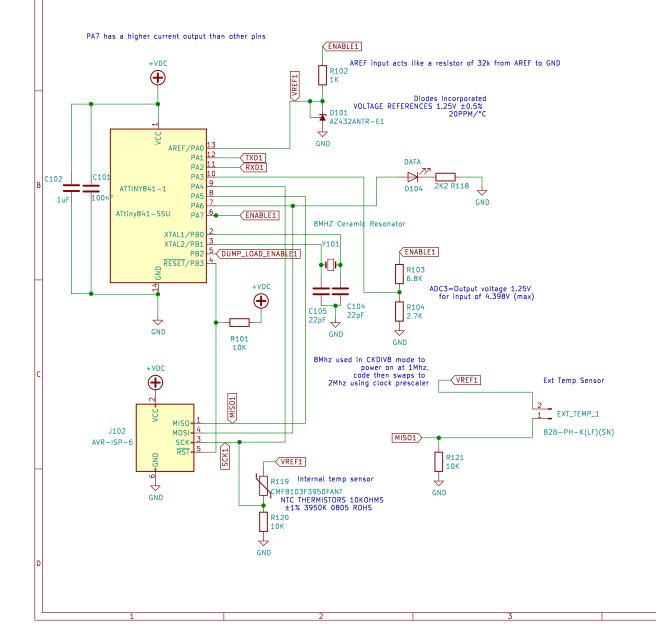
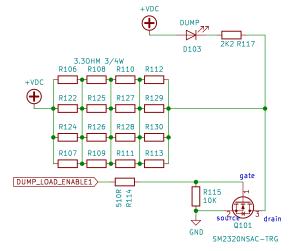
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DIYBMS v4 CELL MONITORING MODULE for the +ve Leaf terminal VERSION 4.40





CHIP RESISTOR — SURFACE MOUNT 3.30HMS ±1% 3/4W 1210 ROHS, 4 in series with 4 in parallel gives 3.30 Ohm equivalent resistance 16 resistors provide 16*0.75W=12W of power dissipation. Balance current:
1.27A at 4.2V and 5.35W power
1.21A at 4.0V and 4.84W power

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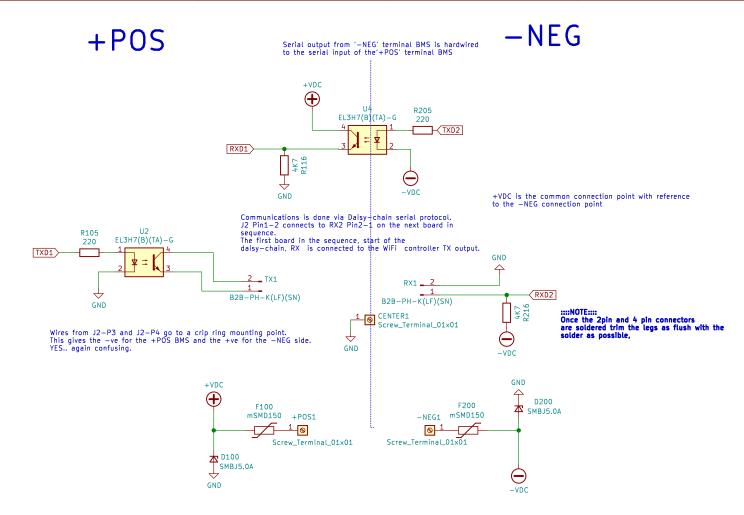
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1.13A at 3.75V and 4.26W power

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The Leaf cell is 2s2P with 3 connection terminals, +ve common -ve Voltage on one pack is measured between the -ve terminal and common. The voltage on the second pack measures between he +ve terminal and common.

For schematic and layout purposes there are uniquely names VCC lines and GND lines for the separated BMS circuits. YES... confusing

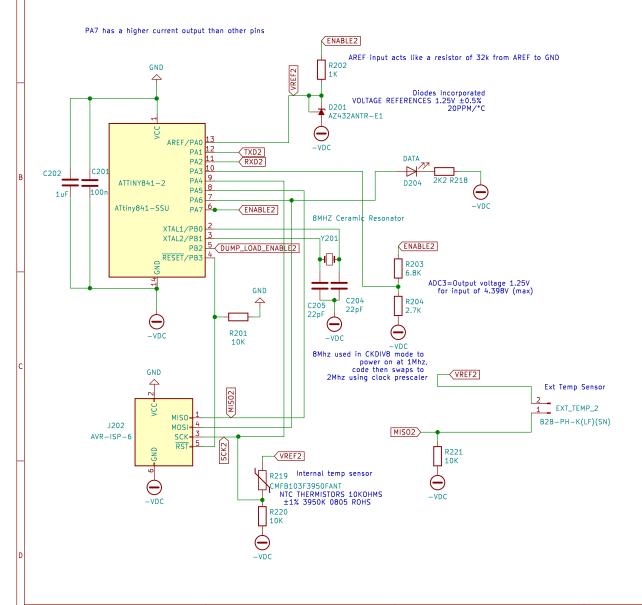
Each BMS is has its own supply:

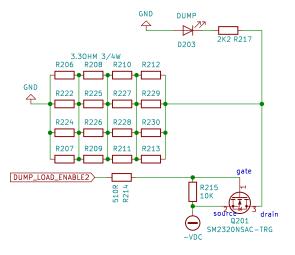
- +ve terminal common (common is negative)
- -ve terminal common (`common is positive)

mSMD150, 8V MAX, FUSE HOLD @ 1.5AMP, TRIP 3A

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Sheet: /Power and Comm/ File: file5DF129FA.kicad_sch		
Title: diyBMSv4 — LEAF		
Size: A4 Date: 2021-03	5-07	Rev: 2.00
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DIYBMS v4 CELL MONITORING MODULE for the +ve Leaf terminal VERSION 4.40





CHIP RESISTOR — SURFACE MOUNT 3.30HMS ±1% 3/4W 1210 ROHS, 4 in series with 4 in parallel gives 3.30 Ohm equivalent resistance 16 resistors provide 16*0.75W=12W of power dissipation. Balance current:
1.27A at 4.2V and 5.35W power
1.21A at 4.0V and 4.84W power
1.33A at 3.75V and 4.26W power

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