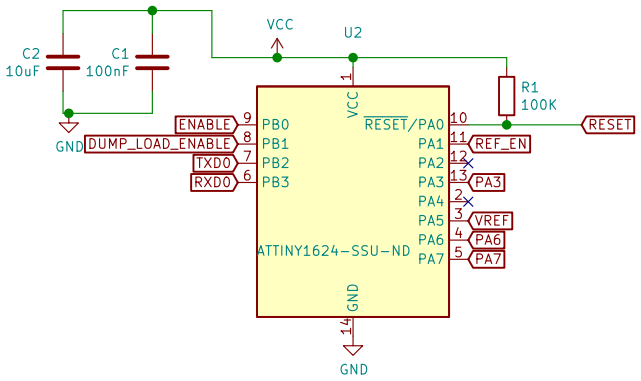
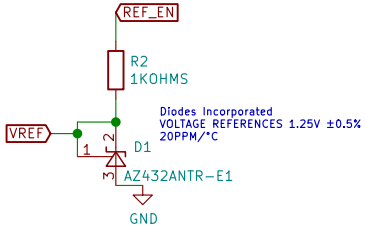
DIYBMS v4 CELL MONITORING MODULE

VERSION 4.50 – NOTE CHANGE TO ATTINY1624 MICRO CONTROLLER

FOR LITHIUM VOLTAGE RANGES (18650 etc.) 2.0V – 4.2V



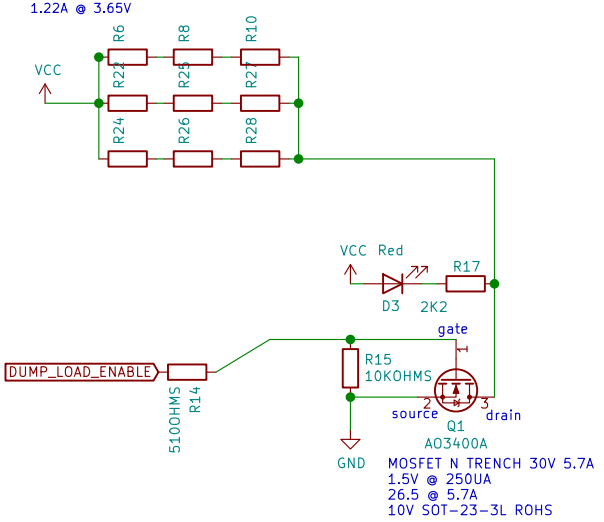
Change pin for Reference EN – its 2nd TX serial port so useful for DEBUG?

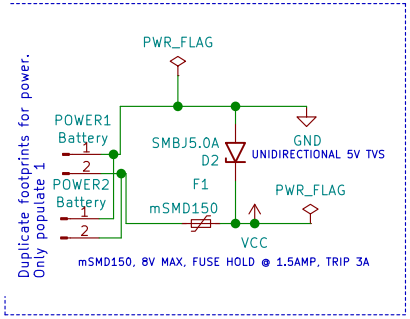


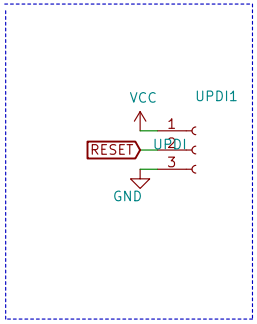
CHIP RESISTOR – SURFACE MOUNT 30HMS ±5% 3/4W 2010
3 in series with 3 in parallel gives 30hm equivalent resistance

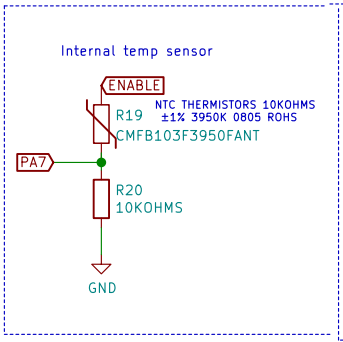
9 resistors provide 9*0.75W=6.75W of power disipation.

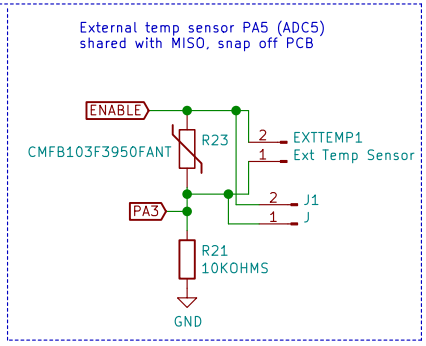
Balance current (at 3ohm):
1.4A @ 4.2V
1.22A @ 3.65V

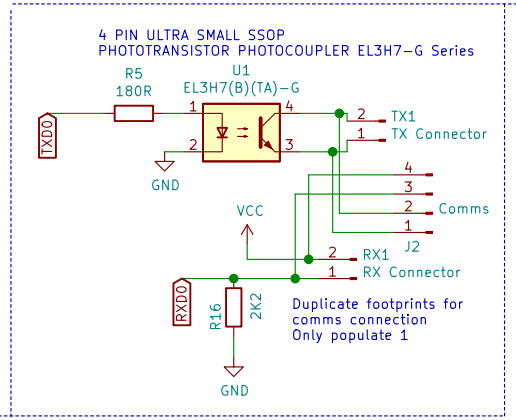


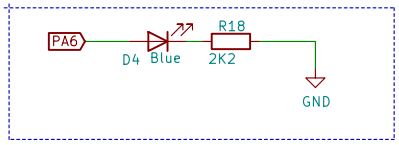












Stuart Pittaway

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Title: DIYBMS cell monitoring module

Size: A4	Date: 2021-01-31	**Rev: 4.5**
KiCad E.D.A.	eeschema 5.1.9+dfsg1-1+deb11u1	Id: 1/1