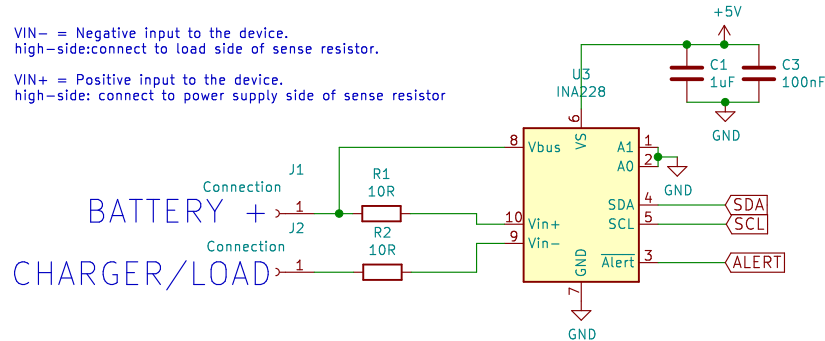


VIN- = Negative input to the device.
high-side: connect to load side of sense resistor.

VIN+ = Positive input to the device.
high-side: connect to power supply side of sense resistor



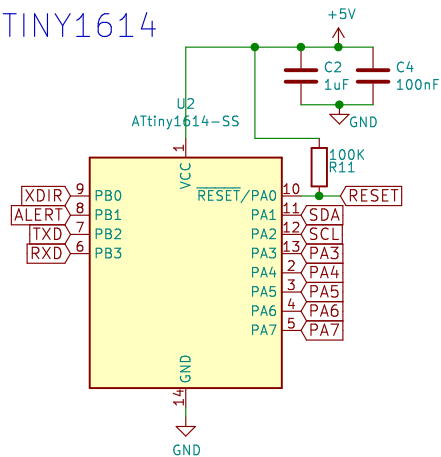
SHUNTS

<https://shunts.com/>
RIEDON SHUNTS, 50mV and 100mV output
<https://shunts.com/collections/shunts/products/mka?variant=35787073126552>

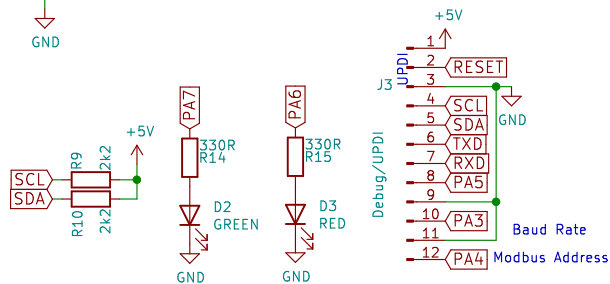
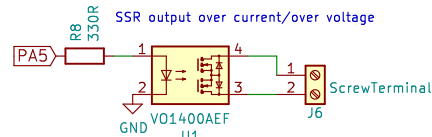
MKA-75, Operating current 50A
MKB-200, operating current 133A
MKB-300, operating current 200A
MKB-500, operating current 333A

Shunts should be placed on side, longest side horizontal
MKA, 50.8mm wide, 31.8mm high
MKB, 82.6mm wide, 44.5mm high

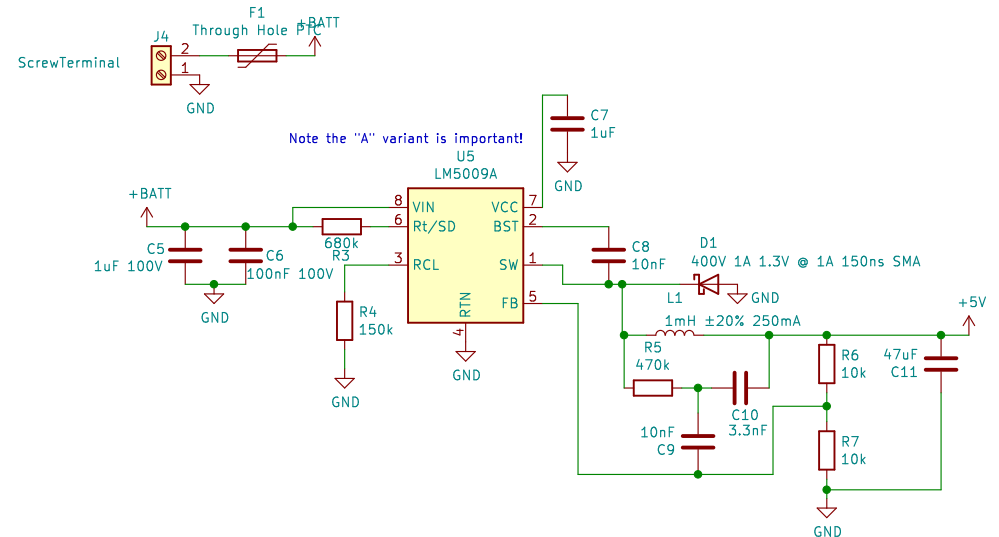
ATTINY1614



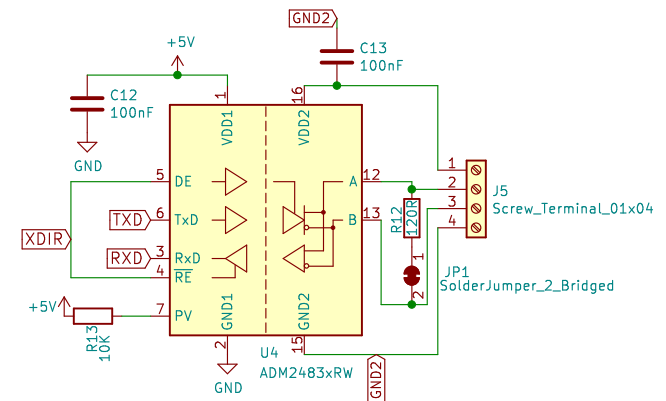
RELAY OUTPUT



Step Down Regulator (9 to 85V down to 5V)



RS485 Isolation



Stuart Pittaway

Sheet: /
File: CurrentShuntCircuit.sch

Title: DIYBMS Isolated Current Shunt

Size: A4 Date: 2021-02-22

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

Rev: 1

Id: 1/1